

**MARKETPLACE AT NEWBURGH
TOWN OF NEWBURGH, NEW YORK**

**STORM WATER MANAGEMENT
REPORT**

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ORANGE COUNTY, NEW YORK

STORM WATER MANAGEMENT REPORT

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I. SUMMARY

This report addresses stormwater impacts and mitigative measures associated with the development of the Marketplace at Newburgh project in the Town of Newburgh, Orange County, New York.

The project is located between Union Avenue to the west, Interstate 84 to the south and residential areas to the north and east.

Under existing conditions, there are no impervious areas on the 137.50 acre site. Currently, the site is undeveloped and predominantly wooded. The Quassaick Creek runs through the property in the eastern most portion of the site.

The improvements proposed for the Marketplace at Newburgh site include the development of “big-box” retail buildings, a “village center”, plaza, and associated parking areas, walkways and grassed and landscaped areas.

To mitigate the increase in peak rates of runoff as a result of developing the Marketplace property, stormwater detention facilities have been designed to reduce the developed rate of runoff to those below existing. (See Table 1)

TABLE NO. 1

**MARKETPLACE AT NEWBURGH
NEWBURGH, NEW YORK**

DESIGN FLOW SUMMARY

DESIGN POINT NO.	2-YEAR (CFS)	10-YEAR (CFS)	25-YEAR (CFS)	50-YEAR (CFS)	100-YEAR (CFS)
Dutchess County Rainfall (IN)	3.5	5.5	6.0	7.0	7.5
A Existing	66	148	192	214	237
Developed	35	96	123	139	171
Delta	-30	-52	-69	-75	-66
B Existing	0.87	2.22	2.97	3.35	3.74
Developed	0.10	0.03	0.33	0.38	0.42
Delta	-0.77	-2.20	-2.64	-2.97	-3.32
C Existing	58	138	181	203	226
Developed	41	125	158	173	187
Delta	-18	-12	-23	-31	-39
D Existing	4	13	19	22	25
Developed	8	18	24	26	29
Delta *	4	5	5	5	4

* Increase in Peak Rate of Runoff resulting from shorter Time of Concentration.

II. BACKGROUND

A. SITE LOCATION

The project site, located in the Town of Newburgh, New York totals approximately 137.50 acres. The project site is bounded by Union Avenue to the west, Interstate 84 to the south and residential areas to the north and east.

B. PURPOSE

The purpose of this report is to evaluate storm water management requirements of the proposed Marketplace at Newburgh project. This report will quantify storm water runoff and pollutant loading on the site for existing and developed conditions.

C. SITE CHARACTERISTICS AND DRAINAGE

1. Existing Conditions

The site is predominately wooded, with no on-site stormwater treatment. Stormwater runoff from the north-western quadrant of the Marketplace at Newburgh site discharges to the north passing under South Plank Road (Route 52) entering a series of ponds and the upper reaches of the Quassaick Creek, located in Algonquin Powder Mill Park, where it is transmitted to Winona Lake, and then enters the Quassaick Creek. Runoff from the southern quadrant enters a swale running eastward and parallel to Interstate 84 discharging into the Quassaick Creek. The eastern portion of the site drains eastward directly to the Quassaick Creek. Upon entering the Quassaick Creek, the stormwater travels southerly, passing under Interstate 84 via a large box culvert, traveling through Brookside Pond, Harrison Pond and Muchattoes Lake, and ultimately discharges into the Hudson River. (See DA-1 “Existing Drainage Area Map”)

Table 9 reflects the estimated stormwater pollutant loading for the existing site.

2. Developed Conditions

The Marketplace at Newburgh will be developed with the construction of several large retail buildings, a “village center”, plaza, and associated parking areas, walkways and grassed and landscaped areas. Under proposed conditions, the site will have approximately 75.0 acres of impervious area. Existing drainage areas were respected as much as possible in the placement and design of the stormwater management system including water quality basins, detention basins, catch basins, storm piping and culverts. In order to treat storm water runoff under developed conditions, the developed areas of the site are directed to water quality facilities. (See DA-2 “Proposed Drainage Area Map”)

D. FLOODING CONDITIONS

The only flooding on the site occurs in the vicinity of the Quassaick Creek. The 100 Flood Plane has been illustrated on the drawings.

III. STORM WATER QUANTITY

A. METHODOLOGY

1. Zero Increase In Watershed Peak Runoff

The peak rate of storm water discharge from the site after the completion of development shall not exceed the estimated pre-development peak discharge.

2. Storm Frequencies

The storm frequencies to be used as a basis for computing peak rate of discharge shall be storms expected once every 2, 10, 25, 50 and 100 years with a duration of 24 hours as defined by the U.S. Department of Agriculture Soil Conservation Service, and in accordance with the Town of Newburgh Code, Chapter 157: Stormwater Management, § 157-6.M(4).

3. Technical Approach

The method used for estimating peak discharge shall be as per the document released by the Engineering Division of the U.S. Department of Agriculture Soil Conservation Service titled "Urban Hydrology for Small Watersheds", Technical Release No. 55, dated June 1986, Type III Storm Distribution. This criterion governs the data that is input into the software, namely the Haestad Methods Quick TR-55 computer program. The input and output data is provided in the Technical Appendix.

4. Soil Classifications

The soil classifications and their limits were provided from mapping compiled by the U.S. Department of Agriculture Soil Conservation Service.

The U.S. Department of Agriculture Soil Conservation Service has classified soil types as follows:

Table No. 2

MAP SYMBOL	SOIL	HYDROLOGIC GROUP
BnB	Bath-Nassau shaly silt loams, 3-8% slopes	C
Ca	Canandaigua silt loam	D
FAC	Farmington silt loam, sloping	C
MdB	Mardin gravelly silt loam, 3-8% slopes	C
MdC	Mardin gravelly silt loam, 8-15% slopes	D
PtB	Pittsfield gravelly loam, 3-8% slopes	B
RKD	Rock outcrop-Arnot complex, moderately steep	D
RMD	Rock outcrop-Farmington complex, hilly	D
RSB	Rock outcrop-Nassau complex, undulating	D
UH	Udorthents, smoothed	C

* Data from "Soil Survey of Orange County, New York", Issued October 1981.

Slopes range from slightly sloping to strongly sloping.

5. Detention Requirements

Detention facilities have been provided to reduce the increased peak rates of runoff to levels below those of existing. Methodologies as set forth in Engineering Division of the U.S. Department of Agriculture Soil Conservation Service titled "Urban Hydrology for Small Watersheds", Technical Release No. 55, dated June 1986.

6. Rainfall Intensity

Frequency and intensities, which have been used in this report in accordance with the Town of Newburgh Code, Chapter 157: Stormwater Management, § 157-6.M(4), are as follows:

Table No. 3

RAINFALL INTENSITY BY STORM FREQUENCY

Storm Frequency Year	Rainfall Intensity (24-Hour Period) (Inches)
100	7.5
50	7.0
25	6.5
10	5.5
2	3.5

7. Times of Concentration and Travel Times

The times of concentration (T_c) and travel times (T_t) have been estimated to determine the time of the longest hydraulic route within the sub-watershed being analyzed. These routes include overland, shallow-concentrated and channel or pipe flows.

8. Pipe Sizing

The pipes capacity design is determined by the using the generally accepted Rational Method which is well suited for small areas and will include standard practices that take into consideration headwater, velocity, slope, area and diameter. Manning's Equation is to be used for pipes that have sufficient length and constant slopes, to establish uniform flow at normal depth without backwater or pressure head.

B. STORMWATER MANAGEMENT

1. Approach and Concept

The approach to storm water runoff rate management for the proposed project is to achieve a storm water management system design that will limit the proposed peak rate of storm water runoff to levels at or less than the existing peak rates. This shall be accomplished by providing stormwater detention facilities to reduce the peak rates of runoff for all storms.

Table Nos. 4 and 5 reflect the parameters of the existing and developed watersheds.

Stormwater detention has been provided for Drainage Areas A and C. Due to the close proximity to the Quassaic Creek, and the overall reduction in peak rates of runoff from the subject property, no detention is required for lands east of the Quassaic Creek.

Table 6 reflects the flooding characteristics of the 2 detention basins.

TABLE NO. 4

**MARKETPLACE AT NEWBURGH
NEWBURGH, NEW YORK**

EXISTING DRAINAGE CONDITIONS

WATERSHED/ SUBBASIN ID	AREA (AC)							(1) I (%)	(2) R _v	(3) CN	(4) T _c (HRS)	(4) T _t (HRS)	DESIGN POINT #
	IMPERVIOUS				PERVIOUS	POND	TOTAL AREA						
	ROOF	PKG/WALKS	STREET	IMP. TOTAL	LAWN/LSCP								
A	2.63	4.43	0.00	7.06	49.74	0.40	57.20	12.34	0.20	75.0	0.20	---	A
B	0.00	0.00	0.00	0.00	1.00		1.00	0.00	0.20	70.0	0.18	---	B
C	0.03	0.39	1.28	1.70	61.40		63.10	2.69	0.20	73.0	0.28	---	C
D	0.09	0.00	0.29	0.38	10.72		11.10	3.42	0.20	73.0	0.37	---	D
TOTAL AREA	2.75	4.82	1.57	9.14	122.86	0.40	132.40						
WGT. CN							73.84						

1. I= Percent Impervious, (Impervious Area/Total Area)*100%
2. $R_v = 0.05 + 0.009(I)$, Minimum $R_v = 0.2$
3. CN= Curve Number
4. T_c= Time of Concentration, T_t= Travel Time

TABLE NO. 5

**MARKETPLACE AT NEWBURGH
NEWBURGH, NEW YORK**

DEVELOPED DRAINAGE CONDITIONS

WATERSHED/ SUBBASIN ID	AREA (AC)							(1) I (%)	(2) R _v	(3) CN	(4) T _c (HRS)	(4) T _t (HRS)	DESIGN POINT #
	IMPERVIOUS				PERVIOUS	POND	TOTAL AREA						
	ROOF	PKG/WALKS	STREET	IMP. TOTAL	LAWN/LSCP								
AA-1	2.63	5.03	0.00	7.66	20.54	0.40	28.60	26.78	0.29	77.0	0.23	---	A
AA-2	12.91	26.53	0.00	39.44	11.56		51.00	77.33	0.75	92.0	0.27	---	A
BB	0.00	0.00	0.00	0.00	0.10		0.10	0.00	0.20	70.0	0.08	---	B
CC-1	0.00	0.00	0.00	0.00	7.30		7.30	0.00	0.20	73.0	1.00	---	C
CC-2	0.00	0.00	0.00	0.00	1.70		1.70	0.00	0.20	74.0	0.15	---	C
CC-3	2.02	6.99	0.00	9.01	1.59		10.60	85.00	0.82	94.0	0.18	---	C
CC-4	4.09	17.59	0.00	21.68	3.82		25.50	85.02	0.82	94.0	0.26	---	C
DD	0.09	0.00	0.29	0.38	7.22		7.60	5.00	0.20	73.0	0.22	---	D
TOTAL AREA	78.17				53.83	0.40	132.40						
WGT. CN							86.92						

1. I= Percent Impervious, (Impervious Area/Total Area)*100%

2. R_v = 0.05+0.009(I), Minimum R_v=0.2

3. CN= Curve Number

4. T_c= Time of Concentration, T_t= Travel Time

TABLE NO. 6

**MARKETPLACE AT NEWBURGH
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DETENTION BASIN SUMMARY

BASIN ID	BASE ELEV.	2-YEAR		10-YEAR		25-YEAR		50-YEAR		100-YEAR	
		HWE ⁽¹⁾	SV ⁽²⁾	HWE ⁽¹⁾	SV ⁽²⁾	HWE ⁽¹⁾	SV ⁽²⁾	HWE ⁽¹⁾	SV ⁽²⁾	HWE ⁽¹⁾	SV ⁽²⁾
AA-2	323.00	325.18	2.15	328.10	6.60	328.97	8.01	329.30	8.54	329.58	9.02
CC-4	243.00	246.14	0.92	247.26	1.39	247.53	1.50	247.65	1.56	247.76	1.61
TOTAL			3.07		7.99		9.51		10.10		10.63

⁽¹⁾ High Water Elevation (Feet)

⁽²⁾ Storage Volume (Acre Feet)

IV. STORMWATER QUALITY

A. STORMWATER QUALITY ANALYSIS

1. Existing Conditions

Refer to Section II.C.1. for a description of existing conditions.

2. Post-Development Conditions Without Treatment

The change in land use and increase in impervious area will result in the increase in pollutant loading. Without treatment the pollutant loads would increase for Total Phosphorus, Total Nitrogen, Metals, and Bacteria.

3. Post-Development Conditions With Treatment

The use of an extended detention pond, catch basin sumps and water quality swales is expected to reduce the pollutant loading from the treated runoff. The treatment methods will be designed in compliance with the NYDSDEC Stormwater Management Design Manual.

B. STORMWATER QUALITY MANAGEMENT MEASURES

The Stormwater Management Plan is based on the analysis of the existing and proposed stormwater conditions discussed in the previous section of this report and the design criteria of the stormwater management practices noted below. As the proposed development will involve the creation of an approximately 75.0-acre increase in on-site impervious surfaces associated with pavements and roofs, higher pollutant loadings would be expected to occur on the developed site. An outline of the varying stormwater quality management BMP's ,

both structural and non-structural, to be implemented both during construction and/or after project completion is presented below.

1. Micropool Extended Detention Pond

A micropool extended detention pond treats the required water quality volume through extended detention and incorporates a micropool at the outlet of the pond to prevent sediment resuspension. The treatment system includes a stone-lined sediment forebay, rip-rap berm, micropool, outlet control structure, and emergency overflow weir. The micropool extended detention pond will treat the 90% rainfall event through filtration and detain a portion of all storm events. The outlet structure is designed to accommodate flow from all storm events up to the 100 year frequency.

2. Catch Basin Sumps

All new catch basins will be provided with sumps to capture and collect sediment and debris prior to it entering the municipal stormwater conveyance system. Each catch basin sump will be cleaned out periodically to remove the dirt and debris as part of routine maintenance.

3. Stormwater Pollution Prevention Plan

In compliance with requirements established for the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-02-01), a Stormwater Pollution prevention Plan will be prepared and implemented. As a result, an Erosion Control Plan shall be prepared as part of the contract documents and will require that the erosion and sedimentation controls set forth thereon be implemented before the start of construction and further will be monitored and maintained during construction. Stabilization of the site shall also comply with the conditions or requirements set forth therein and further established by the Town of Newburgh.

Several temporary structural practices to be utilized to mitigate any potential impacts include, but shall not be limited to, surrounding material stockpiles with silt fencing and hay bale dams, excavated and embankment areas will be graded to permit drainage and the runoff will be intercepted in ditches with silt barriers or collected in settling basins to permit sedimentation, and stabilized construction entrances will be constructed and maintained during construction to minimize the off-site migration of sediment.

Table 7 shows the Weighted Pollutant Concentrations in the drainage areas before treatment.

Surface Extended Detention Water Quality Basins have been provided in Drainage Areas A-2 and C-4. Table 8 illustrates the computed required storage volumes and the volume provided for each basin. Drainage Area C-3 has been designed with a sub-surface infiltration system that will discharge to south, directly to the existing swale running parallel to Interstate 84.

Table 9 reflects the estimated stormwater pollutant loading for existing, pre-treatment developed and post-treatment developed. The remaining drainage areas have not been provided with water quality treatment BMPs. The increase in pollutant loading, in particular metals, in these drainage areas is a direct result of the decrease of on-site acreage contributing to the sub-basin relative to the unchanged acreage of off-site impervious areas. As the off-site impervious component becomes a larger percentage of the watershed, the amount of pollutant loading increases.

Water quality swales will be constructed to mitigate any adverse impacts from the introduction of paved surfaces on lands east of the Quassaic Creek.

TABLE NO. 7

MARKETPLACE AT NEWBURGH
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WEIGHTED POLLUTANT CONCENTRATIONS BASED ON LAND COVER CONDITIONS

WATERSHED/ SUBBASIN ID	AREA BY LAND COVER						TSS WGT. C ¹ (mg/l)	TP WGT. C ¹ (mg/l)	TN WGT. C ¹ (mg/l)	METALS WGT. C ¹ (mg/l)	BACTERIA WGT. C ² (1000 col/ml)
	ROOF (ac)	PKG/WALKS (ac)	DRIVEWAY (ac)	STREET (ac)	LAWN/LSCP (ac)	TOTAL AREA (ac)					

EXISTING ON-SITE LAND COVER CONDITIONS

A	2.63	4.43	0.00	0.00	49.74	56.80	530	1.9	8.2	0.0	21.5
B	0.00	0.00	0.00	0.00	1.00	1.00	602	2.1	9.1	0.0	24.0
C	0.03	0.39	0.00	1.28	61.40	63.10	589	2.1	8.9	0.0	24.1
D	0.09	0.00	0.00	0.29	10.72	11.10	586	2.0	8.8	0.0	24.1
Total or Wgt. Ave.						132.00	563.5	2.0	8.6	0.0	23.0

DEVELOPED ON-SITE LAND COVER CONDITIONS

AA-1	2.63	5.03	0.00	0.00	20.54	28.20	445	1.6	7.1	0.1	18.5
AA-2	12.91	26.53	0.00	0.00	11.56	51.00	155	0.6	3.4	0.1	8.5
BB	0.00	0.00	0.00	0.00	0.10	0.10	602	2.1	9.1	0.0	24.0
CC-1	0.00	0.00	0.00	0.00	7.30	7.30	602	2.1	9.1	0.0	24.0
CC-2	0.00	0.00	0.00	0.00	1.70	1.70	602	2.1	9.1	0.0	24.0
CC-3	2.02	6.99	0.00	0.00	1.59	10.60	110	0.4	2.9	0.1	7.5
CC-4	4.09	17.59	0.00	0.00	3.82	25.50	112	0.4	2.9	0.1	7.6
DD	0.09	0.00	0.00	0.29	7.22	7.60	579	2.0	8.7	0.0	24.2
Total or Wgt. Ave.						132.00	260	0.9	4.8	0.1	12.4

NYSDEC POLLUTANT CONCENTRATIONS FROM SOURCE AREAS							
AREA	TSS ³ mg/l	TP ⁴ mg/l	TN ⁵ mg/l	Metals ⁶			Bacteria 1000col/ml
				Copper mg/l	Zinc mg/l	AVERAGE mg/l	
Residential Roof	19	0.11	1.5	0.02	0.31	0.17	0.3
Commercial Roof	9	0.14	2.1	0.01	0.26	0.13	1.1
C/R Parking / Walks	27	0.15	1.9	0.05	0.14	0.10	5.8
Residential Street	172	0.55	1.4	0.03	0.17	0.10	37.0
Lawns	602	2.10	9.1	0.02	0.05	0.03	24.0
Driveways	173	0.56	2.1	0.02	0.11	0.06	17.0

1. The Simple Method for CHEMICAL CONSTITUENTS, L = 0.226*R*C*A, Appendix A, New York State Stormwater Management Design Manual, October 2001, page A-1.

2. The Simple Method for BACTERIA, L = 103*R*C*A, Appendix A, New York State Stormwater Management Design Manual, October 2001, page A-1.

3. TSS = Total Suspended Solids

4. TP = Total Phosphorous

5. TN = Total Nitrogen

6. Metals = The Average of Copper and Zinc as representative indicators.

TABLE NO. 8

**MARKETPLACE AT NEWBURGH
NEWBURGH, NEW YORK**

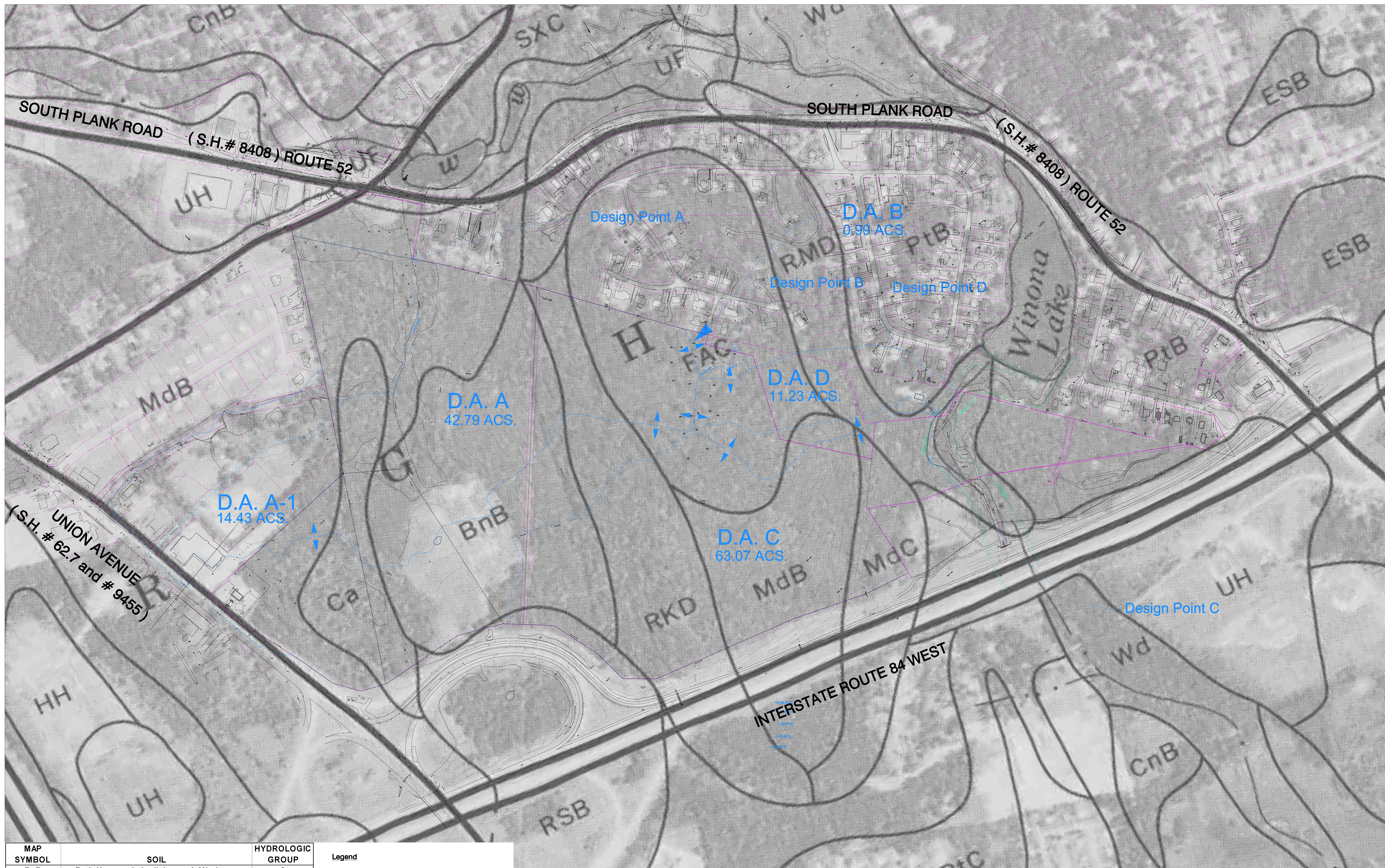
WATER QUALITY BASIN VOLUME

BASIN ID	AREA		I (%)	R _v	P (in)	REQUIRED VOLUME (CFT)	VOLUME PROVIDED (CFT)
	IMP (AC)	TOTAL (AC)					
AA-1	7.66	28.60	26.78	0.29	1.1	33,238	0 *
AA-2	39.44	51.00	77.33	0.75	1.1	151,918	185,575
BB	0.00	0.10	0.00	0.20	1.1	80	0 *
CC-1	0.00	7.30	0.00	0.20	1.1	5,830	0 *
CC-2	0.00	1.70	0.00	0.20	1.1	1,358	0 *
CC-3	9.01	10.60	85.00	0.82	1.1	34,496	35,000
CC-4	21.68	25.50	85.02	0.82	1.1	83,002	100,039
DD	0.38	7.60	5.00	0.20	1.1	6,069	0 *

NOTES

1. Design per New York State Stormwater Management Design Manual, October 2001, Chapter 4.
2. New York Stormwater Sizing Criteria : 90% RULE
3. Water Quality Volume, $WQ_v = [(P)(R_v)(A)]/12$
4. $R_v = 0.05 + 0.009(I)$, Minimum $R_v = 0.2$
5. I= Impervious Cover (%)
6. P= 90% Rainfall Event Number
7. P= 1.1 in. (See Figure 4.1, New York State Stormwater Management Design Manual, October 2001, page 4-2)

* Impervious areas exist off-site only. No treatment provided.



MAP SYMBOL	SOIL	HYDROLOGIC GROUP
BnB	Bath-Nassau shaly silt loams, 3-8% slopes	C
Ca	Canandaigua silt loam	D
FaC	Farmington silt loam, sloping	C
MdB	Mardin gravelly silt loam, 3-8% slopes	C
MdC	Mardin gravelly silt loam, 8-15% slopes	D
PtB	Pittsfield gravelly loam, 3-8% slopes	B
RKD	Rock outcrop-Arnot complex, moderately steep	D
RMD	Rock outcrop-Farmington complex, hilly	D
RSB	Rock outcrop-Nassau complex, undulating	D
UH	Udorthents, smoothed	C

Legend	
	Property Line
	Drainage Divide (D.A.)
	D.A. Designation
	D.A. Area
	Time of Concentration

* Data from "Soil Survey of Orange County, New York", Issued October 1981.

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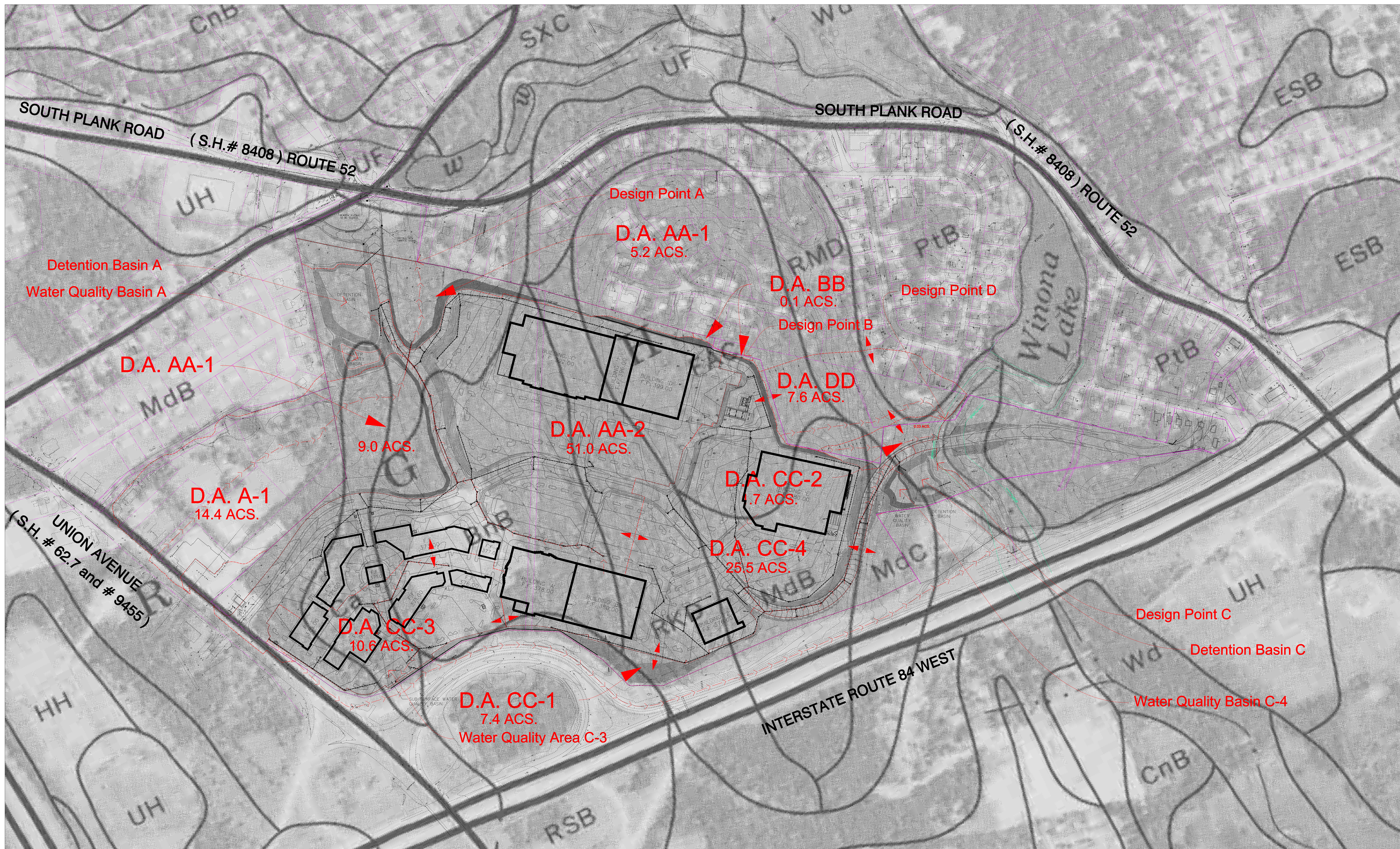
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REVISIONS NO. DATE ISSUE 	PROJECT: THE MARKETPLACE AT NEWBURGH Newburgh, New York Applicant: WILDER BALTER PARTNERS, INC. 570 Taxter Road, Sixth Floor Elmsford, NY 10523 DRAWING TITLE: EXISTING DRAINAGE CONDITIONS MAP
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DIVNEY • TUNG • SCHWALBE Diviney Tung Schwabe, LLP One North Broadway White Plains, NY 10601 914 428 0010 914 428 0017 FAX	Planning Engineering Landscape Architecture Environmental Services Project Management	DESIGNED BY: RW DRAWN BY: RW PROJECT NO: 622 DATE: 09/23/05 DRAWING NO: DA-1
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MAP SYMBOL	SOIL	HYDROLOGIC GROUP
BnB	Bath-Nassau shaly silt loams, 3-8% slopes	C
Ca	Canandaigua silt loam	D
FAC	Farmington silt loam, sloping	C
MdB	Mardin gravelly silt loam, 3-8% slopes	C
MdC	Mardin gravelly silt loam, 8-15% slopes	D
PtB	Pittsfield gravelly loam, 3-8% slopes	B
RKD	Rock outcrop-Arnot complex, moderately steep	D
RMD	Rock outcrop-Farmington complex, hilly	D
RSB	Rock outcrop-Nassau complex, undulating	D
UH	Udorthents, smoothed	C

Legend	
	Property Line
	Drainage Divide (D.A.)
	D.A. Designation
	D.A. Area
	Time of Concentration
D.A. A	42.79 ACS.

* Data from "Soil Survey of Orange County, New York", Issued October 1981.

LAND USE ATTORNEY JACOBOWITZ & GUBITS, LLP 158 Orange Avenue Walden, New York 12586 (845) 778-2121	LEGAL COUNSEL CUDDY & FEDER, LLP 90 Maple Avenue White Plains, New York 10601 (914) 761-1300	TRAFFIC JOHN COLLINS ENGINEERS, P.C. 11 Bradhurst Avenue Hawthorne, New York 10532 (914) 347-7500	ARCHITECTURE ADD, INC. 210 Broadway Cambridge, MA 02139 (617) 234-3100	ARCHITECTURE MSA COLLABORATIVE 23 Nepperhan Avenue Elmsford, New York 10523 (914) 435-1333	SURVEYING AND WETLANDS THE CHAZEN COMPANIES 356 Meadow Avenue Newburgh, New York 12550 (845) 567-1133	ENVIRONMENTAL TIM MILLER ASSOCIATES 10 North Street Cold Spring, New York 10516 (845) 265-4400	OWNER WB INTERCHANGE ASSOCIATES, LLC c/o Wilder Balter Partners, Inc. 570 Taxter Road Elmsford, New York 10523
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REVISIONS NO. DATE ISSUE 	PROJECT: THE MARKETPLACE AT NEWBURGH Newburgh, New York Applicant: WILDER BALTER PARTNERS, INC. 570 Taxter Road, Sixth Floor Elmsford, NY 10523 DRAWING TITLE: PROPOSED DRAINAGE CONDITIONS MAP
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DIVINE • TUNG • SCHWALBE Divine Tung Schwabe, LLP One North Broadway White Plains, NY 10601 914 428 0010 914 428 0017 FAX	Planning Engineering Landscape Architecture Environmental Services Project Management	DESIGNED BY: RW DRAWN BY: RW PROJECT NO.: 622 DATE: 09/23/05 DRAWING NO.: DA-2
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V. TECHNICAL APPENDIX

**V.A. Existing
Conditions**

**V.B. Developed
Conditions**

**MARKETPLACE AT NEWBURGH
TOWN OF NEWBURGH, NEW YORK**

**STORM WATER MANAGEMENT
REPORT APPENDIX**

Prepared For:

**Wilder Balter Partners, LLC
Elmsford, New York**

Prepared By:

**Divney Tung Schwalbe, LLP
One North Broadway, Suite 1407
White Plains, New York 10601**

September 2005

V. TECHNICAL APPENDIX

**V.A. Existing
Conditions**

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.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .0110
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .020000 ft/ft

Avg.Velocity 1.44 ft/sec

Segment #1 Time: .0193 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 1363.00 ft
Slope .020000 ft/ft
Paved

Avg.Velocity 2.87 ft/sec

Segment #2 Time: .1317 hrs

Segment #3: Tc: User Defined

Segment #3 Time: .0500 hrs

=====
Total Tc: .2010 hrs
=====

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. A

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	75	57.200			75.00

COMPOSITE AREA & WEIGHTED CN ---> 57.200 75.00 (75)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. A 2
 Tc = .2010 hrs
 Drainage Area = 57.200 acres Runoff CN= 75
 Calc.Increment= .02680 hrs Out.Incr.= .0250 hrs
 HYG Volume = 270266 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
10.0750	.00	.00	.01	.02	.03
10.2000	.05	.06	.09	.11	.14
10.3250	.17	.20	.23	.26	.29
10.4500	.33	.36	.40	.44	.47
10.5750	.51	.55	.59	.64	.68
10.7000	.72	.77	.81	.86	.91
10.8250	.96	1.00	1.05	1.11	1.16
10.9500	1.21	1.26	1.32	1.38	1.44
11.0750	1.50	1.57	1.64	1.72	1.81
11.2000	1.91	2.01	2.12	2.23	2.35
11.3250	2.48	2.61	2.75	2.89	3.04
11.4500	3.19	3.34	3.51	3.69	3.93
11.5750	4.25	4.65	5.13	5.73	6.47
11.7000	7.35	8.35	9.47	10.73	12.11
11.8250	13.60	15.19	16.95	18.83	21.14
11.9500	24.26	28.72	34.37	40.63	47.01
12.0750	53.13	58.53	62.69	65.14	65.50
12.2000	63.86	60.84	57.17	53.30	49.75
12.3250	46.72	44.00	41.38	38.85	36.44
12.4500	34.08	31.69	29.30	27.01	24.84
12.5750	22.77	20.85	19.16	17.72	16.50
12.7000	15.51	14.73	14.10	13.56	13.10
12.8250	12.70	12.34	12.01	11.70	11.40
12.9500	11.13	10.85	10.57	10.31	10.07
13.0750	9.84	9.62	9.43	9.26	9.11
13.2000	8.98	8.87	8.77	8.68	8.60
13.3250	8.53	8.45	8.38	8.32	8.25
13.4500	8.19	8.12	8.05	7.99	7.92
13.5750	7.86	7.79	7.73	7.66	7.59
13.7000	7.53	7.46	7.40	7.33	7.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.8250	7.19	7.13	7.06	6.99	6.92
13.9500	6.85	6.78	6.71	6.64	6.58
14.0750	6.51	6.45	6.40	6.34	6.29
14.2000	6.25	6.21	6.17	6.13	6.10
14.3250	6.06	6.03	6.00	5.96	5.93
14.4500	5.90	5.86	5.83	5.80	5.77
14.5750	5.73	5.70	5.67	5.63	5.60
14.7000	5.57	5.53	5.50	5.47	5.43
14.8250	5.40	5.37	5.33	5.30	5.26
14.9500	5.23	5.20	5.16	5.13	5.09
15.0750	5.06	5.02	4.99	4.95	4.92
15.2000	4.88	4.85	4.82	4.78	4.74
15.3250	4.71	4.67	4.64	4.60	4.57
15.4500	4.53	4.50	4.46	4.42	4.39
15.5750	4.35	4.32	4.28	4.25	4.21
15.7000	4.17	4.14	4.10	4.06	4.03
15.8250	3.99	3.95	3.92	3.88	3.84
15.9500	3.81	3.77	3.73	3.70	3.66
16.0750	3.63	3.60	3.57	3.54	3.52
16.2000	3.49	3.47	3.45	3.43	3.41
16.3250	3.40	3.38	3.37	3.35	3.33
16.4500	3.31	3.30	3.28	3.27	3.25
16.5750	3.24	3.22	3.20	3.19	3.17
16.7000	3.16	3.14	3.13	3.11	3.09
16.8250	3.08	3.06	3.04	3.03	3.01
16.9500	3.00	2.98	2.97	2.95	2.93
17.0750	2.92	2.90	2.89	2.87	2.85
17.2000	2.84	2.82	2.80	2.79	2.77
17.3250	2.76	2.74	2.72	2.71	2.69
17.4500	2.67	2.66	2.64	2.63	2.61
17.5750	2.59	2.58	2.56	2.54	2.52
17.7000	2.51	2.49	2.48	2.46	2.44
17.8250	2.43	2.41	2.39	2.38	2.36
17.9500	2.35	2.33	2.31	2.29	2.28
18.0750	2.26	2.25	2.23	2.22	2.21
18.2000	2.21	2.20	2.19	2.19	2.18
18.3250	2.17	2.17	2.16	2.16	2.15
18.4500	2.15	2.15	2.14	2.14	2.13
18.5750	2.13	2.12	2.12	2.11	2.11
18.7000	2.10	2.10	2.09	2.09	2.08
18.8250	2.08	2.07	2.07	2.06	2.06
18.9500	2.05	2.05	2.04	2.04	2.04
19.0750	2.03	2.03	2.02	2.02	2.01
19.2000	2.01	2.00	2.00	1.99	1.99
19.3250	1.98	1.98	1.97	1.97	1.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.4500	1.96	1.95	1.95	1.94	1.94
19.5750	1.93	1.93	1.92	1.92	1.91
19.7000	1.91	1.90	1.90	1.89	1.89
19.8250	1.88	1.88	1.88	1.87	1.86
19.9500	1.86	1.85	1.85	1.85	1.84
20.0750	1.84	1.83	1.83	1.82	1.82
20.2000	1.81	1.81	1.81	1.81	1.80
20.3250	1.80	1.79	1.79	1.78	1.78
20.4500	1.78	1.77	1.77	1.77	1.76
20.5750	1.76	1.76	1.75	1.75	1.74
20.7000	1.74	1.73	1.73	1.73	1.72
20.8250	1.72	1.72	1.71	1.71	1.71
20.9500	1.70	1.70	1.70	1.69	1.69
21.0750	1.69	1.68	1.68	1.67	1.67
21.2000	1.67	1.66	1.66	1.65	1.65
21.3250	1.65	1.64	1.64	1.64	1.63
21.4500	1.63	1.62	1.62	1.61	1.61
21.5750	1.61	1.60	1.60	1.60	1.60
21.7000	1.59	1.59	1.58	1.58	1.58
21.8250	1.57	1.57	1.57	1.56	1.56
21.9500	1.56	1.55	1.55	1.54	1.54
22.0750	1.53	1.53	1.53	1.52	1.52
22.2000	1.52	1.51	1.51	1.50	1.50
22.3250	1.49	1.49	1.49	1.48	1.48
22.4500	1.48	1.47	1.47	1.47	1.46
22.5750	1.46	1.46	1.45	1.45	1.45
22.7000	1.44	1.44	1.43	1.43	1.42
22.8250	1.42	1.42	1.41	1.41	1.41
22.9500	1.40	1.40	1.39	1.39	1.39
23.0750	1.38	1.38	1.37	1.37	1.36
23.2000	1.36	1.36	1.36	1.35	1.35
23.3250	1.34	1.34	1.34	1.33	1.33
23.4500	1.33	1.32	1.32	1.32	1.31
23.5750	1.31	1.30	1.30	1.29	1.29
23.7000	1.29	1.28	1.28	1.27	1.27
23.8250	1.27	1.26	1.26	1.25	1.25
23.9500	1.24	1.24	1.23	1.21	1.15
24.0750	1.05	.91	.74	.58	.43
24.2000	.32	.23	.17	.13	.09
24.3250	.07	.05	.04	.03	.02
24.4500	.01	.01	.01	.00	.00
24.5750	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. A 10
 Tc = .2010 hrs
 Drainage Area = 57.200 acres Runoff CN= 75
 Calc.Increment= .02680 hrs Out.Incr.= .0250 hrs
 HYG Volume = 593867 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.3000	.00	.00	.01	.01	.02
8.4250	.03	.05	.07	.09	.11
8.5500	.13	.15	.18	.20	.23
8.6750	.26	.29	.31	.34	.37
8.8000	.40	.44	.47	.50	.53
8.9250	.57	.60	.64	.67	.71
9.0500	.74	.78	.82	.86	.90
9.1750	.94	.98	1.02	1.06	1.10
9.3000	1.14	1.19	1.23	1.28	1.32
9.4250	1.37	1.41	1.46	1.51	1.56
9.5500	1.60	1.65	1.70	1.75	1.81
9.6750	1.86	1.91	1.96	2.02	2.07
9.8000	2.12	2.18	2.24	2.29	2.35
9.9250	2.41	2.46	2.52	2.58	2.64
10.0500	2.70	2.77	2.84	2.90	2.98
10.1750	3.05	3.13	3.21	3.29	3.38
10.3000	3.47	3.56	3.65	3.74	3.84
10.4250	3.93	4.03	4.13	4.23	4.33
10.5500	4.44	4.54	4.65	4.76	4.87
10.6750	4.98	5.09	5.21	5.32	5.44
10.8000	5.56	5.68	5.80	5.92	6.05
10.9250	6.17	6.30	6.43	6.56	6.69
11.0500	6.84	7.00	7.18	7.38	7.59
11.1750	7.84	8.11	8.40	8.70	9.02
11.3000	9.36	9.71	10.06	10.42	10.80
11.4250	11.18	11.57	11.97	12.39	12.87
11.5500	13.50	14.38	15.48	16.83	18.49
11.6750	20.55	22.97	25.65	28.60	31.85
11.8000	35.35	38.99	42.81	46.93	51.25
11.9250	56.48	63.51	73.58	86.19	99.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
12.0500	113.46	126.03	136.59	144.11	147.73
12.1750	146.81	141.66	133.70	124.55	115.19
12.3000	106.72	99.50	93.11	87.05	81.28
12.4250	75.86	70.63	65.42	60.27	55.39
12.5500	50.78	46.42	42.39	38.87	35.87
12.6750	33.34	31.28	29.65	28.33	27.22
12.8000	26.26	25.43	24.68	23.99	23.34
12.9250	22.73	22.15	21.58	21.02	20.48
13.0500	19.99	19.51	19.07	18.67	18.32
13.1750	18.01	17.74	17.51	17.31	17.13
13.3000	16.95	16.79	16.64	16.50	16.35
13.4250	16.21	16.08	15.94	15.80	15.66
13.5500	15.53	15.39	15.25	15.12	14.98
13.6750	14.85	14.71	14.57	14.44	14.30
13.8000	14.16	14.02	13.89	13.75	13.60
13.9250	13.46	13.33	13.18	13.04	12.91
14.0500	12.77	12.64	12.52	12.40	12.30
14.1750	12.20	12.11	12.02	11.95	11.87
14.3000	11.80	11.72	11.66	11.59	11.52
14.4250	11.45	11.39	11.32	11.25	11.18
14.5500	11.12	11.05	10.98	10.92	10.85
14.6750	10.78	10.71	10.64	10.58	10.51
14.8000	10.44	10.38	10.31	10.24	10.17
14.9250	10.10	10.04	9.97	9.90	9.83
15.0500	9.76	9.69	9.62	9.55	9.48
15.1750	9.41	9.35	9.28	9.21	9.14
15.3000	9.07	9.00	8.93	8.86	8.79
15.4250	8.72	8.65	8.58	8.51	8.44
15.5500	8.37	8.30	8.23	8.16	8.09
15.6750	8.02	7.95	7.88	7.80	7.73
15.8000	7.66	7.59	7.52	7.45	7.38
15.9250	7.31	7.24	7.16	7.09	7.02
16.0500	6.96	6.90	6.83	6.78	6.72
16.1750	6.67	6.63	6.58	6.55	6.51
16.3000	6.47	6.44	6.41	6.38	6.35
16.4250	6.31	6.28	6.25	6.22	6.19
16.5500	6.16	6.13	6.10	6.07	6.03
16.6750	6.00	5.97	5.94	5.91	5.88
16.8000	5.85	5.82	5.79	5.76	5.72
16.9250	5.70	5.67	5.63	5.60	5.57
17.0500	5.54	5.51	5.48	5.45	5.42
17.1750	5.39	5.35	5.32	5.29	5.26
17.3000	5.23	5.20	5.17	5.14	5.10
17.4250	5.07	5.04	5.01	4.98	4.95
17.5500	4.92	4.88	4.85	4.82	4.79

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
17.6750	4.75	4.72	4.69	4.66	4.63
17.8000	4.60	4.57	4.53	4.50	4.47
17.9250	4.44	4.41	4.38	4.35	4.31
18.0500	4.28	4.25	4.22	4.20	4.18
18.1750	4.16	4.14	4.13	4.12	4.11
18.3000	4.10	4.08	4.07	4.06	4.05
18.4250	4.05	4.04	4.03	4.02	4.01
18.5500	4.00	3.99	3.98	3.97	3.96
18.6750	3.95	3.94	3.93	3.92	3.91
18.8000	3.90	3.90	3.89	3.88	3.87
18.9250	3.86	3.85	3.84	3.83	3.82
19.0500	3.81	3.80	3.79	3.78	3.77
19.1750	3.76	3.76	3.75	3.74	3.73
19.3000	3.72	3.71	3.70	3.69	3.68
19.4250	3.67	3.66	3.65	3.64	3.63
19.5500	3.62	3.61	3.61	3.60	3.59
19.6750	3.58	3.57	3.56	3.55	3.54
19.8000	3.53	3.52	3.51	3.50	3.49
19.9250	3.48	3.47	3.46	3.46	3.45
20.0500	3.44	3.43	3.42	3.41	3.40
20.1750	3.39	3.39	3.38	3.38	3.37
20.3000	3.36	3.35	3.34	3.34	3.33
20.4250	3.32	3.31	3.31	3.30	3.29
20.5500	3.29	3.28	3.27	3.27	3.26
20.6750	3.25	3.24	3.23	3.22	3.22
20.8000	3.21	3.21	3.20	3.19	3.19
20.9250	3.18	3.17	3.16	3.16	3.15
21.0500	3.15	3.14	3.14	3.13	3.12
21.1750	3.11	3.10	3.09	3.09	3.08
21.3000	3.07	3.07	3.06	3.05	3.05
21.4250	3.04	3.03	3.02	3.01	3.00
21.5500	3.00	2.99	2.98	2.98	2.97
21.6750	2.97	2.96	2.95	2.94	2.94
21.8000	2.93	2.93	2.92	2.91	2.91
21.9250	2.90	2.89	2.88	2.87	2.87
22.0500	2.86	2.85	2.84	2.84	2.83
22.1750	2.82	2.82	2.81	2.80	2.79
22.3000	2.78	2.77	2.77	2.76	2.75
22.4250	2.75	2.74	2.74	2.73	2.72
22.5500	2.71	2.71	2.70	2.70	2.69
22.6750	2.68	2.68	2.67	2.66	2.65
22.8000	2.64	2.63	2.63	2.62	2.61
22.9250	2.61	2.60	2.59	2.59	2.58
23.0500	2.57	2.56	2.55	2.54	2.54
23.1750	2.53	2.52	2.52	2.51	2.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	-----				
23.3000	2.50	2.49	2.48	2.47	2.47
23.4250	2.46	2.46	2.45	2.45	2.44
23.5500	2.43	2.42	2.41	2.40	2.40
23.6750	2.39	2.38	2.37	2.37	2.36
23.8000	2.35	2.35	2.34	2.33	2.32
23.9250	2.31	2.30	2.30	2.28	2.24
24.0500	2.14	1.95	1.68	1.37	1.07
24.1750	.80	.58	.43	.32	.23
24.3000	.17	.13	.09	.07	.05
24.4250	.04	.03	.02	.01	.01
24.5500	.01	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. A 25
 Tc = .2010 hrs
 Drainage Area = 57.200 acres Runoff CN= 75
 Calc.Increment= .02680 hrs Out.Incr.= .0250 hrs
 HYG Volume = 770659 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.5750	.00	.00	.00	.01	.02
7.7000	.03	.04	.06	.08	.09
7.8250	.11	.13	.16	.18	.20
7.9500	.22	.24	.27	.29	.32
8.0750	.34	.36	.39	.42	.44
8.2000	.47	.50	.53	.56	.59
8.3250	.62	.66	.69	.73	.76
8.4500	.79	.83	.87	.91	.94
8.5750	.98	1.02	1.06	1.10	1.15
8.7000	1.19	1.23	1.28	1.32	1.37
8.8250	1.41	1.46	1.51	1.56	1.61
8.9500	1.66	1.71	1.76	1.81	1.86
9.0750	1.92	1.97	2.03	2.08	2.14
9.2000	2.20	2.25	2.31	2.37	2.43
9.3250	2.49	2.55	2.62	2.68	2.74
9.4500	2.81	2.87	2.94	3.01	3.07
9.5750	3.14	3.21	3.28	3.35	3.42
9.7000	3.49	3.56	3.64	3.71	3.78
9.8250	3.86	3.93	4.01	4.09	4.16
9.9500	4.24	4.32	4.40	4.48	4.56
10.0750	4.65	4.74	4.83	4.93	5.04
10.2000	5.14	5.26	5.37	5.49	5.61
10.3250	5.73	5.86	5.99	6.12	6.25
10.4500	6.38	6.52	6.66	6.79	6.93
10.5750	7.08	7.22	7.37	7.51	7.66
10.7000	7.81	7.97	8.12	8.27	8.43
10.8250	8.59	8.75	8.91	9.08	9.24
10.9500	9.41	9.58	9.75	9.93	10.12
11.0750	10.34	10.58	10.85	11.14	11.47
11.2000	11.84	12.23	12.64	13.08	13.54

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
11.3250	14.01	14.49	14.98	15.49	16.00
11.4500	16.52	17.05	17.61	18.25	19.10
11.5750	20.29	21.80	23.64	25.90	28.70
11.7000	31.97	35.59	39.56	43.91	48.57
11.8250	53.39	58.42	63.80	69.43	76.22
11.9500	85.32	98.36	114.66	132.29	149.59
12.0750	165.48	178.63	187.77	191.84	190.08
12.2000	182.92	172.23	160.09	147.74	136.61
12.3250	127.13	118.77	110.86	103.37	96.34
12.4500	89.60	82.90	76.31	70.06	64.18
12.5750	58.63	53.50	49.03	45.21	42.01
12.7000	39.39	37.32	35.65	34.23	33.02
12.8250	31.96	31.01	30.13	29.31	28.54
12.9500	27.81	27.08	26.36	25.69	25.06
13.0750	24.46	23.90	23.39	22.95	22.56
13.2000	22.22	21.93	21.67	21.44	21.22
13.3250	21.02	20.82	20.64	20.45	20.27
13.4500	20.10	19.92	19.75	19.57	19.40
13.5750	19.23	19.05	18.88	18.71	18.54
13.7000	18.36	18.19	18.02	17.85	17.67
13.8250	17.50	17.33	17.15	16.97	16.79
13.9500	16.62	16.44	16.26	16.09	15.92
14.0750	15.76	15.60	15.46	15.32	15.20
14.2000	15.08	14.98	14.88	14.78	14.69
14.3250	14.60	14.51	14.42	14.34	14.25
14.4500	14.17	14.09	14.00	13.92	13.83
14.5750	13.75	13.66	13.58	13.49	13.41
14.7000	13.32	13.24	13.15	13.07	12.98
14.8250	12.90	12.81	12.73	12.64	12.55
14.9500	12.47	12.38	12.30	12.21	12.13
15.0750	12.04	11.95	11.86	11.78	11.69
15.2000	11.60	11.52	11.44	11.35	11.26
15.3250	11.17	11.08	11.00	10.91	10.82
15.4500	10.74	10.65	10.56	10.47	10.38
15.5750	10.29	10.21	10.12	10.04	9.95
15.7000	9.86	9.77	9.68	9.59	9.50
15.8250	9.41	9.33	9.24	9.15	9.06
15.9500	8.97	8.88	8.79	8.70	8.62
16.0750	8.54	8.47	8.40	8.33	8.27
16.2000	8.21	8.16	8.11	8.06	8.02
16.3250	7.98	7.94	7.90	7.86	7.82
16.4500	7.78	7.74	7.70	7.66	7.63
16.5750	7.59	7.55	7.51	7.47	7.43
16.7000	7.39	7.36	7.32	7.28	7.24
16.8250	7.20	7.16	7.12	7.08	7.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
16.9500	7.01	6.97	6.93	6.89	6.85
17.0750	6.81	6.78	6.74	6.70	6.66
17.2000	6.62	6.58	6.54	6.50	6.46
17.3250	6.43	6.39	6.35	6.31	6.27
17.4500	6.23	6.19	6.15	6.12	6.08
17.5750	6.04	6.00	5.96	5.92	5.88
17.7000	5.84	5.80	5.76	5.73	5.68
17.8250	5.64	5.60	5.56	5.53	5.49
17.9500	5.45	5.41	5.37	5.33	5.29
18.0750	5.25	5.22	5.19	5.16	5.14
18.2000	5.12	5.10	5.09	5.07	5.06
18.3250	5.05	5.03	5.02	5.01	5.00
18.4500	4.99	4.97	4.96	4.95	4.94
18.5750	4.93	4.91	4.90	4.89	4.88
18.7000	4.87	4.86	4.84	4.83	4.82
18.8250	4.81	4.80	4.79	4.78	4.76
18.9500	4.75	4.74	4.73	4.72	4.71
19.0750	4.70	4.68	4.67	4.66	4.65
19.2000	4.64	4.63	4.61	4.60	4.59
19.3250	4.58	4.57	4.55	4.54	4.53
19.4500	4.52	4.51	4.50	4.48	4.47
19.5750	4.46	4.45	4.44	4.43	4.42
19.7000	4.40	4.39	4.38	4.37	4.36
19.8250	4.35	4.33	4.32	4.31	4.30
19.9500	4.29	4.27	4.26	4.25	4.24
20.0750	4.23	4.22	4.20	4.19	4.18
20.2000	4.18	4.17	4.16	4.16	4.15
20.3250	4.14	4.13	4.11	4.10	4.09
20.4500	4.09	4.08	4.07	4.06	4.05
20.5750	4.04	4.04	4.03	4.02	4.01
20.7000	4.00	3.98	3.97	3.96	3.96
20.8250	3.95	3.95	3.94	3.93	3.92
20.9500	3.91	3.90	3.89	3.89	3.88
21.0750	3.87	3.86	3.85	3.84	3.83
21.2000	3.82	3.81	3.80	3.80	3.79
21.3250	3.78	3.77	3.76	3.75	3.75
21.4500	3.74	3.73	3.71	3.70	3.69
21.5750	3.68	3.68	3.67	3.66	3.65
21.7000	3.65	3.64	3.63	3.62	3.61
21.8250	3.60	3.60	3.59	3.58	3.57
21.9500	3.56	3.55	3.54	3.53	3.52
22.0750	3.51	3.50	3.49	3.49	3.48
22.2000	3.47	3.46	3.45	3.44	3.43
22.3250	3.42	3.41	3.40	3.39	3.38
22.4500	3.38	3.37	3.36	3.35	3.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
22.5750	3.33	3.33	3.32	3.31	3.31
22.7000	3.30	3.29	3.28	3.26	3.25
22.8250	3.24	3.24	3.23	3.22	3.21
22.9500	3.20	3.19	3.18	3.18	3.17
23.0750	3.16	3.14	3.13	3.12	3.11
23.2000	3.10	3.10	3.09	3.08	3.07
23.3250	3.06	3.05	3.05	3.04	3.03
23.4500	3.03	3.02	3.01	3.00	2.99
23.5750	2.98	2.97	2.96	2.95	2.94
23.7000	2.93	2.92	2.91	2.91	2.90
23.8250	2.89	2.88	2.87	2.86	2.84
23.9500	2.83	2.82	2.81	2.75	2.63
24.0750	2.40	2.07	1.69	1.31	.98
24.2000	.72	.53	.39	.29	.21
24.3250	.16	.11	.08	.06	.04
24.4500	.03	.02	.02	.01	.01
24.5750	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. A 50
 Tc = .2010 hrs
 Drainage Area = 57.200 acres Runoff CN= 75
 Calc.Increment= .02680 hrs Out.Incr.= .0250 hrs
 HYG Volume = 861445 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.2500	.00	.00	.00	.01	.02
7.3750	.03	.04	.06	.07	.09
7.5000	.11	.13	.15	.17	.20
7.6250	.22	.24	.27	.29	.32
7.7500	.34	.36	.39	.42	.44
7.8750	.47	.49	.52	.55	.57
8.0000	.60	.63	.66	.69	.72
8.1250	.75	.78	.81	.85	.88
8.2500	.92	.95	.99	1.03	1.07
8.3750	1.11	1.15	1.19	1.23	1.28
8.5000	1.32	1.37	1.41	1.46	1.51
8.6250	1.55	1.60	1.65	1.70	1.75
8.7500	1.81	1.86	1.91	1.97	2.02
8.8750	2.08	2.13	2.19	2.25	2.31
9.0000	2.37	2.43	2.49	2.55	2.62
9.1250	2.68	2.75	2.81	2.88	2.94
9.2500	3.01	3.08	3.15	3.22	3.29
9.3750	3.36	3.43	3.51	3.58	3.65
9.5000	3.73	3.81	3.88	3.96	4.04
9.6250	4.12	4.20	4.28	4.36	4.44
9.7500	4.52	4.61	4.69	4.78	4.86
9.8750	4.95	5.04	5.12	5.21	5.30
10.0000	5.39	5.48	5.57	5.67	5.78
10.1250	5.88	5.99	6.11	6.24	6.36
10.2500	6.49	6.63	6.77	6.91	7.05
10.3750	7.20	7.35	7.50	7.65	7.80
10.5000	7.96	8.12	8.27	8.44	8.60
10.6250	8.77	8.93	9.10	9.27	9.44
10.7500	9.61	9.79	9.97	10.14	10.32
10.8750	10.51	10.69	10.88	11.06	11.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
11.0000	11.45	11.65	11.87	12.11	12.38
11.1250	12.68	13.01	13.39	13.82	14.26
11.2500	14.73	15.23	15.75	16.28	16.82
11.3750	17.38	17.96	18.53	19.12	19.72
11.5000	20.35	21.08	22.03	23.39	25.11
11.6250	27.20	29.76	32.94	36.66	40.77
11.7500	45.26	50.18	55.43	60.86	66.49
11.8750	72.52	78.82	86.38	96.54	111.09
12.0000	129.26	148.87	168.06	185.60	200.04
12.1250	209.97	214.24	212.02	203.83	191.74
12.2500	178.07	164.19	151.71	141.08	131.72
12.3750	122.86	114.50	106.66	99.15	91.69
12.5000	84.37	77.44	70.92	64.76	59.08
12.6250	54.13	49.91	46.36	43.47	41.17
12.7500	39.32	37.75	36.41	35.23	34.19
12.8750	33.21	32.30	31.45	30.64	29.84
13.0000	29.05	28.30	27.61	26.94	26.32
13.1250	25.76	25.27	24.84	24.46	24.14
13.2500	23.86	23.60	23.35	23.13	22.92
13.3750	22.71	22.50	22.31	22.12	21.92
13.5000	21.72	21.53	21.34	21.15	20.96
13.6250	20.77	20.58	20.39	20.20	20.01
13.7500	19.82	19.62	19.43	19.24	19.05
13.8750	18.85	18.65	18.46	18.27	18.07
14.0000	17.87	17.68	17.50	17.32	17.14
14.1250	16.98	16.84	16.70	16.57	16.46
14.2500	16.35	16.24	16.14	16.04	15.94
14.3750	15.84	15.75	15.66	15.56	15.47
14.5000	15.37	15.28	15.19	15.09	15.00
14.6250	14.91	14.82	14.72	14.63	14.53
14.7500	14.44	14.34	14.25	14.16	14.07
14.8750	13.97	13.88	13.78	13.69	13.59
15.0000	13.50	13.40	13.31	13.21	13.12
15.1250	13.02	12.93	12.83	12.73	12.64
15.2500	12.55	12.45	12.35	12.26	12.16
15.3750	12.06	11.97	11.87	11.78	11.68
15.5000	11.58	11.49	11.39	11.29	11.19
15.6250	11.10	11.01	10.91	10.81	10.71
15.7500	10.61	10.52	10.42	10.32	10.23
15.8750	10.13	10.03	9.93	9.84	9.74
16.0000	9.64	9.55	9.46	9.37	9.29
16.1250	9.21	9.14	9.07	9.00	8.94
16.2500	8.89	8.84	8.79	8.75	8.71
16.3750	8.66	8.62	8.57	8.53	8.48
16.5000	8.44	8.40	8.36	8.32	8.27

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
16.6250	8.23	8.19	8.14	8.10	8.06
16.7500	8.02	7.98	7.94	7.89	7.85
16.8750	7.81	7.76	7.72	7.68	7.64
17.0000	7.60	7.55	7.51	7.47	7.42
17.1250	7.38	7.34	7.30	7.26	7.21
17.2500	7.17	7.12	7.08	7.04	7.00
17.3750	6.96	6.91	6.87	6.83	6.78
17.5000	6.74	6.70	6.66	6.62	6.57
17.6250	6.53	6.48	6.44	6.40	6.36
17.7500	6.31	6.27	6.23	6.18	6.14
17.8750	6.09	6.05	6.01	5.97	5.93
18.0000	5.88	5.84	5.79	5.75	5.72
18.1250	5.68	5.65	5.63	5.61	5.59
18.2500	5.57	5.56	5.54	5.53	5.51
18.3750	5.50	5.48	5.47	5.46	5.45
18.5000	5.43	5.42	5.41	5.39	5.38
18.6250	5.37	5.36	5.35	5.33	5.32
18.7500	5.30	5.29	5.28	5.27	5.26
18.8750	5.24	5.23	5.22	5.20	5.19
19.0000	5.18	5.17	5.15	5.14	5.13
19.1250	5.11	5.10	5.09	5.08	5.06
19.2500	5.05	5.04	5.03	5.01	5.00
19.3750	4.99	4.97	4.96	4.95	4.94
19.5000	4.92	4.91	4.90	4.88	4.87
19.6250	4.86	4.85	4.83	4.82	4.81
19.7500	4.79	4.78	4.77	4.76	4.74
19.8750	4.73	4.72	4.70	4.69	4.68
20.0000	4.67	4.65	4.64	4.63	4.62
20.1250	4.60	4.59	4.58	4.57	4.56
20.2500	4.56	4.55	4.54	4.53	4.51
20.3750	4.50	4.49	4.48	4.47	4.46
20.5000	4.45	4.44	4.43	4.43	4.42
20.6250	4.41	4.40	4.39	4.37	4.36
20.7500	4.35	4.34	4.33	4.32	4.32
20.8750	4.31	4.30	4.29	4.28	4.27
21.0000	4.26	4.25	4.25	4.24	4.23
21.1250	4.22	4.21	4.19	4.18	4.17
21.2500	4.16	4.15	4.14	4.13	4.13
21.3750	4.12	4.11	4.10	4.09	4.08
21.5000	4.06	4.05	4.04	4.03	4.02
21.6250	4.01	4.01	4.00	3.99	3.98
21.7500	3.97	3.96	3.95	3.94	3.94
21.8750	3.93	3.92	3.91	3.89	3.88
22.0000	3.87	3.86	3.85	3.84	3.83
22.1250	3.82	3.81	3.80	3.80	3.79

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
22.2500	3.78	3.76	3.75	3.74	3.73
22.3750	3.72	3.71	3.70	3.70	3.69
22.5000	3.68	3.66	3.65	3.64	3.64
22.6250	3.63	3.62	3.62	3.61	3.59
22.7500	3.58	3.57	3.56	3.55	3.54
22.8750	3.53	3.52	3.51	3.50	3.49
23.0000	3.48	3.47	3.46	3.45	3.44
23.1250	3.43	3.41	3.40	3.40	3.39
23.2500	3.38	3.37	3.36	3.35	3.34
23.3750	3.33	3.32	3.32	3.31	3.30
23.5000	3.29	3.28	3.27	3.26	3.24
23.6250	3.23	3.22	3.21	3.20	3.20
23.7500	3.19	3.18	3.17	3.16	3.15
23.8750	3.14	3.12	3.11	3.10	3.09
24.0000	3.07	3.01	2.87	2.62	2.26
24.1250	1.85	1.44	1.07	.79	.58
24.2500	.43	.32	.23	.17	.12
24.3750	.09	.07	.05	.03	.02
24.5000	.02	.01	.01	.00	.00
24.6250	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. A 100
 Tc = .2010 hrs
 Drainage Area = 57.200 acres Runoff CN= 75
 Calc.Increment= .02680 hrs Out.Incr.= .0250 hrs
 HYG Volume = 953511 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
6.9500	.00	.00	.00	.01	.01
7.0750	.03	.04	.05	.07	.09
7.2000	.11	.13	.15	.17	.20
7.3250	.22	.24	.27	.29	.31
7.4500	.34	.36	.39	.42	.44
7.5750	.47	.50	.52	.55	.58
7.7000	.61	.63	.66	.69	.72
7.8250	.75	.78	.81	.84	.87
7.9500	.90	.93	.97	1.00	1.03
8.0750	1.06	1.10	1.13	1.17	1.21
8.2000	1.25	1.29	1.33	1.38	1.42
8.3250	1.47	1.51	1.56	1.61	1.66
8.4500	1.71	1.76	1.81	1.86	1.91
8.5750	1.97	2.02	2.08	2.14	2.19
8.7000	2.25	2.31	2.37	2.43	2.50
8.8250	2.56	2.62	2.69	2.75	2.82
8.9500	2.88	2.95	3.02	3.09	3.16
9.0750	3.23	3.30	3.38	3.45	3.52
9.2000	3.60	3.67	3.75	3.83	3.91
9.3250	3.99	4.07	4.15	4.23	4.31
9.4500	4.39	4.48	4.57	4.65	4.74
9.5750	4.82	4.91	5.00	5.09	5.18
9.7000	5.27	5.36	5.46	5.55	5.65
9.8250	5.74	5.84	5.93	6.03	6.13
9.9500	6.23	6.33	6.43	6.53	6.63
10.0750	6.74	6.86	6.98	7.10	7.24
10.2000	7.37	7.52	7.67	7.82	7.98
10.3250	8.13	8.29	8.46	8.63	8.79
10.4500	8.96	9.14	9.31	9.49	9.67
10.5750	9.85	10.03	10.22	10.40	10.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
10.7000	10.78	10.97	11.16	11.36	11.56
10.8250	11.75	11.95	12.16	12.36	12.57
10.9500	12.77	12.98	13.20	13.42	13.66
11.0750	13.94	14.24	14.57	14.94	15.37
11.2000	15.85	16.34	16.87	17.43	18.02
11.3250	18.61	19.22	19.84	20.49	21.13
11.4500	21.78	22.46	23.16	23.97	25.04
11.5750	26.56	28.49	30.83	33.71	37.29
11.7000	41.45	46.06	51.08	56.57	62.42
11.8250	68.45	74.71	81.39	88.35	96.71
11.9500	107.92	123.99	144.04	165.63	186.71
12.0750	205.91	221.64	232.34	236.80	234.11
12.2000	224.87	211.35	196.13	180.72	166.87
12.3250	155.08	144.70	134.91	125.66	117.01
12.4500	108.72	100.51	92.45	84.83	77.67
12.5750	70.90	64.67	59.24	54.61	50.72
12.7000	47.54	45.02	42.99	41.28	39.80
12.8250	38.51	37.36	36.30	35.29	34.36
12.9500	33.47	32.59	31.73	30.91	30.15
13.0750	29.42	28.74	28.13	27.60	27.12
13.2000	26.71	26.36	26.04	25.76	25.49
13.3250	25.25	25.01	24.78	24.56	24.34
13.4500	24.13	23.92	23.70	23.49	23.28
13.5750	23.07	22.86	22.65	22.45	22.24
13.7000	22.03	21.82	21.61	21.40	21.19
13.8250	20.98	20.77	20.55	20.34	20.13
13.9500	19.91	19.70	19.48	19.28	19.08
14.0750	18.88	18.69	18.51	18.35	18.20
14.2000	18.06	17.93	17.82	17.70	17.59
14.3250	17.48	17.37	17.26	17.16	17.06
14.4500	16.96	16.85	16.75	16.65	16.55
14.5750	16.44	16.34	16.24	16.14	16.04
14.7000	15.93	15.83	15.73	15.62	15.52
14.8250	15.42	15.32	15.21	15.11	15.01
14.9500	14.90	14.80	14.69	14.59	14.49
15.0750	14.38	14.28	14.17	14.07	13.97
15.2000	13.86	13.76	13.66	13.55	13.45
15.3250	13.34	13.24	13.13	13.02	12.92
15.4500	12.82	12.71	12.60	12.50	12.39
15.5750	12.29	12.18	12.08	11.98	11.87
15.7000	11.76	11.66	11.55	11.44	11.34
15.8250	11.23	11.13	11.02	10.91	10.81
15.9500	10.70	10.59	10.49	10.38	10.29
16.0750	10.19	10.10	10.02	9.94	9.86
16.2000	9.79	9.73	9.67	9.61	9.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
16.3250	9.52	9.47	9.42	9.37	9.32
16.4500	9.27	9.23	9.18	9.14	9.09
16.5750	9.05	9.00	8.95	8.90	8.86
16.7000	8.81	8.77	8.73	8.68	8.63
16.8250	8.58	8.53	8.49	8.44	8.40
16.9500	8.35	8.31	8.26	8.21	8.16
17.0750	8.12	8.07	8.03	7.99	7.94
17.2000	7.89	7.84	7.79	7.74	7.70
17.3250	7.66	7.61	7.56	7.52	7.47
17.4500	7.42	7.37	7.33	7.28	7.24
17.5750	7.19	7.14	7.09	7.05	7.00
17.7000	6.95	6.91	6.86	6.82	6.77
17.8250	6.72	6.67	6.62	6.58	6.53
17.9500	6.49	6.44	6.39	6.34	6.30
18.0750	6.25	6.21	6.18	6.14	6.12
18.2000	6.09	6.08	6.06	6.04	6.02
18.3250	6.01	5.99	5.97	5.96	5.95
18.4500	5.93	5.92	5.90	5.89	5.87
18.5750	5.86	5.85	5.84	5.82	5.81
18.7000	5.79	5.78	5.76	5.75	5.74
18.8250	5.72	5.71	5.70	5.68	5.67
18.9500	5.65	5.64	5.63	5.61	5.60
19.0750	5.59	5.57	5.56	5.54	5.53
19.2000	5.51	5.50	5.49	5.48	5.46
19.3250	5.45	5.43	5.42	5.40	5.39
19.4500	5.38	5.36	5.35	5.33	5.32
19.5750	5.30	5.29	5.28	5.27	5.25
19.7000	5.24	5.22	5.21	5.19	5.18
19.8250	5.17	5.15	5.14	5.13	5.11
19.9500	5.10	5.08	5.07	5.05	5.04
20.0750	5.03	5.01	5.00	4.99	4.97
20.2000	4.97	4.96	4.95	4.94	4.93
20.3250	4.92	4.90	4.89	4.88	4.87
20.4500	4.86	4.85	4.84	4.83	4.82
20.5750	4.81	4.80	4.79	4.78	4.76
20.7000	4.75	4.74	4.72	4.71	4.70
20.8250	4.70	4.69	4.68	4.67	4.66
20.9500	4.64	4.63	4.63	4.62	4.61
21.0750	4.60	4.59	4.58	4.57	4.55
21.2000	4.54	4.53	4.52	4.51	4.50
21.3250	4.49	4.48	4.47	4.46	4.45
21.4500	4.44	4.43	4.41	4.40	4.39
21.5750	4.37	4.37	4.36	4.35	4.34
21.7000	4.33	4.32	4.31	4.30	4.29
21.8250	4.28	4.27	4.27	4.25	4.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9500	4.23	4.22	4.20	4.19	4.18
22.0750	4.17	4.16	4.15	4.14	4.13
22.2000	4.12	4.11	4.10	4.09	4.07
22.3250	4.06	4.05	4.04	4.03	4.02
22.4500	4.01	4.00	3.99	3.98	3.97
22.5750	3.96	3.95	3.94	3.93	3.93
22.7000	3.91	3.90	3.89	3.88	3.86
22.8250	3.85	3.84	3.83	3.82	3.81
22.9500	3.80	3.79	3.78	3.77	3.76
23.0750	3.75	3.73	3.72	3.71	3.69
23.2000	3.69	3.68	3.67	3.66	3.65
23.3250	3.64	3.63	3.62	3.61	3.60
23.4500	3.59	3.58	3.57	3.56	3.55
23.5750	3.53	3.52	3.51	3.50	3.49
23.7000	3.48	3.47	3.46	3.45	3.44
23.8250	3.43	3.42	3.40	3.39	3.38
23.9500	3.36	3.35	3.33	3.27	3.12
24.0750	2.85	2.46	2.01	1.56	1.16
24.2000	.85	.63	.46	.34	.25
24.3250	.18	.14	.10	.07	.05
24.4500	.04	.03	.02	.01	.01
24.5750	.00	.00	.00		

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .110000 ft/ft

Avg.Velocity .16 ft/sec

Segment #1 Time: .1730 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 218.00 ft
Slope .160000 ft/ft
Unpaved

Avg.Velocity 6.45 ft/sec

Segment #2 Time: .0094 hrs

=====
Total Tc: .1824 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. B

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	70	1.000			70.00

COMPOSITE AREA & WEIGHTED CN ---> 1.000 70.00 (70)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. B 2
 Tc = .1824 hrs
 Drainage Area = 1.000 acres Runoff CN= 70
 Calc.Increment= .02432 hrs Out.Incr.= .0250 hrs
 HYG Volume = 3659 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
11.0750	.00	.00	.00	.00	.00
11.2000	.00	.01	.01	.01	.01
11.3250	.01	.01	.01	.01	.02
11.4500	.02	.02	.02	.02	.03
11.5750	.03	.03	.04	.05	.05
11.7000	.06	.08	.09	.10	.12
11.8250	.14	.16	.18	.21	.24
11.9500	.29	.35	.43	.52	.61
12.0750	.70	.77	.83	.87	.87
12.2000	.84	.79	.74	.69	.65
12.3250	.62	.58	.55	.52	.49
12.4500	.46	.42	.39	.36	.33
12.5750	.30	.28	.26	.24	.22
12.7000	.21	.20	.19	.19	.18
12.8250	.18	.17	.17	.16	.16
12.9500	.16	.15	.15	.15	.14
13.0750	.14	.14	.13	.13	.13
13.2000	.13	.13	.13	.12	.12
13.3250	.12	.12	.12	.12	.12
13.4500	.12	.12	.12	.12	.11
13.5750	.11	.11	.11	.11	.11
13.7000	.11	.11	.11	.11	.11
13.8250	.10	.10	.10	.10	.10
13.9500	.10	.10	.10	.10	.10
14.0750	.10	.09	.09	.09	.09
14.2000	.09	.09	.09	.09	.09
14.3250	.09	.09	.09	.09	.09
14.4500	.09	.09	.09	.09	.08
14.5750	.08	.08	.08	.08	.08
14.7000	.08	.08	.08	.08	.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
14.8250	.08	.08	.08	.08	.08
14.9500	.08	.08	.08	.08	.08
15.0750	.07	.07	.07	.07	.07
15.2000	.07	.07	.07	.07	.07
15.3250	.07	.07	.07	.07	.07
15.4500	.07	.07	.07	.07	.07
15.5750	.06	.06	.06	.06	.06
15.7000	.06	.06	.06	.06	.06
15.8250	.06	.06	.06	.06	.06
15.9500	.06	.06	.06	.05	.05
16.0750	.05	.05	.05	.05	.05
16.2000	.05	.05	.05	.05	.05
16.3250	.05	.05	.05	.05	.05
16.4500	.05	.05	.05	.05	.05
16.5750	.05	.05	.05	.05	.05
16.7000	.05	.05	.05	.05	.05
16.8250	.05	.05	.05	.05	.05
16.9500	.04	.04	.04	.04	.04
17.0750	.04	.04	.04	.04	.04
17.2000	.04	.04	.04	.04	.04
17.3250	.04	.04	.04	.04	.04
17.4500	.04	.04	.04	.04	.04
17.5750	.04	.04	.04	.04	.04
17.7000	.04	.04	.04	.04	.04
17.8250	.04	.04	.04	.04	.04
17.9500	.04	.03	.03	.03	.03
18.0750	.03	.03	.03	.03	.03
18.2000	.03	.03	.03	.03	.03
18.3250	.03	.03	.03	.03	.03
18.4500	.03	.03	.03	.03	.03
18.5750	.03	.03	.03	.03	.03
18.7000	.03	.03	.03	.03	.03
18.8250	.03	.03	.03	.03	.03
18.9500	.03	.03	.03	.03	.03
19.0750	.03	.03	.03	.03	.03
19.2000	.03	.03	.03	.03	.03
19.3250	.03	.03	.03	.03	.03
19.4500	.03	.03	.03	.03	.03
19.5750	.03	.03	.03	.03	.03
19.7000	.03	.03	.03	.03	.03
19.8250	.03	.03	.03	.03	.03
19.9500	.03	.03	.03	.03	.03
20.0750	.03	.03	.03	.03	.03
20.2000	.03	.03	.03	.03	.03
20.3250	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
20.4500	.03	.03	.03	.03	.03
20.5750	.03	.03	.03	.03	.03
20.7000	.03	.03	.03	.03	.03
20.8250	.03	.03	.03	.03	.03
20.9500	.03	.03	.03	.03	.03
21.0750	.03	.03	.03	.03	.03
21.2000	.03	.03	.03	.03	.03
21.3250	.02	.02	.02	.02	.02
21.4500	.02	.02	.02	.02	.02
21.5750	.02	.02	.02	.02	.02
21.7000	.02	.02	.02	.02	.02
21.8250	.02	.02	.02	.02	.02
21.9500	.02	.02	.02	.02	.02
22.0750	.02	.02	.02	.02	.02
22.2000	.02	.02	.02	.02	.02
22.3250	.02	.02	.02	.02	.02
22.4500	.02	.02	.02	.02	.02
22.5750	.02	.02	.02	.02	.02
22.7000	.02	.02	.02	.02	.02
22.8250	.02	.02	.02	.02	.02
22.9500	.02	.02	.02	.02	.02
23.0750	.02	.02	.02	.02	.02
23.2000	.02	.02	.02	.02	.02
23.3250	.02	.02	.02	.02	.02
23.4500	.02	.02	.02	.02	.02
23.5750	.02	.02	.02	.02	.02
23.7000	.02	.02	.02	.02	.02
23.8250	.02	.02	.02	.02	.02
23.9500	.02	.02	.02	.02	.02
24.0750	.02	.01	.01	.01	.01
24.2000	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. B 10
 Tc = .1824 hrs
 Drainage Area = 1.000 acres Runoff CN= 70
 Calc.Increment= .02432 hrs Out.Incr.= .0250 hrs
 HYG Volume = 8762 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	0.01	0.02	0.03	0.04
9.4000	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.01
9.6500	.01	.01	.01	.01	.01
9.7750	.01	.01	.01	.01	.01
9.9000	.01	.01	.02	.02	.02
10.0250	.02	.02	.02	.02	.02
10.1500	.02	.02	.02	.03	.03
10.2750	.03	.03	.03	.03	.03
10.4000	.03	.03	.04	.04	.04
10.5250	.04	.04	.04	.04	.05
10.6500	.05	.05	.05	.05	.05
10.7750	.06	.06	.06	.06	.06
10.9000	.06	.07	.07	.07	.07
11.0250	.07	.08	.08	.08	.08
11.1500	.09	.09	.09	.10	.10
11.2750	.11	.11	.12	.12	.13
11.4000	.13	.14	.14	.15	.15
11.5250	.16	.17	.18	.20	.22
11.6500	.24	.27	.31	.34	.39
11.7750	.43	.49	.54	.60	.66
11.9000	.73	.81	.92	1.09	1.29
12.0250	1.51	1.72	1.91	2.07	2.18
12.1500	2.22	2.18	2.08	1.94	1.80
12.2750	1.66	1.54	1.44	1.35	1.27
12.4000	1.18	1.11	1.03	.95	.88
12.5250	.80	.74	.67	.61	.56
12.6500	.52	.49	.46	.44	.42
12.7750	.41	.40	.38	.37	.37
12.9000	.36	.35	.34	.33	.32
13.0250	.31	.31	.30	.29	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1500	.28	.28	.27	.27	.27
13.2750	.27	.26	.26	.26	.26
13.4000	.25	.25	.25	.25	.25
13.5250	.24	.24	.24	.24	.24
13.6500	.23	.23	.23	.23	.23
13.7750	.22	.22	.22	.22	.21
13.9000	.21	.21	.21	.21	.20
14.0250	.20	.20	.20	.20	.19
14.1500	.19	.19	.19	.19	.19
14.2750	.19	.19	.18	.18	.18
14.4000	.18	.18	.18	.18	.18
14.5250	.18	.18	.17	.17	.17
14.6500	.17	.17	.17	.17	.17
14.7750	.17	.16	.16	.16	.16
14.9000	.16	.16	.16	.16	.16
15.0250	.16	.15	.15	.15	.15
15.1500	.15	.15	.15	.15	.15
15.2750	.14	.14	.14	.14	.14
15.4000	.14	.14	.14	.14	.13
15.5250	.13	.13	.13	.13	.13
15.6500	.13	.13	.13	.12	.12
15.7750	.12	.12	.12	.12	.12
15.9000	.12	.12	.11	.11	.11
16.0250	.11	.11	.11	.11	.11
16.1500	.11	.11	.11	.10	.10
16.2750	.10	.10	.10	.10	.10
16.4000	.10	.10	.10	.10	.10
16.5250	.10	.10	.10	.10	.10
16.6500	.10	.10	.10	.09	.09
16.7750	.09	.09	.09	.09	.09
16.9000	.09	.09	.09	.09	.09
17.0250	.09	.09	.09	.09	.09
17.1500	.09	.09	.09	.08	.08
17.2750	.08	.08	.08	.08	.08
17.4000	.08	.08	.08	.08	.08
17.5250	.08	.08	.08	.08	.08
17.6500	.08	.08	.08	.07	.07
17.7750	.07	.07	.07	.07	.07
17.9000	.07	.07	.07	.07	.07
18.0250	.07	.07	.07	.07	.07
18.1500	.07	.07	.07	.07	.07
18.2750	.07	.07	.07	.07	.07
18.4000	.06	.06	.06	.06	.06
18.5250	.06	.06	.06	.06	.06
18.6500	.06	.06	.06	.06	.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
18.7750	.06	.06	.06	.06	.06
18.9000	.06	.06	.06	.06	.06
19.0250	.06	.06	.06	.06	.06
19.1500	.06	.06	.06	.06	.06
19.2750	.06	.06	.06	.06	.06
19.4000	.06	.06	.06	.06	.06
19.5250	.06	.06	.06	.06	.06
19.6500	.06	.06	.06	.06	.06
19.7750	.06	.06	.06	.06	.06
19.9000	.06	.06	.06	.06	.06
20.0250	.06	.06	.06	.05	.05
20.1500	.05	.05	.05	.05	.05
20.2750	.05	.05	.05	.05	.05
20.4000	.05	.05	.05	.05	.05
20.5250	.05	.05	.05	.05	.05
20.6500	.05	.05	.05	.05	.05
20.7750	.05	.05	.05	.05	.05
20.9000	.05	.05	.05	.05	.05
21.0250	.05	.05	.05	.05	.05
21.1500	.05	.05	.05	.05	.05
21.2750	.05	.05	.05	.05	.05
21.4000	.05	.05	.05	.05	.05
21.5250	.05	.05	.05	.05	.05
21.6500	.05	.05	.05	.05	.05
21.7750	.05	.05	.05	.05	.05
21.9000	.05	.05	.05	.05	.05
22.0250	.05	.05	.05	.05	.05
22.1500	.05	.05	.05	.05	.05
22.2750	.04	.04	.04	.04	.04
22.4000	.04	.04	.04	.04	.04
22.5250	.04	.04	.04	.04	.04
22.6500	.04	.04	.04	.04	.04
22.7750	.04	.04	.04	.04	.04
22.9000	.04	.04	.04	.04	.04
23.0250	.04	.04	.04	.04	.04
23.1500	.04	.04	.04	.04	.04
23.2750	.04	.04	.04	.04	.04
23.4000	.04	.04	.04	.04	.04
23.5250	.04	.04	.04	.04	.04
23.6500	.04	.04	.04	.04	.04
23.7750	.04	.04	.04	.04	.04
23.9000	.04	.04	.04	.04	.04
24.0250	.04	.03	.03	.03	.02
24.1500	.01	.01	.01	.01	.00
24.2750	.00	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. B 25
 Tc = .1824 hrs
 Drainage Area = 1.000 acres Runoff CN= 70
 Calc.Increment= .02432 hrs Out.Incr.= .0250 hrs
 HYG Volume = 11640 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.7500	.00	.00	.00	.00	.00
8.8750	.00	.00	.00	.00	.01
9.0000	.01	.01	.01	.01	.01
9.1250	.01	.01	.01	.01	.01
9.2500	.01	.01	.01	.02	.02
9.3750	.02	.02	.02	.02	.02
9.5000	.02	.02	.02	.02	.03
9.6250	.03	.03	.03	.03	.03
9.7500	.03	.03	.03	.03	.04
9.8750	.04	.04	.04	.04	.04
10.0000	.04	.04	.04	.05	.05
10.1250	.05	.05	.05	.05	.05
10.2500	.06	.06	.06	.06	.06
10.3750	.06	.07	.07	.07	.07
10.5000	.07	.08	.08	.08	.08
10.6250	.08	.09	.09	.09	.09
10.7500	.10	.10	.10	.10	.10
10.8750	.11	.11	.11	.11	.12
11.0000	.12	.12	.12	.13	.13
11.1250	.14	.14	.15	.15	.16
11.2500	.16	.17	.17	.18	.19
11.3750	.20	.20	.21	.22	.23
11.5000	.23	.24	.26	.28	.30
11.6250	.33	.36	.40	.45	.51
11.7500	.57	.63	.70	.78	.85
11.8750	.94	1.03	1.14	1.29	1.51
12.0000	1.79	2.07	2.35	2.59	2.79
12.1250	2.92	2.97	2.91	2.76	2.57
12.2500	2.37	2.18	2.02	1.89	1.77
12.3750	1.65	1.54	1.44	1.34	1.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
12.5000	1.13	1.04	.95	.87	.79
12.6250	.73	.67	.63	.59	.57
12.7500	.54	.52	.51	.49	.48
12.8750	.47	.46	.45	.43	.42
13.0000	.41	.40	.39	.38	.38
13.1250	.37	.36	.36	.35	.35
13.2500	.34	.34	.34	.33	.33
13.3750	.33	.32	.32	.32	.32
13.5000	.31	.31	.31	.31	.30
13.6250	.30	.30	.30	.29	.29
13.7500	.29	.28	.28	.28	.28
13.8750	.27	.27	.27	.27	.26
14.0000	.26	.26	.25	.25	.25
14.1250	.25	.24	.24	.24	.24
14.2500	.24	.24	.24	.23	.23
14.3750	.23	.23	.23	.23	.23
14.5000	.22	.22	.22	.22	.22
14.6250	.22	.22	.22	.21	.21
14.7500	.21	.21	.21	.21	.21
14.8750	.20	.20	.20	.20	.20
15.0000	.20	.20	.20	.19	.19
15.1250	.19	.19	.19	.19	.19
15.2500	.18	.18	.18	.18	.18
15.3750	.18	.18	.17	.17	.17
15.5000	.17	.17	.17	.17	.16
15.6250	.16	.16	.16	.16	.16
15.7500	.16	.15	.15	.15	.15
15.8750	.15	.15	.15	.14	.14
16.0000	.14	.14	.14	.14	.14
16.1250	.14	.13	.13	.13	.13
16.2500	.13	.13	.13	.13	.13
16.3750	.13	.13	.13	.13	.13
16.5000	.12	.12	.12	.12	.12
16.6250	.12	.12	.12	.12	.12
16.7500	.12	.12	.12	.12	.12
16.8750	.12	.11	.11	.11	.11
17.0000	.11	.11	.11	.11	.11
17.1250	.11	.11	.11	.11	.11
17.2500	.11	.11	.10	.10	.10
17.3750	.10	.10	.10	.10	.10
17.5000	.10	.10	.10	.10	.10
17.6250	.10	.10	.10	.09	.09
17.7500	.09	.09	.09	.09	.09
17.8750	.09	.09	.09	.09	.09
18.0000	.09	.09	.09	.09	.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
18.1250	.08	.08	.08	.08	.08
18.2500	.08	.08	.08	.08	.08
18.3750	.08	.08	.08	.08	.08
18.5000	.08	.08	.08	.08	.08
18.6250	.08	.08	.08	.08	.08
18.7500	.08	.08	.08	.08	.08
18.8750	.08	.08	.08	.08	.08
19.0000	.08	.08	.08	.08	.08
19.1250	.08	.08	.08	.08	.08
19.2500	.08	.07	.07	.07	.07
19.3750	.07	.07	.07	.07	.07
19.5000	.07	.07	.07	.07	.07
19.6250	.07	.07	.07	.07	.07
19.7500	.07	.07	.07	.07	.07
19.8750	.07	.07	.07	.07	.07
20.0000	.07	.07	.07	.07	.07
20.1250	.07	.07	.07	.07	.07
20.2500	.07	.07	.07	.07	.07
20.3750	.07	.07	.07	.07	.07
20.5000	.07	.07	.07	.07	.07
20.6250	.07	.07	.07	.07	.07
20.7500	.06	.06	.06	.06	.06
20.8750	.06	.06	.06	.06	.06
21.0000	.06	.06	.06	.06	.06
21.1250	.06	.06	.06	.06	.06
21.2500	.06	.06	.06	.06	.06
21.3750	.06	.06	.06	.06	.06
21.5000	.06	.06	.06	.06	.06
21.6250	.06	.06	.06	.06	.06
21.7500	.06	.06	.06	.06	.06
21.8750	.06	.06	.06	.06	.06
22.0000	.06	.06	.06	.06	.06
22.1250	.06	.06	.06	.06	.06
22.2500	.06	.06	.06	.06	.06
22.3750	.06	.06	.06	.06	.06
22.5000	.05	.05	.05	.05	.05
22.6250	.05	.05	.05	.05	.05
22.7500	.05	.05	.05	.05	.05
22.8750	.05	.05	.05	.05	.05
23.0000	.05	.05	.05	.05	.05
23.1250	.05	.05	.05	.05	.05
23.2500	.05	.05	.05	.05	.05
23.3750	.05	.05	.05	.05	.05
23.5000	.05	.05	.05	.05	.05
23.6250	.05	.05	.05	.05	.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.7500	.05	.05	.05	.05	.05
23.8750	.05	.05	.05	.05	.05
24.0000	.05	.05	.04	.04	.03
24.1250	.02	.02	.01	.01	.01
24.2500	.00	.00	.00	.00	.00
24.3750	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. B 50
 Tc = .1824 hrs
 Drainage Area = 1.000 acres Runoff CN= 70
 Calc.Increment= .02432 hrs Out.Incr.= .0250 hrs
 HYG Volume = 13133 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.4500	.00	.00	.00	.00	.00
8.5750	.00	.00	.00	.00	.01
8.7000	.01	.01	.01	.01	.01
8.8250	.01	.01	.01	.01	.01
8.9500	.01	.01	.01	.02	.02
9.0750	.02	.02	.02	.02	.02
9.2000	.02	.02	.02	.02	.02
9.3250	.03	.03	.03	.03	.03
9.4500	.03	.03	.03	.03	.04
9.5750	.04	.04	.04	.04	.04
9.7000	.04	.04	.04	.05	.05
9.8250	.05	.05	.05	.05	.05
9.9500	.05	.06	.06	.06	.06
10.0750	.06	.06	.06	.07	.07
10.2000	.07	.07	.07	.07	.08
10.3250	.08	.08	.08	.08	.09
10.4500	.09	.09	.09	.10	.10
10.5750	.10	.10	.11	.11	.11
10.7000	.11	.12	.12	.12	.12
10.8250	.13	.13	.13	.13	.14
10.9500	.14	.14	.15	.15	.15
11.0750	.16	.16	.16	.17	.17
11.2000	.18	.19	.19	.20	.21
11.3250	.22	.23	.23	.24	.25
11.4500	.26	.27	.28	.29	.30
11.5750	.33	.35	.38	.42	.47
11.7000	.53	.59	.66	.74	.82
11.8250	.90	.99	1.09	1.19	1.31
11.9500	1.49	1.74	2.04	2.36	2.67
12.0750	2.94	3.16	3.30	3.35	3.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2000	3.11	2.89	2.66	2.45	2.27
12.3250	2.11	1.98	1.85	1.72	1.61
12.4500	1.49	1.38	1.27	1.16	1.06
12.5750	.97	.88	.81	.75	.70
12.7000	.66	.63	.60	.58	.57
12.8250	.55	.53	.52	.51	.49
12.9500	.48	.47	.46	.45	.44
13.0750	.43	.42	.41	.40	.39
13.2000	.39	.38	.38	.38	.37
13.3250	.37	.37	.36	.36	.36
13.4500	.35	.35	.35	.35	.34
13.5750	.34	.34	.33	.33	.33
13.7000	.32	.32	.32	.32	.31
13.8250	.31	.31	.30	.30	.30
13.9500	.29	.29	.29	.28	.28
14.0750	.28	.28	.27	.27	.27
14.2000	.27	.27	.26	.26	.26
14.3250	.26	.26	.26	.25	.25
14.4500	.25	.25	.25	.25	.25
14.5750	.24	.24	.24	.24	.24
14.7000	.24	.24	.23	.23	.23
14.8250	.23	.23	.23	.22	.22
14.9500	.22	.22	.22	.22	.22
15.0750	.21	.21	.21	.21	.21
15.2000	.21	.20	.20	.20	.20
15.3250	.20	.20	.20	.19	.19
15.4500	.19	.19	.19	.19	.18
15.5750	.18	.18	.18	.18	.18
15.7000	.18	.17	.17	.17	.17
15.8250	.17	.17	.16	.16	.16
15.9500	.16	.16	.16	.15	.15
16.0750	.15	.15	.15	.15	.15
16.2000	.15	.15	.14	.14	.14
16.3250	.14	.14	.14	.14	.14
16.4500	.14	.14	.14	.14	.14
16.5750	.14	.13	.13	.13	.13
16.7000	.13	.13	.13	.13	.13
16.8250	.13	.13	.13	.13	.13
16.9500	.13	.12	.12	.12	.12
17.0750	.12	.12	.12	.12	.12
17.2000	.12	.12	.12	.12	.12
17.3250	.11	.11	.11	.11	.11
17.4500	.11	.11	.11	.11	.11
17.5750	.11	.11	.11	.11	.11
17.7000	.10	.10	.10	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8250	.10	.10	.10	.10	.10
17.9500	.10	.10	.10	.10	.09
18.0750	.09	.09	.09	.09	.09
18.2000	.09	.09	.09	.09	.09
18.3250	.09	.09	.09	.09	.09
18.4500	.09	.09	.09	.09	.09
18.5750	.09	.09	.09	.09	.09
18.7000	.09	.09	.09	.09	.09
18.8250	.09	.09	.09	.09	.09
18.9500	.09	.09	.08	.08	.08
19.0750	.08	.08	.08	.08	.08
19.2000	.08	.08	.08	.08	.08
19.3250	.08	.08	.08	.08	.08
19.4500	.08	.08	.08	.08	.08
19.5750	.08	.08	.08	.08	.08
19.7000	.08	.08	.08	.08	.08
19.8250	.08	.08	.08	.08	.08
19.9500	.08	.08	.08	.08	.08
20.0750	.08	.08	.08	.08	.08
20.2000	.08	.07	.07	.07	.07
20.3250	.07	.07	.07	.07	.07
20.4500	.07	.07	.07	.07	.07
20.5750	.07	.07	.07	.07	.07
20.7000	.07	.07	.07	.07	.07
20.8250	.07	.07	.07	.07	.07
20.9500	.07	.07	.07	.07	.07
21.0750	.07	.07	.07	.07	.07
21.2000	.07	.07	.07	.07	.07
21.3250	.07	.07	.07	.07	.07
21.4500	.07	.07	.07	.07	.07
21.5750	.07	.07	.07	.07	.07
21.7000	.07	.07	.07	.07	.06
21.8250	.06	.06	.06	.06	.06
21.9500	.06	.06	.06	.06	.06
22.0750	.06	.06	.06	.06	.06
22.2000	.06	.06	.06	.06	.06
22.3250	.06	.06	.06	.06	.06
22.4500	.06	.06	.06	.06	.06
22.5750	.06	.06	.06	.06	.06
22.7000	.06	.06	.06	.06	.06
22.8250	.06	.06	.06	.06	.06
22.9500	.06	.06	.06	.06	.06
23.0750	.06	.06	.06	.06	.06
23.2000	.06	.06	.06	.06	.06
23.3250	.06	.05	.05	.05	.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.4500	.05	.05	.05	.05	.05
23.5750	.05	.05	.05	.05	.05
23.7000	.05	.05	.05	.05	.05
23.8250	.05	.05	.05	.05	.05
23.9500	.05	.05	.05	.05	.05
24.0750	.04	.03	.03	.02	.01
24.2000	.01	.01	.01	.00	.00
24.3250	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. B 100

Tc = .1824 hrs

Drainage Area = 1.000 acres Runoff CN= 70

Calc.Increment= .02432 hrs Out.Incr.= .0250 hrs

HYG Volume = 14655 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
8.1750	.00	.00	.00	.00	.00
8.3000	.00	.00	.00	.00	.01
8.4250	.01	.01	.01	.01	.01
8.5500	.01	.01	.01	.01	.01
8.6750	.01	.01	.01	.01	.02
8.8000	.02	.02	.02	.02	.02
8.9250	.02	.02	.02	.02	.02
9.0500	.03	.03	.03	.03	.03
9.1750	.03	.03	.03	.03	.03
9.3000	.04	.04	.04	.04	.04
9.4250	.04	.04	.04	.04	.05
9.5500	.05	.05	.05	.05	.05
9.6750	.05	.05	.06	.06	.06
9.8000	.06	.06	.06	.06	.07
9.9250	.07	.07	.07	.07	.07
10.0500	.08	.08	.08	.08	.08
10.1750	.08	.09	.09	.09	.09
10.3000	.09	.10	.10	.10	.10
10.4250	.11	.11	.11	.11	.12
10.5500	.12	.12	.12	.13	.13
10.6750	.13	.14	.14	.14	.14
10.8000	.15	.15	.15	.16	.16
10.9250	.16	.17	.17	.17	.18
11.0500	.18	.18	.19	.19	.20
11.1750	.21	.21	.22	.23	.24
11.3000	.25	.25	.26	.27	.28
11.4250	.29	.30	.31	.32	.34
11.5500	.35	.38	.41	.44	.49
11.6750	.55	.61	.68	.76	.85
11.8000	.94	1.03	1.13	1.24	1.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
11.9250	1.49	1.69	1.96	2.30	2.66
12.0500	3.00	3.30	3.54	3.69	3.74
12.1750	3.65	3.46	3.21	2.96	2.72
12.3000	2.52	2.34	2.19	2.04	1.90
12.4250	1.78	1.65	1.52	1.40	1.28
12.5500	1.17	1.07	.97	.89	.82
12.6750	.77	.73	.69	.67	.64
12.8000	.62	.60	.59	.57	.56
12.9250	.54	.53	.52	.50	.49
13.0500	.48	.47	.46	.45	.44
13.1750	.43	.43	.42	.42	.41
13.3000	.41	.41	.40	.40	.40
13.4250	.39	.39	.39	.38	.38
13.5500	.38	.37	.37	.37	.36
13.6750	.36	.36	.35	.35	.35
13.8000	.34	.34	.34	.33	.33
13.9250	.33	.32	.32	.32	.31
14.0500	.31	.31	.30	.30	.30
14.1750	.30	.29	.29	.29	.29
14.3000	.29	.28	.28	.28	.28
14.4250	.28	.28	.27	.27	.27
14.5500	.27	.27	.27	.26	.26
14.6750	.26	.26	.26	.26	.25
14.8000	.25	.25	.25	.25	.25
14.9250	.24	.24	.24	.24	.24
15.0500	.24	.23	.23	.23	.23
15.1750	.23	.23	.22	.22	.22
15.3000	.22	.22	.22	.21	.21
15.4250	.21	.21	.21	.21	.20
15.5500	.20	.20	.20	.20	.20
15.6750	.19	.19	.19	.19	.19
15.8000	.18	.18	.18	.18	.18
15.9250	.18	.17	.17	.17	.17
16.0500	.17	.17	.16	.16	.16
16.1750	.16	.16	.16	.16	.16
16.3000	.16	.16	.16	.15	.15
16.4250	.15	.15	.15	.15	.15
16.5500	.15	.15	.15	.15	.15
16.6750	.15	.14	.14	.14	.14
16.8000	.14	.14	.14	.14	.14
16.9250	.14	.14	.14	.14	.13
17.0500	.13	.13	.13	.13	.13
17.1750	.13	.13	.13	.13	.13
17.3000	.13	.13	.12	.12	.12
17.4250	.12	.12	.12	.12	.12

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
17.5500	.12	.12	.12	.12	.12
17.6750	.11	.11	.11	.11	.11
17.8000	.11	.11	.11	.11	.11
17.9250	.11	.11	.11	.10	.10
18.0500	.10	.10	.10	.10	.10
18.1750	.10	.10	.10	.10	.10
18.3000	.10	.10	.10	.10	.10
18.4250	.10	.10	.10	.10	.10
18.5500	.10	.10	.10	.10	.10
18.6750	.10	.10	.10	.09	.09
18.8000	.09	.09	.09	.09	.09
18.9250	.09	.09	.09	.09	.09
19.0500	.09	.09	.09	.09	.09
19.1750	.09	.09	.09	.09	.09
19.3000	.09	.09	.09	.09	.09
19.4250	.09	.09	.09	.09	.09
19.5500	.09	.09	.09	.09	.09
19.6750	.09	.09	.09	.09	.09
19.8000	.09	.09	.09	.08	.08
19.9250	.08	.08	.08	.08	.08
20.0500	.08	.08	.08	.08	.08
20.1750	.08	.08	.08	.08	.08
20.3000	.08	.08	.08	.08	.08
20.4250	.08	.08	.08	.08	.08
20.5500	.08	.08	.08	.08	.08
20.6750	.08	.08	.08	.08	.08
20.8000	.08	.08	.08	.08	.08
20.9250	.08	.08	.08	.08	.08
21.0500	.08	.08	.08	.08	.08
21.1750	.08	.07	.07	.07	.07
21.3000	.07	.07	.07	.07	.07
21.4250	.07	.07	.07	.07	.07
21.5500	.07	.07	.07	.07	.07
21.6750	.07	.07	.07	.07	.07
21.8000	.07	.07	.07	.07	.07
21.9250	.07	.07	.07	.07	.07
22.0500	.07	.07	.07	.07	.07
22.1750	.07	.07	.07	.07	.07
22.3000	.07	.07	.07	.07	.07
22.4250	.07	.07	.07	.07	.07
22.5500	.07	.07	.07	.07	.07
22.6750	.06	.06	.06	.06	.06
22.8000	.06	.06	.06	.06	.06
22.9250	.06	.06	.06	.06	.06
23.0500	.06	.06	.06	.06	.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
23.1750	.06	.06	.06	.06	.06
23.3000	.06	.06	.06	.06	.06
23.4250	.06	.06	.06	.06	.06
23.5500	.06	.06	.06	.06	.06
23.6750	.06	.06	.06	.06	.06
23.8000	.06	.06	.06	.06	.06
23.9250	.06	.06	.06	.06	.05
24.0500	.05	.05	.04	.03	.02
24.1750	.02	.01	.01	.01	.00
24.3000	.00	.00	.00	.00	

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .120000 ft/ft

Avg.Velocity .17 ft/sec

Segment #1 Time: .1671 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 1460.00 ft
Slope .050000 ft/ft
Unpaved

Avg.Velocity 3.61 ft/sec

Segment #2 Time: .1124 hrs

=====
Total Tc: .2795 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. C

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	73	63.100			73.00

COMPOSITE AREA & WEIGHTED CN ---> 63.100 73.00 (73)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. C 2
 Tc = .2795 hrs
 Drainage Area = 63.100 acres Runoff CN= 73
 Calc.Increment= .03727 hrs Out.Incr.= .0250 hrs
 HYG Volume = 270212 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
10.4500	.00	.00	.00	.01	.02
10.5750	.03	.04	.06	.09	.11
10.7000	.14	.18	.21	.25	.29
10.8250	.33	.37	.41	.46	.51
10.9500	.55	.60	.65	.70	.76
11.0750	.81	.87	.93	1.00	1.07
11.2000	1.14	1.22	1.30	1.40	1.49
11.3250	1.59	1.70	1.81	1.93	2.05
11.4500	2.18	2.31	2.46	2.62	2.79
11.5750	3.01	3.26	3.57	3.97	4.43
11.7000	4.98	5.67	6.45	7.32	8.36
11.8250	9.50	10.76	12.17	13.74	15.54
11.9500	17.93	20.82	24.27	28.72	33.51
12.0750	38.65	43.81	48.62	53.03	55.87
12.2000	57.67	58.41	57.48	56.07	54.17
12.3250	51.76	49.31	46.84	44.49	42.17
12.4500	39.87	37.60	35.33	33.05	30.81
12.5750	28.64	26.55	24.62	22.82	21.15
12.7000	19.74	18.49	17.38	16.47	15.67
12.8250	14.96	14.36	13.83	13.34	12.90
12.9500	12.50	12.12	11.78	11.45	11.14
13.0750	10.85	10.58	10.33	10.10	9.89
13.2000	9.70	9.54	9.39	9.26	9.15
13.3250	9.04	8.95	8.86	8.77	8.69
13.4500	8.62	8.54	8.47	8.40	8.33
13.5750	8.26	8.19	8.13	8.06	7.99
13.7000	7.92	7.86	7.79	7.72	7.65
13.8250	7.58	7.52	7.45	7.38	7.31
13.9500	7.24	7.17	7.10	7.03	6.96
14.0750	6.89	6.83	6.76	6.70	6.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
14.2000	6.59	6.54	6.50	6.45	6.41
14.3250	6.37	6.33	6.29	6.26	6.22
14.4500	6.19	6.15	6.12	6.08	6.05
14.5750	6.02	5.98	5.95	5.91	5.88
14.7000	5.85	5.81	5.78	5.74	5.71
14.8250	5.68	5.64	5.61	5.57	5.54
14.9500	5.50	5.47	5.43	5.40	5.36
15.0750	5.33	5.29	5.26	5.22	5.19
15.2000	5.15	5.12	5.08	5.05	5.01
15.3250	4.97	4.94	4.90	4.86	4.83
15.4500	4.79	4.76	4.72	4.68	4.65
15.5750	4.61	4.57	4.54	4.50	4.46
15.7000	4.42	4.39	4.35	4.31	4.27
15.8250	4.24	4.20	4.16	4.12	4.09
15.9500	4.05	4.01	3.97	3.93	3.90
16.0750	3.86	3.83	3.79	3.76	3.73
16.2000	3.70	3.68	3.65	3.63	3.61
16.3250	3.59	3.57	3.55	3.53	3.51
16.4500	3.49	3.48	3.46	3.44	3.42
16.5750	3.41	3.39	3.38	3.36	3.34
16.7000	3.33	3.31	3.29	3.28	3.26
16.8250	3.24	3.23	3.21	3.19	3.18
16.9500	3.16	3.14	3.13	3.11	3.10
17.0750	3.08	3.06	3.05	3.03	3.01
17.2000	3.00	2.98	2.96	2.94	2.93
17.3250	2.91	2.89	2.88	2.86	2.84
17.4500	2.83	2.81	2.79	2.78	2.76
17.5750	2.74	2.73	2.71	2.69	2.67
17.7000	2.66	2.64	2.62	2.61	2.59
17.8250	2.57	2.55	2.54	2.52	2.50
17.9500	2.49	2.47	2.45	2.43	2.42
18.0750	2.40	2.38	2.37	2.35	2.34
18.2000	2.33	2.32	2.31	2.30	2.29
18.3250	2.29	2.28	2.27	2.27	2.26
18.4500	2.26	2.25	2.25	2.24	2.24
18.5750	2.23	2.23	2.22	2.22	2.21
18.7000	2.21	2.20	2.20	2.19	2.19
18.8250	2.18	2.18	2.17	2.17	2.16
18.9500	2.16	2.15	2.15	2.14	2.14
19.0750	2.13	2.13	2.12	2.12	2.11
19.2000	2.11	2.10	2.10	2.09	2.09
19.3250	2.08	2.08	2.07	2.07	2.06
19.4500	2.06	2.05	2.05	2.04	2.04
19.5750	2.03	2.03	2.02	2.02	2.01
19.7000	2.01	2.00	2.00	1.99	1.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.8250	1.98	1.98	1.97	1.97	1.96
19.9500	1.96	1.95	1.95	1.94	1.93
20.0750	1.93	1.92	1.92	1.91	1.91
20.2000	1.91	1.90	1.90	1.90	1.89
20.3250	1.89	1.88	1.88	1.87	1.87
20.4500	1.87	1.86	1.86	1.85	1.85
20.5750	1.85	1.84	1.84	1.84	1.83
20.7000	1.83	1.82	1.82	1.81	1.81
20.8250	1.81	1.80	1.80	1.80	1.79
20.9500	1.79	1.79	1.78	1.78	1.77
21.0750	1.77	1.77	1.76	1.76	1.76
21.2000	1.75	1.75	1.74	1.74	1.74
21.3250	1.73	1.73	1.72	1.72	1.72
21.4500	1.71	1.71	1.70	1.70	1.70
21.5750	1.69	1.69	1.68	1.68	1.68
21.7000	1.67	1.67	1.67	1.66	1.66
21.8250	1.65	1.65	1.65	1.64	1.64
21.9500	1.64	1.63	1.63	1.62	1.62
22.0750	1.62	1.61	1.61	1.60	1.60
22.2000	1.60	1.59	1.59	1.58	1.58
22.3250	1.58	1.57	1.57	1.56	1.56
22.4500	1.55	1.55	1.55	1.54	1.54
22.5750	1.54	1.53	1.53	1.53	1.52
22.7000	1.52	1.51	1.51	1.51	1.50
22.8250	1.50	1.49	1.49	1.48	1.48
22.9500	1.48	1.47	1.47	1.47	1.46
23.0750	1.46	1.45	1.45	1.44	1.44
23.2000	1.44	1.43	1.43	1.42	1.42
23.3250	1.42	1.41	1.41	1.40	1.40
23.4500	1.40	1.39	1.39	1.39	1.38
23.5750	1.38	1.37	1.37	1.37	1.36
23.7000	1.36	1.35	1.35	1.34	1.34
23.8250	1.34	1.33	1.33	1.32	1.32
23.9500	1.31	1.31	1.30	1.29	1.26
24.0750	1.21	1.13	1.02	.90	.77
24.2000	.65	.53	.43	.34	.27
24.3250	.22	.18	.14	.11	.09
24.4500	.07	.06	.05	.04	.03
24.5750	.02	.02	.01	.01	.01
24.7000	.01	.01	.00	.00	.00
24.8250	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. C 10
 Tc = .2795 hrs
 Drainage Area = 63.100 acres Runoff CN= 73
 Calc.Increment= .03727 hrs Out.Incr.= .0250 hrs
 HYG Volume = 613635 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.7250	.00	.00	.00	.01	.02
8.8500	.03	.04	.05	.07	.10
8.9750	.12	.15	.17	.20	.24
9.1000	.27	.30	.34	.37	.41
9.2250	.44	.48	.52	.56	.60
9.3500	.64	.68	.73	.77	.81
9.4750	.86	.90	.95	.99	1.04
9.6000	1.09	1.14	1.19	1.24	1.29
9.7250	1.34	1.39	1.44	1.49	1.55
9.8500	1.60	1.66	1.71	1.77	1.82
9.9750	1.88	1.94	2.00	2.06	2.12
10.1000	2.18	2.25	2.31	2.38	2.45
10.2250	2.53	2.60	2.68	2.76	2.85
10.3500	2.93	3.02	3.11	3.20	3.29
10.4750	3.39	3.48	3.58	3.68	3.78
10.6000	3.88	3.99	4.10	4.20	4.31
10.7250	4.42	4.54	4.65	4.77	4.88
10.8500	5.00	5.12	5.25	5.37	5.50
10.9750	5.62	5.75	5.88	6.02	6.17
11.1000	6.33	6.50	6.68	6.88	7.10
11.2250	7.34	7.60	7.88	8.17	8.48
11.3500	8.80	9.13	9.47	9.83	10.20
11.4750	10.57	10.98	11.42	11.93	12.56
11.6000	13.31	14.23	15.43	16.83	18.48
11.7250	20.54	22.80	25.31	28.20	31.30
11.8500	34.66	38.29	42.27	46.72	52.51
11.9750	59.40	67.58	77.87	88.77	100.25
12.1000	111.31	121.33	130.20	135.17	137.71
12.2250	137.80	134.22	129.64	124.05	117.56
12.3500	111.10	104.70	98.78	93.01	87.39

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
12.4750	81.99	76.64	71.35	66.24	61.35
12.6000	56.65	52.35	48.38	44.71	41.61
12.7250	38.87	36.43	34.43	32.68	31.12
12.8500	29.82	28.65	27.59	26.64	25.77
12.9750	24.96	24.22	23.52	22.85	22.24
13.1000	21.67	21.13	20.63	20.20	19.79
13.2250	19.44	19.13	18.85	18.60	18.37
13.3500	18.16	17.97	17.79	17.61	17.44
13.4750	17.28	17.13	16.97	16.82	16.68
13.6000	16.53	16.38	16.24	16.09	15.95
13.7250	15.80	15.65	15.51	15.37	15.22
13.8500	15.08	14.93	14.79	14.64	14.50
13.9750	14.35	14.20	14.06	13.91	13.77
14.1000	13.63	13.50	13.37	13.25	13.14
14.2250	13.03	12.94	12.84	12.75	12.67
14.3500	12.58	12.51	12.43	12.35	12.28
14.4750	12.20	12.13	12.06	11.99	11.92
14.6000	11.85	11.77	11.70	11.63	11.56
14.7250	11.49	11.42	11.35	11.28	11.21
14.8500	11.13	11.06	10.99	10.92	10.85
14.9750	10.78	10.70	10.63	10.56	10.49
15.1000	10.41	10.34	10.27	10.20	10.12
15.2250	10.05	9.98	9.91	9.83	9.76
15.3500	9.68	9.61	9.54	9.46	9.39
15.4750	9.32	9.24	9.17	9.09	9.02
15.6000	8.95	8.87	8.80	8.72	8.65
15.7250	8.57	8.50	8.42	8.35	8.27
15.8500	8.20	8.12	8.05	7.97	7.89
15.9750	7.82	7.74	7.67	7.60	7.52
16.1000	7.45	7.39	7.33	7.27	7.21
16.2250	7.16	7.10	7.06	7.01	6.97
16.3500	6.93	6.90	6.86	6.82	6.79
16.4750	6.75	6.72	6.68	6.65	6.62
16.6000	6.58	6.55	6.52	6.48	6.45
16.7250	6.42	6.38	6.35	6.32	6.29
16.8500	6.25	6.22	6.19	6.15	6.12
16.9750	6.09	6.06	6.02	5.99	5.96
17.1000	5.92	5.89	5.86	5.83	5.79
17.2250	5.76	5.72	5.69	5.66	5.63
17.3500	5.59	5.56	5.53	5.49	5.46
17.4750	5.43	5.39	5.36	5.33	5.29
17.6000	5.26	5.23	5.19	5.16	5.12
17.7250	5.09	5.06	5.03	4.99	4.96
17.8500	4.92	4.89	4.86	4.82	4.79
17.9750	4.76	4.72	4.69	4.65	4.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
18.1000	4.59	4.56	4.53	4.51	4.48
18.2250	4.46	4.44	4.43	4.41	4.40
18.3500	4.39	4.37	4.36	4.35	4.34
18.4750	4.33	4.32	4.31	4.29	4.28
18.6000	4.27	4.26	4.25	4.24	4.23
18.7250	4.22	4.21	4.20	4.19	4.18
18.8500	4.18	4.17	4.16	4.15	4.14
18.9750	4.13	4.12	4.11	4.10	4.09
19.1000	4.08	4.07	4.06	4.05	4.04
19.2250	4.03	4.02	4.01	4.00	3.99
19.3500	3.98	3.97	3.96	3.95	3.94
19.4750	3.93	3.92	3.91	3.90	3.89
19.6000	3.88	3.87	3.86	3.85	3.84
19.7250	3.83	3.82	3.81	3.80	3.79
19.8500	3.78	3.77	3.76	3.75	3.74
19.9750	3.73	3.72	3.71	3.70	3.69
20.1000	3.68	3.67	3.66	3.65	3.64
20.2250	3.63	3.63	3.62	3.61	3.60
20.3500	3.60	3.59	3.58	3.57	3.56
20.4750	3.55	3.55	3.54	3.53	3.52
20.6000	3.52	3.51	3.50	3.49	3.49
20.7250	3.48	3.47	3.46	3.45	3.44
20.8500	3.44	3.43	3.42	3.42	3.41
20.9750	3.40	3.39	3.39	3.38	3.38
21.1000	3.37	3.36	3.35	3.35	3.34
21.2250	3.33	3.32	3.31	3.30	3.30
21.3500	3.29	3.28	3.28	3.27	3.26
21.4750	3.25	3.24	3.24	3.23	3.22
21.6000	3.21	3.20	3.20	3.19	3.18
21.7250	3.17	3.17	3.16	3.15	3.15
21.8500	3.14	3.13	3.13	3.12	3.11
21.9750	3.10	3.09	3.09	3.08	3.07
22.1000	3.06	3.05	3.05	3.04	3.03
22.2250	3.02	3.02	3.01	3.00	2.99
22.3500	2.98	2.97	2.97	2.96	2.95
22.4750	2.94	2.94	2.93	2.92	2.91
22.6000	2.91	2.90	2.89	2.89	2.88
22.7250	2.87	2.87	2.86	2.85	2.84
22.8500	2.83	2.82	2.82	2.81	2.80
22.9750	2.79	2.79	2.78	2.77	2.76
23.1000	2.75	2.75	2.74	2.73	2.72
23.2250	2.71	2.70	2.70	2.69	2.68
23.3500	2.68	2.67	2.66	2.65	2.65
23.4750	2.64	2.63	2.63	2.62	2.61
23.6000	2.60	2.59	2.58	2.58	2.57

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.7250	2.56	2.55	2.55	2.54	2.53
23.8500	2.52	2.51	2.51	2.50	2.49
23.9750	2.48	2.47	2.44	2.38	2.29
24.1000	2.13	1.94	1.71	1.46	1.22
24.2250	1.00	.81	.64	.51	.41
24.3500	.33	.26	.21	.17	.13
24.4750	.11	.09	.07	.06	.04
24.6000	.03	.03	.02	.02	.01
24.7250	.01	.01	.01	.00	.00
24.8500	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. C 25
 Tc = .2795 hrs
 Drainage Area = 63.100 acres Runoff CN= 73
 Calc.Increment= .03727 hrs Out.Incr.= .0250 hrs
 HYG Volume = 803536 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.0500	.00	.00	.01	.01	.02
8.1750	.03	.04	.06	.07	.09
8.3000	.12	.14	.16	.19	.22
8.4250	.25	.28	.31	.34	.37
8.5500	.41	.44	.48	.51	.55
8.6750	.59	.63	.67	.71	.75
8.8000	.79	.83	.87	.92	.96
8.9250	1.01	1.06	1.10	1.15	1.20
9.0500	1.25	1.30	1.35	1.41	1.46
9.1750	1.51	1.57	1.62	1.68	1.74
9.3000	1.79	1.85	1.91	1.97	2.03
9.4250	2.09	2.16	2.22	2.28	2.35
9.5500	2.41	2.48	2.55	2.62	2.68
9.6750	2.75	2.82	2.90	2.97	3.04
9.8000	3.11	3.19	3.26	3.34	3.41
9.9250	3.49	3.57	3.65	3.73	3.81
10.0500	3.89	3.97	4.06	4.15	4.24
10.1750	4.33	4.44	4.54	4.65	4.76
10.3000	4.87	4.99	5.11	5.23	5.35
10.4250	5.48	5.61	5.74	5.87	6.01
10.5500	6.15	6.29	6.43	6.57	6.72
10.6750	6.87	7.02	7.17	7.32	7.48
10.8000	7.63	7.79	7.95	8.12	8.28
10.9250	8.45	8.62	8.79	8.96	9.13
11.0500	9.32	9.52	9.73	9.96	10.21
11.1750	10.49	10.80	11.13	11.49	11.87
11.3000	12.27	12.69	13.14	13.59	14.06
11.4250	14.56	15.06	15.57	16.12	16.73
11.5500	17.42	18.29	19.32	20.60	22.26
11.6750	24.19	26.47	29.31	32.41	35.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
11.8000	39.78	43.99	48.52	53.37	58.67
11.9250	64.57	72.21	81.27	92.00	105.41
12.0500	119.56	134.41	148.55	161.25	172.38
12.1750	178.34	181.12	180.70	175.57	169.16
12.3000	161.49	152.72	144.04	135.47	127.59
12.4250	119.94	112.51	105.41	98.40	91.49
12.5500	84.85	78.50	72.42	66.87	61.75
12.6750	57.01	53.02	49.50	46.35	43.78
12.8000	41.53	39.52	37.85	36.35	34.97
12.9250	33.76	32.65	31.61	30.66	29.76
13.0500	28.91	28.13	27.40	26.71	26.08
13.1750	25.52	25.00	24.55	24.15	23.79
13.3000	23.47	23.18	22.91	22.66	22.43
13.4250	22.21	21.99	21.79	21.58	21.39
13.5500	21.19	21.00	20.81	20.63	20.44
13.6750	20.25	20.07	19.88	19.70	19.51
13.8000	19.33	19.14	18.96	18.77	18.59
13.9250	18.40	18.22	18.03	17.85	17.66
14.0500	17.47	17.29	17.12	16.95	16.79
14.1750	16.63	16.49	16.36	16.23	16.11
14.3000	16.00	15.89	15.79	15.69	15.59
14.4250	15.49	15.39	15.30	15.21	15.12
14.5500	15.03	14.94	14.84	14.75	14.66
14.6750	14.57	14.48	14.39	14.30	14.21
14.8000	14.12	14.03	13.94	13.85	13.76
14.9250	13.67	13.58	13.48	13.39	13.30
15.0500	13.21	13.12	13.03	12.94	12.84
15.1750	12.75	12.66	12.57	12.48	12.38
15.3000	12.29	12.20	12.10	12.01	11.92
15.4250	11.83	11.73	11.64	11.55	11.45
15.5500	11.36	11.27	11.17	11.08	10.98
15.6750	10.89	10.80	10.70	10.61	10.51
15.8000	10.42	10.33	10.23	10.14	10.04
15.9250	9.95	9.85	9.76	9.66	9.57
16.0500	9.48	9.39	9.30	9.22	9.14
16.1750	9.06	8.99	8.92	8.86	8.80
16.3000	8.75	8.69	8.65	8.60	8.55
16.4250	8.51	8.46	8.42	8.37	8.33
16.5500	8.29	8.25	8.20	8.16	8.12
16.6750	8.08	8.04	8.00	7.96	7.92
16.8000	7.87	7.83	7.79	7.75	7.71
16.9250	7.67	7.63	7.58	7.54	7.50
17.0500	7.46	7.42	7.38	7.34	7.29
17.1750	7.25	7.21	7.17	7.13	7.09
17.3000	7.04	7.00	6.96	6.92	6.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
17.4250	6.84	6.79	6.75	6.71	6.67
17.5500	6.63	6.59	6.54	6.50	6.46
17.6750	6.42	6.38	6.33	6.29	6.25
17.8000	6.21	6.17	6.12	6.08	6.04
17.9250	6.00	5.96	5.91	5.87	5.83
18.0500	5.79	5.75	5.71	5.67	5.63
18.1750	5.60	5.58	5.55	5.53	5.51
18.3000	5.49	5.47	5.45	5.44	5.42
18.4250	5.41	5.39	5.38	5.37	5.35
18.5500	5.34	5.33	5.31	5.30	5.29
18.6750	5.28	5.26	5.25	5.24	5.23
18.8000	5.21	5.20	5.19	5.18	5.16
18.9250	5.15	5.14	5.13	5.11	5.10
19.0500	5.09	5.08	5.06	5.05	5.04
19.1750	5.03	5.01	5.00	4.99	4.98
19.3000	4.97	4.95	4.94	4.93	4.92
19.4250	4.90	4.89	4.88	4.87	4.85
19.5500	4.84	4.83	4.82	4.80	4.79
19.6750	4.78	4.77	4.75	4.74	4.73
19.8000	4.72	4.70	4.69	4.68	4.67
19.9250	4.65	4.64	4.63	4.61	4.60
20.0500	4.59	4.58	4.57	4.55	4.54
20.1750	4.53	4.52	4.51	4.50	4.49
20.3000	4.48	4.47	4.46	4.45	4.44
20.4250	4.43	4.42	4.41	4.40	4.39
20.5500	4.38	4.37	4.36	4.35	4.34
20.6750	4.33	4.32	4.31	4.30	4.29
20.8000	4.28	4.27	4.26	4.26	4.25
20.9250	4.24	4.23	4.22	4.21	4.20
21.0500	4.19	4.19	4.18	4.17	4.16
21.1750	4.15	4.14	4.13	4.12	4.11
21.3000	4.10	4.09	4.08	4.07	4.06
21.4250	4.05	4.04	4.03	4.02	4.01
21.5500	4.00	3.99	3.98	3.97	3.96
21.6750	3.95	3.94	3.93	3.93	3.92
21.8000	3.91	3.90	3.89	3.88	3.87
21.9250	3.87	3.86	3.85	3.84	3.82
22.0500	3.81	3.80	3.79	3.78	3.78
22.1750	3.77	3.76	3.75	3.74	3.73
22.3000	3.72	3.71	3.70	3.68	3.67
22.4250	3.67	3.66	3.65	3.64	3.63
22.5500	3.62	3.61	3.60	3.59	3.59
22.6750	3.58	3.57	3.56	3.55	3.54
22.8000	3.53	3.52	3.51	3.50	3.49
22.9250	3.48	3.47	3.46	3.45	3.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.0500	3.43	3.42	3.41	3.40	3.39
23.1750	3.38	3.37	3.36	3.35	3.34
23.3000	3.33	3.32	3.31	3.30	3.30
23.4250	3.29	3.28	3.27	3.26	3.25
23.5500	3.24	3.23	3.22	3.21	3.20
23.6750	3.19	3.18	3.17	3.16	3.15
23.8000	3.14	3.13	3.12	3.11	3.10
23.9250	3.09	3.08	3.07	3.06	3.02
24.0500	2.95	2.84	2.64	2.40	2.11
24.1750	1.81	1.52	1.24	1.00	.80
24.3000	.63	.51	.41	.33	.26
24.4250	.21	.17	.13	.11	.08
24.5500	.07	.05	.04	.03	.03
24.6750	.02	.02	.01	.01	.01
24.8000	.00	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. C 50
 Tc = .2795 hrs
 Drainage Area = 63.100 acres Runoff CN= 73
 Calc.Increment= .03727 hrs Out.Incr.= .0250 hrs
 HYG Volume = 901436 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.7250	.00	.00	.01	.01	.02
7.8500	.03	.04	.05	.07	.09
7.9750	.11	.13	.16	.18	.20
8.1000	.23	.26	.28	.31	.34
8.2250	.37	.40	.44	.47	.50
8.3500	.54	.57	.61	.65	.69
8.4750	.72	.76	.80	.85	.89
8.6000	.93	.98	1.02	1.07	1.11
8.7250	1.16	1.21	1.26	1.31	1.36
8.8500	1.41	1.46	1.52	1.57	1.63
8.9750	1.68	1.74	1.80	1.86	1.92
9.1000	1.98	2.04	2.10	2.16	2.23
9.2250	2.29	2.36	2.42	2.49	2.56
9.3500	2.63	2.70	2.77	2.84	2.91
9.4750	2.98	3.06	3.13	3.21	3.29
9.6000	3.36	3.44	3.52	3.60	3.68
9.7250	3.76	3.85	3.93	4.01	4.10
9.8500	4.18	4.27	4.36	4.44	4.53
9.9750	4.62	4.71	4.81	4.90	5.00
10.1000	5.09	5.19	5.30	5.41	5.52
10.2250	5.64	5.76	5.89	6.02	6.16
10.3500	6.30	6.44	6.58	6.72	6.87
10.4750	7.02	7.18	7.33	7.49	7.65
10.6000	7.81	7.98	8.14	8.31	8.48
10.7250	8.65	8.83	9.00	9.18	9.36
10.8500	9.54	9.73	9.91	10.10	10.29
10.9750	10.48	10.68	10.88	11.09	11.31
11.1000	11.55	11.82	12.10	12.42	12.77
11.2250	13.14	13.56	13.99	14.45	14.94
11.3500	15.45	15.97	16.50	17.06	17.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
11.4750	18.22	18.85	19.54	20.33	21.32
11.6000	22.50	23.96	25.86	28.06	30.68
11.7250	33.91	37.46	41.37	45.84	50.62
11.8500	55.75	61.23	67.21	73.85	82.43
11.9750	92.59	104.62	119.63	135.43	151.97
12.1000	167.66	181.71	193.97	200.40	203.28
12.2250	202.58	196.63	189.27	180.52	170.58
12.3500	160.76	151.08	142.19	133.58	125.22
12.4750	117.26	109.41	101.67	94.25	87.16
12.6000	80.38	74.19	68.49	63.21	58.77
12.7250	54.85	51.35	48.49	45.98	43.75
12.8500	41.89	40.22	38.69	37.34	36.11
12.9750	34.95	33.89	32.90	31.96	31.09
13.1000	30.28	29.51	28.81	28.19	27.62
13.2250	27.12	26.68	26.27	25.92	25.60
13.3500	25.30	25.02	24.76	24.51	24.27
13.4750	24.05	23.82	23.60	23.39	23.18
13.6000	22.97	22.76	22.55	22.34	22.14
13.7250	21.93	21.72	21.52	21.32	21.11
13.8500	20.90	20.70	20.50	20.29	20.08
13.9750	19.88	19.67	19.47	19.26	19.06
14.1000	18.87	18.68	18.50	18.33	18.17
14.2250	18.03	17.89	17.75	17.63	17.51
14.3500	17.39	17.28	17.17	17.06	16.96
14.4750	16.85	16.75	16.65	16.55	16.45
14.6000	16.35	16.25	16.15	16.05	15.95
14.7250	15.85	15.74	15.64	15.54	15.44
14.8500	15.35	15.25	15.15	15.04	14.94
14.9750	14.84	14.74	14.64	14.54	14.44
15.1000	14.34	14.24	14.13	14.03	13.93
15.2250	13.83	13.73	13.63	13.52	13.42
15.3500	13.32	13.21	13.11	13.01	12.91
15.4750	12.80	12.70	12.60	12.50	12.39
15.6000	12.29	12.19	12.08	11.98	11.87
15.7250	11.77	11.67	11.56	11.46	11.35
15.8500	11.25	11.15	11.04	10.94	10.83
15.9750	10.73	10.62	10.52	10.42	10.32
16.1000	10.22	10.13	10.05	9.96	9.89
16.2250	9.81	9.74	9.68	9.61	9.56
16.3500	9.50	9.45	9.40	9.35	9.30
16.4750	9.25	9.20	9.16	9.11	9.06
16.6000	9.02	8.97	8.92	8.88	8.83
16.7250	8.79	8.74	8.70	8.65	8.61
16.8500	8.56	8.51	8.47	8.42	8.38
16.9750	8.33	8.29	8.24	8.20	8.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
17.1000	8.10	8.06	8.01	7.97	7.92
17.2250	7.88	7.83	7.78	7.74	7.69
17.3500	7.65	7.60	7.56	7.51	7.46
17.4750	7.42	7.37	7.32	7.28	7.23
17.6000	7.19	7.14	7.09	7.05	7.00
17.7250	6.96	6.91	6.87	6.82	6.77
17.8500	6.73	6.68	6.63	6.59	6.54
17.9750	6.49	6.45	6.40	6.36	6.31
18.1000	6.27	6.23	6.19	6.15	6.12
18.2250	6.09	6.07	6.05	6.02	6.00
18.3500	5.99	5.97	5.95	5.94	5.92
18.4750	5.91	5.89	5.88	5.86	5.85
18.6000	5.83	5.82	5.80	5.79	5.78
18.7250	5.76	5.75	5.74	5.72	5.71
18.8500	5.69	5.68	5.67	5.65	5.64
18.9750	5.63	5.61	5.60	5.59	5.57
19.1000	5.56	5.54	5.53	5.52	5.50
19.2250	5.49	5.48	5.46	5.45	5.44
19.3500	5.42	5.41	5.39	5.38	5.37
19.4750	5.35	5.34	5.33	5.31	5.30
19.6000	5.28	5.27	5.26	5.24	5.23
19.7250	5.22	5.20	5.19	5.17	5.16
19.8500	5.15	5.13	5.12	5.11	5.09
19.9750	5.08	5.06	5.05	5.04	5.02
20.1000	5.01	4.99	4.98	4.97	4.96
20.2250	4.95	4.94	4.93	4.92	4.91
20.3500	4.90	4.88	4.87	4.86	4.85
20.4750	4.84	4.83	4.82	4.81	4.80
20.6000	4.79	4.78	4.77	4.75	4.74
20.7250	4.73	4.72	4.71	4.70	4.69
20.8500	4.68	4.67	4.66	4.65	4.64
20.9750	4.63	4.62	4.61	4.60	4.59
21.1000	4.58	4.57	4.56	4.55	4.54
21.2250	4.53	4.52	4.51	4.49	4.48
21.3500	4.47	4.46	4.45	4.44	4.43
21.4750	4.42	4.41	4.40	4.39	4.38
21.6000	4.36	4.35	4.34	4.33	4.33
21.7250	4.32	4.30	4.29	4.29	4.28
21.8500	4.27	4.26	4.25	4.24	4.23
21.9750	4.22	4.21	4.19	4.18	4.17
22.1000	4.16	4.15	4.14	4.13	4.12
22.2250	4.11	4.10	4.09	4.08	4.06
22.3500	4.05	4.04	4.03	4.02	4.01
22.4750	4.00	3.99	3.98	3.97	3.96
22.6000	3.95	3.94	3.93	3.92	3.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
22.7250	3.90	3.89	3.88	3.87	3.86
22.8500	3.85	3.83	3.82	3.81	3.80
22.9750	3.79	3.78	3.77	3.76	3.75
23.1000	3.74	3.73	3.71	3.70	3.69
23.2250	3.68	3.67	3.66	3.65	3.64
23.3500	3.63	3.62	3.61	3.60	3.59
23.4750	3.58	3.58	3.56	3.55	3.54
23.6000	3.53	3.52	3.51	3.50	3.49
23.7250	3.47	3.46	3.45	3.44	3.43
23.8500	3.42	3.41	3.40	3.39	3.38
23.9750	3.36	3.35	3.31	3.23	3.11
24.1000	2.89	2.63	2.31	1.98	1.66
24.2250	1.35	1.10	.87	.69	.56
24.3500	.45	.36	.29	.23	.18
24.4750	.15	.12	.09	.07	.06
24.6000	.05	.04	.03	.02	.02
24.7250	.01	.01	.01	.00	.00
24.8500	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. C 100

Tc = .2795 hrs

Drainage Area = 63.100 acres Runoff CN= 73

Calc.Increment= .03727 hrs Out.Incr.= .0250 hrs

HYG Volume = 1000927 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

7.4250	.00	.00	.01	.01	.02
7.5500	.03	.04	.05	.07	.09
7.6750	.11	.13	.16	.18	.21
7.8000	.23	.26	.29	.31	.34
7.9250	.37	.40	.43	.46	.49
8.0500	.52	.55	.59	.62	.65
8.1750	.69	.72	.76	.80	.84
8.3000	.88	.92	.96	1.00	1.04
8.4250	1.09	1.13	1.18	1.23	1.28
8.5500	1.33	1.38	1.43	1.48	1.53
8.6750	1.59	1.64	1.70	1.75	1.81
8.8000	1.87	1.93	1.99	2.05	2.11
8.9250	2.18	2.24	2.31	2.37	2.44
9.0500	2.51	2.58	2.64	2.72	2.79
9.1750	2.86	2.93	3.01	3.08	3.16
9.3000	3.23	3.31	3.39	3.47	3.55
9.4250	3.63	3.72	3.80	3.88	3.97
9.5500	4.06	4.14	4.23	4.32	4.41
9.6750	4.50	4.59	4.68	4.78	4.87
9.8000	4.96	5.06	5.16	5.25	5.35
9.9250	5.45	5.55	5.65	5.75	5.86
10.0500	5.96	6.07	6.18	6.29	6.41
10.1750	6.53	6.66	6.80	6.94	7.08
10.3000	7.23	7.38	7.54	7.70	7.86
10.4250	8.03	8.19	8.36	8.54	8.71
10.5500	8.89	9.07	9.25	9.44	9.63
10.6750	9.82	10.01	10.20	10.39	10.59
10.8000	10.79	10.99	11.20	11.40	11.61
10.9250	11.82	12.03	12.25	12.46	12.69
11.0500	12.92	13.17	13.44	13.74	14.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
11.1750	14.41	14.81	15.23	15.70	16.19
11.3000	16.71	17.26	17.83	18.42	19.02
11.4250	19.65	20.29	20.95	21.65	22.43
11.5500	23.32	24.43	25.76	27.41	29.55
11.6750	32.04	34.99	38.64	42.63	47.03
11.8000	52.05	57.41	63.15	69.26	75.93
11.9250	83.32	92.85	104.12	117.46	134.07
12.0500	151.53	169.78	187.02	202.42	215.80
12.1750	222.70	225.66	224.66	217.88	209.55
12.3000	199.70	188.57	177.59	166.79	156.88
12.4250	147.30	138.00	129.17	120.47	111.90
12.5500	103.69	95.86	88.38	81.55	75.25
12.6750	69.43	64.54	60.22	56.36	53.21
12.8000	50.45	47.99	45.94	44.10	42.42
12.9250	40.93	39.57	38.30	37.14	36.05
13.0500	35.01	34.05	33.16	32.32	31.55
13.1750	30.87	30.24	29.69	29.20	28.76
13.3000	28.37	28.01	27.68	27.38	27.10
13.4250	26.82	26.56	26.31	26.06	25.82
13.5500	25.58	25.35	25.12	24.89	24.66
13.6750	24.44	24.21	23.98	23.75	23.53
13.8000	23.31	23.08	22.85	22.63	22.40
13.9250	22.18	21.95	21.73	21.50	21.27
14.0500	21.05	20.83	20.62	20.41	20.22
14.1750	20.03	19.85	19.69	19.54	19.40
14.3000	19.26	19.13	19.00	18.88	18.76
14.4250	18.64	18.52	18.41	18.29	18.18
14.5500	18.07	17.96	17.85	17.74	17.63
14.6750	17.52	17.41	17.30	17.19	17.08
14.8000	16.97	16.86	16.75	16.64	16.53
14.9250	16.42	16.31	16.20	16.09	15.98
15.0500	15.87	15.76	15.65	15.53	15.42
15.1750	15.31	15.20	15.09	14.98	14.87
15.3000	14.75	14.64	14.53	14.42	14.30
15.4250	14.19	14.08	13.97	13.86	13.74
15.5500	13.63	13.52	13.40	13.29	13.18
15.6750	13.06	12.95	12.84	12.72	12.61
15.8000	12.50	12.38	12.27	12.16	12.04
15.9250	11.93	11.81	11.70	11.58	11.47
16.0500	11.36	11.25	11.15	11.05	10.95
16.1750	10.86	10.78	10.70	10.62	10.55
16.3000	10.48	10.42	10.36	10.30	10.25
16.4250	10.19	10.14	10.08	10.03	9.98
16.5500	9.93	9.88	9.83	9.78	9.73
16.6750	9.68	9.63	9.58	9.53	9.48

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8000	9.43	9.38	9.33	9.28	9.23
16.9250	9.18	9.13	9.08	9.03	8.98
17.0500	8.93	8.88	8.83	8.78	8.73
17.1750	8.68	8.63	8.58	8.53	8.48
17.3000	8.43	8.38	8.33	8.28	8.23
17.4250	8.18	8.13	8.08	8.03	7.98
17.5500	7.93	7.88	7.83	7.78	7.73
17.6750	7.68	7.63	7.58	7.53	7.48
17.8000	7.43	7.38	7.33	7.27	7.22
17.9250	7.17	7.12	7.07	7.02	6.97
18.0500	6.92	6.87	6.83	6.78	6.74
18.1750	6.70	6.67	6.64	6.61	6.58
18.3000	6.56	6.54	6.52	6.50	6.48
18.4250	6.46	6.45	6.43	6.41	6.40
18.5500	6.38	6.37	6.35	6.34	6.32
18.6750	6.31	6.29	6.28	6.26	6.25
18.8000	6.23	6.22	6.20	6.19	6.17
18.9250	6.16	6.14	6.13	6.11	6.10
19.0500	6.08	6.07	6.05	6.04	6.02
19.1750	6.01	5.99	5.98	5.96	5.95
19.3000	5.93	5.92	5.90	5.89	5.87
19.4250	5.86	5.84	5.83	5.81	5.80
19.5500	5.78	5.77	5.75	5.74	5.72
19.6750	5.71	5.69	5.68	5.66	5.65
19.8000	5.63	5.62	5.60	5.59	5.57
19.9250	5.56	5.54	5.53	5.51	5.50
20.0500	5.48	5.47	5.45	5.44	5.42
20.1750	5.41	5.40	5.38	5.37	5.36
20.3000	5.35	5.34	5.33	5.31	5.30
20.4250	5.29	5.28	5.26	5.25	5.24
20.5500	5.23	5.22	5.21	5.20	5.19
20.6750	5.17	5.16	5.15	5.14	5.12
20.8000	5.11	5.10	5.09	5.08	5.07
20.9250	5.06	5.05	5.04	5.03	5.02
21.0500	5.01	5.00	4.99	4.98	4.96
21.1750	4.95	4.94	4.93	4.91	4.90
21.3000	4.89	4.88	4.87	4.86	4.85
21.4250	4.84	4.82	4.81	4.80	4.79
21.5500	4.77	4.76	4.75	4.74	4.73
21.6750	4.72	4.71	4.69	4.68	4.67
21.8000	4.66	4.65	4.64	4.63	4.62
21.9250	4.61	4.60	4.59	4.57	4.56
22.0500	4.55	4.54	4.53	4.51	4.50
22.1750	4.49	4.48	4.47	4.46	4.45
22.3000	4.43	4.42	4.41	4.39	4.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4250	4.37	4.36	4.35	4.34	4.33
22.5500	4.32	4.31	4.30	4.29	4.28
22.6750	4.27	4.26	4.25	4.23	4.22
22.8000	4.21	4.20	4.18	4.17	4.16
22.9250	4.15	4.14	4.13	4.11	4.10
23.0500	4.09	4.08	4.07	4.05	4.04
23.1750	4.03	4.02	4.00	3.99	3.98
23.3000	3.97	3.96	3.95	3.94	3.93
23.4250	3.92	3.91	3.90	3.89	3.88
23.5500	3.87	3.85	3.84	3.83	3.81
23.6750	3.80	3.79	3.78	3.77	3.76
23.8000	3.75	3.73	3.72	3.71	3.70
23.9250	3.68	3.67	3.66	3.64	3.60
24.0500	3.51	3.38	3.15	2.86	2.52
24.1750	2.16	1.81	1.47	1.19	.95
24.3000	.75	.61	.49	.39	.31
24.4250	.25	.20	.16	.13	.10
24.5500	.08	.06	.05	.04	.03
24.6750	.02	.02	.01	.01	.01
24.8000	.01	.00	.00	.00	

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .020000 ft/ft

Avg.Velocity .08 ft/sec

Segment #1 Time: .3422 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 455.00 ft
Slope .080000 ft/ft
Unpaved

Avg.Velocity 4.56 ft/sec

Segment #2 Time: .0277 hrs

=====
Total Tc: .3699 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. D

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	61	11.200			61.00

COMPOSITE AREA & WEIGHTED CN ---> 11.200 61.00 (61)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. D 2
 Tc = .3699 hrs
 Drainage Area = 11.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 23287 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

11.7750	.00	.00	.00	.01	.02
11.9000	.04	.07	.13	.20	.32
12.0250	.48	.69	.94	1.24	1.56
12.1500	1.90	2.25	2.56	2.86	3.08
12.2750	3.28	3.40	3.50	3.53	3.54
12.4000	3.51	3.46	3.38	3.30	3.20
12.5250	3.09	2.97	2.84	2.71	2.57
12.6500	2.44	2.30	2.18	2.06	1.95
12.7750	1.85	1.76	1.67	1.61	1.54
12.9000	1.48	1.43	1.38	1.34	1.30
13.0250	1.26	1.22	1.19	1.16	1.13
13.1500	1.10	1.07	1.05	1.03	1.01
13.2750	.99	.98	.96	.95	.94
13.4000	.93	.92	.91	.90	.89
13.5250	.88	.88	.87	.86	.86
13.6500	.85	.84	.84	.83	.83
13.7750	.82	.81	.81	.80	.79
13.9000	.79	.78	.78	.77	.76
14.0250	.76	.75	.74	.74	.73
14.1500	.73	.72	.71	.71	.70
14.2750	.70	.69	.69	.69	.68
14.4000	.68	.67	.67	.67	.66
14.5250	.66	.66	.65	.65	.65
14.6500	.65	.64	.64	.64	.63
14.7750	.63	.63	.62	.62	.62
14.9000	.61	.61	.61	.60	.60
15.0250	.60	.59	.59	.59	.58
15.1500	.58	.58	.57	.57	.57
15.2750	.56	.56	.55	.55	.55
15.4000	.54	.54	.54	.53	.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5250	.53	.52	.52	.51	.51
15.6500	.51	.50	.50	.50	.49
15.7750	.49	.48	.48	.48	.47
15.9000	.47	.46	.46	.46	.45
16.0250	.45	.44	.44	.44	.43
16.1500	.43	.43	.42	.42	.42
16.2750	.41	.41	.41	.41	.40
16.4000	.40	.40	.40	.40	.39
16.5250	.39	.39	.39	.39	.38
16.6500	.38	.38	.38	.38	.38
16.7750	.37	.37	.37	.37	.37
16.9000	.36	.36	.36	.36	.36
17.0250	.36	.35	.35	.35	.35
17.1500	.35	.35	.34	.34	.34
17.2750	.34	.34	.33	.33	.33
17.4000	.33	.33	.33	.32	.32
17.5250	.32	.32	.32	.32	.31
17.6500	.31	.31	.31	.31	.30
17.7750	.30	.30	.30	.30	.29
17.9000	.29	.29	.29	.29	.29
18.0250	.28	.28	.28	.28	.28
18.1500	.27	.27	.27	.27	.27
18.2750	.27	.27	.27	.26	.26
18.4000	.26	.26	.26	.26	.26
18.5250	.26	.26	.26	.26	.26
18.6500	.26	.26	.25	.25	.25
18.7750	.25	.25	.25	.25	.25
18.9000	.25	.25	.25	.25	.25
19.0250	.25	.25	.25	.25	.25
19.1500	.25	.24	.24	.24	.24
19.2750	.24	.24	.24	.24	.24
19.4000	.24	.24	.24	.24	.24
19.5250	.24	.24	.24	.24	.24
19.6500	.23	.23	.23	.23	.23
19.7750	.23	.23	.23	.23	.23
19.9000	.23	.23	.23	.23	.23
20.0250	.23	.23	.23	.22	.22
20.1500	.22	.22	.22	.22	.22
20.2750	.22	.22	.22	.22	.22
20.4000	.22	.22	.22	.22	.22
20.5250	.22	.22	.22	.22	.22
20.6500	.22	.21	.21	.21	.21
20.7750	.21	.21	.21	.21	.21
20.9000	.21	.21	.21	.21	.21
21.0250	.21	.21	.21	.21	.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1500	.21	.21	.21	.21	.21
21.2750	.20	.20	.20	.20	.20
21.4000	.20	.20	.20	.20	.20
21.5250	.20	.20	.20	.20	.20
21.6500	.20	.20	.20	.20	.20
21.7750	.20	.20	.20	.19	.19
21.9000	.19	.19	.19	.19	.19
22.0250	.19	.19	.19	.19	.19
22.1500	.19	.19	.19	.19	.19
22.2750	.19	.19	.19	.19	.19
22.4000	.19	.18	.18	.18	.18
22.5250	.18	.18	.18	.18	.18
22.6500	.18	.18	.18	.18	.18
22.7750	.18	.18	.18	.18	.18
22.9000	.18	.18	.18	.18	.17
23.0250	.17	.17	.17	.17	.17
23.1500	.17	.17	.17	.17	.17
23.2750	.17	.17	.17	.17	.17
23.4000	.17	.17	.17	.17	.17
23.5250	.17	.16	.16	.16	.16
23.6500	.16	.16	.16	.16	.16
23.7750	.16	.16	.16	.16	.16
23.9000	.16	.16	.16	.16	.16
24.0250	.15	.15	.15	.14	.14
24.1500	.13	.12	.11	.10	.08
24.2750	.07	.06	.05	.04	.04
24.4000	.03	.03	.02	.02	.02
24.5250	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7750	.00	.00	.00	.00	.00
24.9000	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. D 10
 Tc = .3699 hrs
 Drainage Area = 11.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 68252 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
10.8250	.00	.00	.00	.00	.01
10.9500	.01	.01	.02	.03	.03
11.0750	.04	.05	.06	.07	.09
11.2000	.10	.11	.13	.15	.16
11.3250	.18	.20	.23	.25	.27
11.4500	.30	.33	.36	.39	.42
11.5750	.46	.51	.56	.62	.70
11.7000	.79	.90	1.03	1.18	1.36
11.8250	1.56	1.79	2.04	2.35	2.70
11.9500	3.13	3.63	4.26	4.98	5.85
12.0750	6.81	7.83	8.88	9.88	10.85
12.2000	11.61	12.28	12.67	12.95	12.97
12.3250	12.91	12.67	12.38	11.99	11.56
12.4500	11.10	10.62	10.14	9.65	9.15
12.5750	8.65	8.16	7.66	7.20	6.74
12.7000	6.33	5.92	5.57	5.23	4.96
12.8250	4.69	4.47	4.25	4.07	3.90
12.9500	3.76	3.61	3.49	3.37	3.26
13.0750	3.16	3.07	2.98	2.89	2.82
13.2000	2.75	2.68	2.63	2.57	2.53
13.3250	2.48	2.45	2.41	2.38	2.35
13.4500	2.32	2.30	2.27	2.25	2.23
13.5750	2.21	2.19	2.17	2.15	2.13
13.7000	2.11	2.10	2.08	2.06	2.04
13.8250	2.02	2.01	1.99	1.97	1.95
13.9500	1.94	1.92	1.90	1.88	1.86
14.0750	1.85	1.83	1.81	1.80	1.78
14.2000	1.76	1.75	1.74	1.72	1.71
14.3250	1.70	1.69	1.68	1.66	1.65
14.4500	1.64	1.63	1.63	1.62	1.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
14.5750	1.60	1.59	1.58	1.57	1.56
14.7000	1.55	1.54	1.54	1.53	1.52
14.8250	1.51	1.50	1.49	1.48	1.47
14.9500	1.46	1.46	1.45	1.44	1.43
15.0750	1.42	1.41	1.40	1.39	1.38
15.2000	1.37	1.37	1.36	1.35	1.34
15.3250	1.33	1.32	1.31	1.30	1.29
15.4500	1.28	1.27	1.26	1.25	1.24
15.5750	1.23	1.22	1.22	1.21	1.20
15.7000	1.19	1.18	1.17	1.16	1.15
15.8250	1.14	1.13	1.12	1.11	1.10
15.9500	1.09	1.08	1.07	1.06	1.05
16.0750	1.04	1.03	1.02	1.01	1.00
16.2000	1.00	.99	.98	.97	.97
16.3250	.96	.95	.95	.94	.94
16.4500	.93	.93	.92	.92	.91
16.5750	.91	.90	.90	.90	.89
16.7000	.89	.88	.88	.87	.87
16.8250	.86	.86	.86	.85	.85
16.9500	.84	.84	.83	.83	.83
17.0750	.82	.82	.81	.81	.80
17.2000	.80	.80	.79	.79	.78
17.3250	.78	.77	.77	.76	.76
17.4500	.76	.75	.75	.74	.74
17.5750	.73	.73	.73	.72	.72
17.7000	.71	.71	.70	.70	.69
17.8250	.69	.68	.68	.68	.67
17.9500	.67	.66	.66	.65	.65
18.0750	.64	.64	.64	.63	.63
18.2000	.62	.62	.62	.61	.61
18.3250	.61	.61	.61	.60	.60
18.4500	.60	.60	.60	.59	.59
18.5750	.59	.59	.59	.59	.59
18.7000	.58	.58	.58	.58	.58
18.8250	.58	.58	.58	.57	.57
18.9500	.57	.57	.57	.57	.57
19.0750	.57	.56	.56	.56	.56
19.2000	.56	.56	.56	.55	.55
19.3250	.55	.55	.55	.55	.55
19.4500	.55	.54	.54	.54	.54
19.5750	.54	.54	.54	.54	.53
19.7000	.53	.53	.53	.53	.53
19.8250	.53	.52	.52	.52	.52
19.9500	.52	.52	.52	.52	.51
20.0750	.51	.51	.51	.51	.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
20.2000	.51	.51	.50	.50	.50
20.3250	.50	.50	.50	.50	.50
20.4500	.50	.49	.49	.49	.49
20.5750	.49	.49	.49	.49	.49
20.7000	.49	.48	.48	.48	.48
20.8250	.48	.48	.48	.48	.48
20.9500	.47	.47	.47	.47	.47
21.0750	.47	.47	.47	.47	.47
21.2000	.47	.46	.46	.46	.46
21.3250	.46	.46	.46	.46	.46
21.4500	.46	.45	.45	.45	.45
21.5750	.45	.45	.45	.45	.45
21.7000	.44	.44	.44	.44	.44
21.8250	.44	.44	.44	.44	.44
21.9500	.44	.43	.43	.43	.43
22.0750	.43	.43	.43	.43	.43
22.2000	.42	.42	.42	.42	.42
22.3250	.42	.42	.42	.42	.41
22.4500	.41	.41	.41	.41	.41
22.5750	.41	.41	.41	.41	.40
22.7000	.40	.40	.40	.40	.40
22.8250	.40	.40	.40	.40	.39
22.9500	.39	.39	.39	.39	.39
23.0750	.39	.39	.39	.38	.38
23.2000	.38	.38	.38	.38	.38
23.3250	.38	.38	.38	.37	.37
23.4500	.37	.37	.37	.37	.37
23.5750	.37	.37	.37	.36	.36
23.7000	.36	.36	.36	.36	.36
23.8250	.36	.36	.35	.35	.35
23.9500	.35	.35	.35	.34	.34
24.0750	.33	.32	.30	.28	.26
24.2000	.24	.21	.19	.16	.14
24.3250	.12	.10	.08	.07	.06
24.4500	.05	.04	.04	.03	.03
24.5750	.02	.02	.02	.01	.01
24.7000	.01	.01	.01	.01	.00
24.8250	.00	.00	.00	.00	.00
24.9500	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. D 25
 Tc = .3699 hrs
 Drainage Area = 11.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 95428 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
10.2250	.00	.00	.00	.00	.01
10.3500	.01	.01	.02	.02	.03
10.4750	.04	.04	.05	.06	.07
10.6000	.08	.10	.11	.12	.13
10.7250	.15	.16	.17	.19	.20
10.8500	.22	.23	.25	.27	.28
10.9750	.30	.32	.33	.35	.37
11.1000	.39	.41	.43	.46	.48
11.2250	.51	.53	.56	.59	.63
11.3500	.66	.70	.74	.78	.82
11.4750	.87	.91	.97	1.02	1.09
11.6000	1.16	1.25	1.35	1.48	1.63
11.7250	1.82	2.03	2.27	2.56	2.88
11.8500	3.24	3.63	4.10	4.63	5.27
11.9750	6.01	6.93	7.97	9.21	10.57
12.1000	11.99	13.46	14.82	16.13	17.13
12.2250	18.00	18.45	18.75	18.68	18.50
12.3500	18.08	17.59	16.96	16.30	15.59
12.4750	14.88	14.16	13.44	12.71	11.99
12.6000	11.28	10.58	9.92	9.26	8.69
12.7250	8.11	7.63	7.15	6.77	6.38
12.8500	6.08	5.78	5.53	5.29	5.09
12.9750	4.89	4.72	4.55	4.40	4.26
13.1000	4.13	4.00	3.89	3.78	3.69
13.2250	3.60	3.52	3.45	3.38	3.33
13.3500	3.27	3.23	3.18	3.14	3.10
13.4750	3.07	3.04	3.01	2.98	2.95
13.6000	2.92	2.89	2.87	2.84	2.82
13.7250	2.79	2.77	2.74	2.72	2.69
13.8500	2.67	2.64	2.62	2.60	2.57

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9750	2.55	2.52	2.50	2.47	2.45
14.1000	2.43	2.40	2.38	2.36	2.34
14.2250	2.32	2.30	2.28	2.26	2.25
14.3500	2.23	2.22	2.20	2.19	2.18
14.4750	2.16	2.15	2.14	2.12	2.11
14.6000	2.10	2.09	2.08	2.06	2.05
14.7250	2.04	2.03	2.01	2.00	1.99
14.8500	1.98	1.97	1.96	1.94	1.93
14.9750	1.92	1.91	1.89	1.88	1.87
15.1000	1.86	1.85	1.83	1.82	1.81
15.2250	1.80	1.78	1.77	1.76	1.75
15.3500	1.74	1.72	1.71	1.70	1.69
15.4750	1.67	1.66	1.65	1.63	1.62
15.6000	1.61	1.60	1.58	1.57	1.56
15.7250	1.55	1.53	1.52	1.51	1.49
15.8500	1.48	1.47	1.46	1.44	1.43
15.9750	1.42	1.40	1.39	1.38	1.36
16.1000	1.35	1.34	1.33	1.32	1.31
16.2250	1.30	1.29	1.28	1.27	1.26
16.3500	1.25	1.24	1.24	1.23	1.22
16.4750	1.21	1.21	1.20	1.20	1.19
16.6000	1.18	1.18	1.17	1.17	1.16
16.7250	1.15	1.15	1.14	1.14	1.13
16.8500	1.12	1.12	1.11	1.11	1.10
16.9750	1.10	1.09	1.08	1.08	1.07
17.1000	1.07	1.06	1.06	1.05	1.04
17.2250	1.04	1.03	1.03	1.02	1.02
17.3500	1.01	1.00	1.00	.99	.99
17.4750	.98	.98	.97	.96	.96
17.6000	.95	.95	.94	.93	.93
17.7250	.92	.92	.91	.91	.90
17.8500	.89	.89	.88	.88	.87
17.9750	.86	.86	.85	.85	.84
18.1000	.83	.83	.82	.82	.81
18.2250	.81	.81	.80	.80	.79
18.3500	.79	.79	.79	.78	.78
18.4750	.78	.78	.77	.77	.77
18.6000	.77	.77	.77	.76	.76
18.7250	.76	.76	.76	.75	.75
18.8500	.75	.75	.75	.75	.74
18.9750	.74	.74	.74	.74	.74
19.1000	.73	.73	.73	.73	.73
19.2250	.73	.72	.72	.72	.72
19.3500	.72	.71	.71	.71	.71
19.4750	.71	.71	.70	.70	.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6000	.70	.70	.70	.69	.69
19.7250	.69	.69	.69	.69	.68
19.8500	.68	.68	.68	.68	.67
19.9750	.67	.67	.67	.67	.67
20.1000	.66	.66	.66	.66	.66
20.2250	.66	.65	.65	.65	.65
20.3500	.65	.65	.65	.64	.64
20.4750	.64	.64	.64	.64	.64
20.6000	.64	.63	.63	.63	.63
20.7250	.63	.63	.63	.62	.62
20.8500	.62	.62	.62	.62	.62
20.9750	.61	.61	.61	.61	.61
21.1000	.61	.61	.61	.60	.60
21.2250	.60	.60	.60	.60	.60
21.3500	.60	.59	.59	.59	.59
21.4750	.59	.59	.59	.58	.58
21.6000	.58	.58	.58	.58	.58
21.7250	.57	.57	.57	.57	.57
21.8500	.57	.57	.57	.56	.56
21.9750	.56	.56	.56	.56	.56
22.1000	.56	.55	.55	.55	.55
22.2250	.55	.55	.55	.54	.54
22.3500	.54	.54	.54	.54	.54
22.4750	.53	.53	.53	.53	.53
22.6000	.53	.53	.53	.52	.52
22.7250	.52	.52	.52	.52	.52
22.8500	.51	.51	.51	.51	.51
22.9750	.51	.51	.51	.50	.50
23.1000	.50	.50	.50	.50	.50
23.2250	.49	.49	.49	.49	.49
23.3500	.49	.49	.48	.48	.48
23.4750	.48	.48	.48	.48	.48
23.6000	.47	.47	.47	.47	.47
23.7250	.47	.47	.46	.46	.46
23.8500	.46	.46	.46	.46	.45
23.9750	.45	.45	.45	.44	.43
24.1000	.41	.39	.37	.34	.31
24.2250	.27	.24	.21	.18	.15
24.3500	.13	.11	.09	.08	.07
24.4750	.06	.05	.04	.03	.03
24.6000	.02	.02	.02	.01	.01
24.7250	.01	.01	.01	.01	.01
24.8500	.00	.00	.00	.00	.00
24.9750	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. D 50
 Tc = .3699 hrs
 Drainage Area = 11.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 109851 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.9500	.00	.00	.00	.00	.01
10.0750	.01	.01	.02	.02	.03
10.2000	.04	.04	.05	.06	.07
10.3250	.08	.09	.10	.11	.13
10.4500	.14	.15	.16	.18	.19
10.5750	.21	.22	.24	.25	.27
10.7000	.28	.30	.32	.33	.35
10.8250	.37	.39	.41	.42	.44
10.9500	.46	.48	.50	.53	.55
11.0750	.57	.59	.62	.64	.67
11.2000	.70	.73	.77	.80	.84
11.3250	.88	.92	.97	1.01	1.06
11.4500	1.12	1.17	1.23	1.29	1.36
11.5750	1.43	1.52	1.63	1.76	1.92
11.7000	2.10	2.32	2.58	2.88	3.22
11.8250	3.60	4.03	4.50	5.06	5.68
11.9500	6.44	7.30	8.37	9.59	11.02
12.0750	12.58	14.22	15.90	17.45	18.93
12.2000	20.05	21.02	21.50	21.81	21.69
12.3250	21.44	20.92	20.32	19.57	18.78
12.4500	17.94	17.10	16.25	15.41	14.57
12.5750	13.73	12.91	12.09	11.33	10.57
12.7000	9.91	9.25	8.70	8.15	7.70
12.8250	7.26	6.91	6.56	6.28	6.01
12.9500	5.77	5.55	5.35	5.16	4.99
13.0750	4.83	4.68	4.53	4.41	4.28
13.2000	4.17	4.07	3.98	3.90	3.83
13.3250	3.76	3.70	3.64	3.59	3.55
13.4500	3.51	3.47	3.43	3.39	3.36
13.5750	3.33	3.29	3.26	3.23	3.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.7000	3.18	3.15	3.12	3.09	3.06
13.8250	3.04	3.01	2.98	2.95	2.93
13.9500	2.90	2.87	2.84	2.82	2.79
14.0750	2.76	2.73	2.71	2.68	2.66
14.2000	2.63	2.61	2.59	2.57	2.55
14.3250	2.53	2.51	2.50	2.48	2.46
14.4500	2.45	2.43	2.42	2.40	2.39
14.5750	2.37	2.36	2.35	2.33	2.32
14.7000	2.31	2.29	2.28	2.26	2.25
14.8250	2.24	2.22	2.21	2.20	2.18
14.9500	2.17	2.16	2.14	2.13	2.11
15.0750	2.10	2.09	2.07	2.06	2.05
15.2000	2.03	2.02	2.00	1.99	1.98
15.3250	1.96	1.95	1.93	1.92	1.91
15.4500	1.89	1.88	1.86	1.85	1.83
15.5750	1.82	1.81	1.79	1.78	1.76
15.7000	1.75	1.73	1.72	1.70	1.69
15.8250	1.68	1.66	1.65	1.63	1.62
15.9500	1.60	1.59	1.57	1.56	1.54
16.0750	1.53	1.52	1.50	1.49	1.48
16.2000	1.46	1.45	1.44	1.43	1.42
16.3250	1.41	1.40	1.39	1.38	1.38
16.4500	1.37	1.36	1.35	1.35	1.34
16.5750	1.33	1.33	1.32	1.31	1.31
16.7000	1.30	1.29	1.29	1.28	1.27
16.8250	1.27	1.26	1.25	1.25	1.24
16.9500	1.23	1.23	1.22	1.21	1.21
17.0750	1.20	1.20	1.19	1.18	1.18
17.2000	1.17	1.16	1.16	1.15	1.14
17.3250	1.14	1.13	1.12	1.12	1.11
17.4500	1.10	1.10	1.09	1.08	1.08
17.5750	1.07	1.07	1.06	1.05	1.05
17.7000	1.04	1.03	1.03	1.02	1.01
17.8250	1.01	1.00	.99	.99	.98
17.9500	.97	.97	.96	.95	.95
18.0750	.94	.93	.93	.92	.92
18.2000	.91	.91	.90	.90	.89
18.3250	.89	.89	.88	.88	.88
18.4500	.87	.87	.87	.87	.86
18.5750	.86	.86	.86	.86	.85
18.7000	.85	.85	.85	.85	.84
18.8250	.84	.84	.84	.84	.83
18.9500	.83	.83	.83	.83	.82
19.0750	.82	.82	.82	.82	.81
19.2000	.81	.81	.81	.81	.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3250	.80	.80	.80	.80	.79
19.4500	.79	.79	.79	.79	.79
19.5750	.78	.78	.78	.78	.78
19.7000	.77	.77	.77	.77	.77
19.8250	.76	.76	.76	.76	.76
19.9500	.75	.75	.75	.75	.75
20.0750	.74	.74	.74	.74	.74
20.2000	.73	.73	.73	.73	.73
20.3250	.73	.72	.72	.72	.72
20.4500	.72	.72	.72	.71	.71
20.5750	.71	.71	.71	.71	.70
20.7000	.70	.70	.70	.70	.70
20.8250	.70	.69	.69	.69	.69
20.9500	.69	.69	.68	.68	.68
21.0750	.68	.68	.68	.68	.68
21.2000	.67	.67	.67	.67	.67
21.3250	.67	.66	.66	.66	.66
21.4500	.66	.66	.66	.65	.65
21.5750	.65	.65	.65	.65	.64
21.7000	.64	.64	.64	.64	.64
21.8250	.64	.63	.63	.63	.63
21.9500	.63	.63	.63	.62	.62
22.0750	.62	.62	.62	.62	.62
22.2000	.61	.61	.61	.61	.61
22.3250	.61	.60	.60	.60	.60
22.4500	.60	.60	.59	.59	.59
22.5750	.59	.59	.59	.59	.58
22.7000	.58	.58	.58	.58	.58
22.8250	.58	.57	.57	.57	.57
22.9500	.57	.57	.56	.56	.56
23.0750	.56	.56	.56	.56	.55
23.2000	.55	.55	.55	.55	.55
23.3250	.54	.54	.54	.54	.54
23.4500	.54	.54	.53	.53	.53
23.5750	.53	.53	.53	.53	.52
23.7000	.52	.52	.52	.52	.52
23.8250	.51	.51	.51	.51	.51
23.9500	.51	.50	.50	.50	.49
24.0750	.48	.46	.44	.41	.38
24.2000	.34	.31	.27	.23	.20
24.3250	.17	.14	.12	.10	.09
24.4500	.07	.06	.05	.04	.04
24.5750	.03	.03	.02	.02	.02
24.7000	.01	.01	.01	.01	.01
24.8250	.01	.00	.00	.00	.00

Type.... Unit Hyd. (HYG output)

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Name.... D.A. D Tag: 50

Event: 50 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

Storm... TypeIII 24hr Tag: 50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
24.9500	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. D 100
 Tc = .3699 hrs
 Drainage Area = 11.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 124742 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.7000	.00	.00	.00	.01	.01
9.8250	.01	.02	.02	.03	.03
9.9500	.04	.05	.06	.06	.07
10.0750	.08	.09	.10	.11	.13
10.2000	.14	.15	.16	.17	.19
10.3250	.20	.21	.23	.24	.26
10.4500	.27	.29	.31	.32	.34
10.5750	.36	.37	.39	.41	.43
10.7000	.45	.47	.49	.51	.53
10.8250	.55	.57	.59	.62	.64
10.9500	.66	.69	.71	.73	.76
11.0750	.79	.81	.84	.87	.90
11.2000	.94	.98	1.01	1.06	1.10
11.3250	1.15	1.20	1.25	1.31	1.37
11.4500	1.43	1.49	1.56	1.63	1.71
11.5750	1.81	1.91	2.04	2.19	2.38
11.7000	2.59	2.86	3.16	3.51	3.91
11.8250	4.36	4.87	5.42	6.06	6.78
11.9500	7.65	8.64	9.87	11.26	12.90
12.0750	14.68	16.53	18.43	20.17	21.83
12.2000	23.07	24.14	24.65	24.95	24.78
12.3250	24.46	23.83	23.12	22.24	21.31
12.4500	20.35	19.37	18.40	17.43	16.46
12.5750	15.50	14.57	13.63	12.77	11.91
12.7000	11.16	10.40	9.78	9.16	8.65
12.8250	8.16	7.76	7.37	7.05	6.73
12.9500	6.47	6.22	5.99	5.78	5.59
13.0750	5.40	5.23	5.07	4.93	4.79
13.2000	4.67	4.55	4.45	4.35	4.27
13.3250	4.20	4.13	4.07	4.01	3.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4500	3.91	3.87	3.83	3.78	3.75
13.5750	3.71	3.67	3.64	3.61	3.57
13.7000	3.54	3.51	3.48	3.45	3.41
13.8250	3.38	3.35	3.32	3.29	3.26
13.9500	3.23	3.20	3.17	3.13	3.10
14.0750	3.07	3.04	3.01	2.99	2.96
14.2000	2.93	2.91	2.88	2.86	2.84
14.3250	2.82	2.79	2.78	2.76	2.74
14.4500	2.72	2.71	2.69	2.67	2.66
14.5750	2.64	2.62	2.61	2.59	2.58
14.7000	2.56	2.55	2.53	2.52	2.50
14.8250	2.49	2.47	2.46	2.44	2.43
14.9500	2.41	2.39	2.38	2.36	2.35
15.0750	2.33	2.32	2.30	2.29	2.27
15.2000	2.26	2.24	2.22	2.21	2.19
15.3250	2.18	2.16	2.15	2.13	2.11
15.4500	2.10	2.08	2.07	2.05	2.04
15.5750	2.02	2.00	1.99	1.97	1.96
15.7000	1.94	1.92	1.91	1.89	1.87
15.8250	1.86	1.84	1.83	1.81	1.79
15.9500	1.78	1.76	1.74	1.73	1.71
16.0750	1.70	1.68	1.67	1.65	1.64
16.2000	1.62	1.61	1.60	1.58	1.57
16.3250	1.56	1.55	1.54	1.53	1.53
16.4500	1.52	1.51	1.50	1.49	1.48
16.5750	1.48	1.47	1.46	1.45	1.45
16.7000	1.44	1.43	1.42	1.42	1.41
16.8250	1.40	1.40	1.39	1.38	1.37
16.9500	1.37	1.36	1.35	1.35	1.34
17.0750	1.33	1.32	1.32	1.31	1.30
17.2000	1.30	1.29	1.28	1.27	1.27
17.3250	1.26	1.25	1.24	1.24	1.23
17.4500	1.22	1.22	1.21	1.20	1.19
17.5750	1.19	1.18	1.17	1.16	1.16
17.7000	1.15	1.14	1.14	1.13	1.12
17.8250	1.11	1.11	1.10	1.09	1.08
17.9500	1.08	1.07	1.06	1.05	1.05
18.0750	1.04	1.03	1.03	1.02	1.01
18.2000	1.01	1.00	1.00	.99	.99
18.3250	.98	.98	.98	.97	.97
18.4500	.97	.96	.96	.96	.96
18.5750	.95	.95	.95	.95	.94
18.7000	.94	.94	.94	.93	.93
18.8250	.93	.93	.93	.92	.92
18.9500	.92	.92	.92	.91	.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0750	.91	.91	.90	.90	.90
19.2000	.90	.90	.89	.89	.89
19.3250	.89	.89	.88	.88	.88
19.4500	.88	.87	.87	.87	.87
19.5750	.87	.86	.86	.86	.86
19.7000	.86	.85	.85	.85	.85
19.8250	.84	.84	.84	.84	.84
19.9500	.83	.83	.83	.83	.82
20.0750	.82	.82	.82	.82	.81
20.2000	.81	.81	.81	.81	.80
20.3250	.80	.80	.80	.80	.80
20.4500	.79	.79	.79	.79	.79
20.5750	.79	.78	.78	.78	.78
20.7000	.78	.78	.77	.77	.77
20.8250	.77	.77	.76	.76	.76
20.9500	.76	.76	.76	.76	.75
21.0750	.75	.75	.75	.75	.75
21.2000	.74	.74	.74	.74	.74
21.3250	.74	.73	.73	.73	.73
21.4500	.73	.73	.72	.72	.72
21.5750	.72	.72	.72	.71	.71
21.7000	.71	.71	.71	.71	.70
21.8250	.70	.70	.70	.70	.70
21.9500	.69	.69	.69	.69	.69
22.0750	.69	.68	.68	.68	.68
22.2000	.68	.68	.67	.67	.67
22.3250	.67	.67	.67	.66	.66
22.4500	.66	.66	.66	.66	.65
22.5750	.65	.65	.65	.65	.65
22.7000	.64	.64	.64	.64	.64
22.8250	.64	.63	.63	.63	.63
22.9500	.63	.63	.62	.62	.62
23.0750	.62	.62	.61	.61	.61
23.2000	.61	.61	.61	.60	.60
23.3250	.60	.60	.60	.60	.59
23.4500	.59	.59	.59	.59	.59
23.5750	.58	.58	.58	.58	.58
23.7000	.58	.57	.57	.57	.57
23.8250	.57	.57	.56	.56	.56
23.9500	.56	.56	.55	.55	.54
24.0750	.53	.51	.48	.45	.42
24.2000	.38	.34	.30	.26	.22
24.3250	.19	.16	.13	.11	.10
24.4500	.08	.07	.06	.05	.04
24.5750	.04	.03	.03	.02	.02

Type.... Unit Hyd. (HYG output)

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Name.... D.A. D Tag: 100

Event: 100 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

Storm... TypeIII 24hr Tag: 100

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
24.7000	.01	.01	.01	.01	.01
24.8250	.01	.01	.00	.00	.00
24.9500	.00	.00	.00	.00	.00

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .020000 ft/ft

Avg.Velocity .08 ft/sec

Segment #1 Time: .3422 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 455.00 ft
Slope .080000 ft/ft
Unpaved

Avg.Velocity 4.56 ft/sec

Segment #2 Time: .0277 hrs

=====
Total Tc: .3699 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. E

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 EXISTING.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	61	5.200			61.00

COMPOSITE AREA & WEIGHTED CN ---> 5.200 61.00 (61)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. E 2
 Tc = .3699 hrs
 Drainage Area = 5.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 10811 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

11.8000	.00	.00	.00	.01	.02
11.9250	.03	.06	.09	.15	.22
12.0500	.32	.44	.57	.72	.88
12.1750	1.04	1.19	1.33	1.43	1.52
12.3000	1.58	1.62	1.64	1.64	1.63
12.4250	1.61	1.57	1.53	1.48	1.43
12.5500	1.38	1.32	1.26	1.19	1.13
12.6750	1.07	1.01	.95	.91	.86
12.8000	.82	.78	.75	.71	.69
12.9250	.66	.64	.62	.60	.58
13.0500	.57	.55	.54	.52	.51
13.1750	.50	.49	.48	.47	.46
13.3000	.45	.45	.44	.43	.43
13.4250	.43	.42	.42	.41	.41
13.5500	.41	.40	.40	.40	.39
13.6750	.39	.39	.39	.38	.38
13.8000	.38	.37	.37	.37	.37
13.9250	.36	.36	.36	.35	.35
14.0500	.35	.35	.34	.34	.34
14.1750	.33	.33	.33	.33	.32
14.3000	.32	.32	.32	.32	.31
14.4250	.31	.31	.31	.31	.31
14.5500	.31	.30	.30	.30	.30
14.6750	.30	.30	.30	.29	.29
14.8000	.29	.29	.29	.29	.28
14.9250	.28	.28	.28	.28	.28
15.0500	.28	.27	.27	.27	.27
15.1750	.27	.27	.26	.26	.26
15.3000	.26	.26	.26	.25	.25
15.4250	.25	.25	.25	.25	.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5500	.24	.24	.24	.24	.24
15.6750	.23	.23	.23	.23	.23
15.8000	.22	.22	.22	.22	.22
15.9250	.22	.21	.21	.21	.21
16.0500	.21	.20	.20	.20	.20
16.1750	.20	.20	.19	.19	.19
16.3000	.19	.19	.19	.19	.19
16.4250	.19	.18	.18	.18	.18
16.5500	.18	.18	.18	.18	.18
16.6750	.18	.18	.18	.17	.17
16.8000	.17	.17	.17	.17	.17
16.9250	.17	.17	.17	.17	.17
17.0500	.16	.16	.16	.16	.16
17.1750	.16	.16	.16	.16	.16
17.3000	.16	.16	.15	.15	.15
17.4250	.15	.15	.15	.15	.15
17.5500	.15	.15	.15	.15	.14
17.6750	.14	.14	.14	.14	.14
17.8000	.14	.14	.14	.14	.14
17.9250	.14	.13	.13	.13	.13
18.0500	.13	.13	.13	.13	.13
18.1750	.13	.13	.13	.12	.12
18.3000	.12	.12	.12	.12	.12
18.4250	.12	.12	.12	.12	.12
18.5500	.12	.12	.12	.12	.12
18.6750	.12	.12	.12	.12	.12
18.8000	.12	.12	.12	.12	.12
18.9250	.12	.12	.12	.12	.12
19.0500	.11	.11	.11	.11	.11
19.1750	.11	.11	.11	.11	.11
19.3000	.11	.11	.11	.11	.11
19.4250	.11	.11	.11	.11	.11
19.5500	.11	.11	.11	.11	.11
19.6750	.11	.11	.11	.11	.11
19.8000	.11	.11	.11	.11	.11
19.9250	.11	.11	.11	.11	.11
20.0500	.10	.10	.10	.10	.10
20.1750	.10	.10	.10	.10	.10
20.3000	.10	.10	.10	.10	.10
20.4250	.10	.10	.10	.10	.10
20.5500	.10	.10	.10	.10	.10
20.6750	.10	.10	.10	.10	.10
20.8000	.10	.10	.10	.10	.10
20.9250	.10	.10	.10	.10	.10
21.0500	.10	.10	.10	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1750	.10	.10	.10	.10	.10
21.3000	.09	.09	.09	.09	.09
21.4250	.09	.09	.09	.09	.09
21.5500	.09	.09	.09	.09	.09
21.6750	.09	.09	.09	.09	.09
21.8000	.09	.09	.09	.09	.09
21.9250	.09	.09	.09	.09	.09
22.0500	.09	.09	.09	.09	.09
22.1750	.09	.09	.09	.09	.09
22.3000	.09	.09	.09	.09	.09
22.4250	.09	.09	.09	.09	.08
22.5500	.08	.08	.08	.08	.08
22.6750	.08	.08	.08	.08	.08
22.8000	.08	.08	.08	.08	.08
22.9250	.08	.08	.08	.08	.08
23.0500	.08	.08	.08	.08	.08
23.1750	.08	.08	.08	.08	.08
23.3000	.08	.08	.08	.08	.08
23.4250	.08	.08	.08	.08	.08
23.5500	.08	.08	.08	.08	.08
23.6750	.08	.08	.07	.07	.07
23.8000	.07	.07	.07	.07	.07
23.9250	.07	.07	.07	.07	.07
24.0500	.07	.07	.07	.06	.06
24.1750	.05	.05	.04	.04	.03
24.3000	.03	.02	.02	.02	.01
24.4250	.01	.01	.01	.01	.01
24.5500	.01	.00	.00	.00	.00
24.6750	.00	.00	.00	.00	.00
24.8000	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. E 10
 Tc = .3699 hrs
 Drainage Area = 5.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 31688 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

10.8500	.00	.00	.00	.00	.00
10.9750	.01	.01	.01	.02	.02
11.1000	.02	.03	.03	.04	.05
11.2250	.05	.06	.07	.08	.09
11.3500	.09	.11	.12	.13	.14
11.4750	.15	.17	.18	.20	.21
11.6000	.24	.26	.29	.33	.37
11.7250	.42	.48	.55	.63	.72
11.8500	.83	.95	1.09	1.25	1.45
11.9750	1.68	1.98	2.31	2.72	3.16
12.1000	3.63	4.12	4.59	5.04	5.39
12.2250	5.70	5.88	6.01	6.02	6.00
12.3500	5.88	5.75	5.57	5.37	5.15
12.4750	4.93	4.71	4.48	4.25	4.02
12.6000	3.79	3.56	3.34	3.13	2.94
12.7250	2.75	2.59	2.43	2.30	2.18
12.8500	2.07	1.97	1.89	1.81	1.74
12.9750	1.68	1.62	1.57	1.52	1.47
13.1000	1.42	1.38	1.34	1.31	1.28
13.2250	1.25	1.22	1.19	1.17	1.15
13.3500	1.14	1.12	1.10	1.09	1.08
13.4750	1.07	1.06	1.05	1.04	1.03
13.6000	1.02	1.01	1.00	.99	.98
13.7250	.97	.96	.96	.95	.94
13.8500	.93	.92	.92	.91	.90
13.9750	.89	.88	.87	.87	.86
14.1000	.85	.84	.83	.83	.82
14.2250	.81	.81	.80	.79	.79
14.3500	.78	.78	.77	.77	.76
14.4750	.76	.75	.75	.75	.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
14.6000	.74	.73	.73	.73	.72
14.7250	.72	.71	.71	.70	.70
14.8500	.70	.69	.69	.68	.68
14.9750	.68	.67	.67	.66	.66
15.1000	.65	.65	.65	.64	.64
15.2250	.63	.63	.63	.62	.62
15.3500	.61	.61	.60	.60	.60
15.4750	.59	.59	.58	.58	.57
15.6000	.57	.56	.56	.56	.55
15.7250	.55	.54	.54	.53	.53
15.8500	.52	.52	.51	.51	.51
15.9750	.50	.50	.49	.49	.48
16.1000	.48	.47	.47	.47	.46
16.2250	.46	.46	.45	.45	.45
16.3500	.44	.44	.44	.44	.43
16.4750	.43	.43	.43	.42	.42
16.6000	.42	.42	.42	.41	.41
16.7250	.41	.41	.41	.40	.40
16.8500	.40	.40	.40	.39	.39
16.9750	.39	.39	.39	.38	.38
17.1000	.38	.38	.38	.37	.37
17.2250	.37	.37	.37	.36	.36
17.3500	.36	.36	.36	.35	.35
17.4750	.35	.35	.34	.34	.34
17.6000	.34	.34	.33	.33	.33
17.7250	.33	.33	.32	.32	.32
17.8500	.32	.32	.31	.31	.31
17.9750	.31	.31	.30	.30	.30
18.1000	.30	.30	.29	.29	.29
18.2250	.29	.29	.29	.28	.28
18.3500	.28	.28	.28	.28	.28
18.4750	.28	.28	.28	.28	.27
18.6000	.27	.27	.27	.27	.27
18.7250	.27	.27	.27	.27	.27
18.8500	.27	.27	.27	.27	.27
18.9750	.26	.26	.26	.26	.26
19.1000	.26	.26	.26	.26	.26
19.2250	.26	.26	.26	.26	.26
19.3500	.26	.26	.25	.25	.25
19.4750	.25	.25	.25	.25	.25
19.6000	.25	.25	.25	.25	.25
19.7250	.25	.25	.25	.24	.24
19.8500	.24	.24	.24	.24	.24
19.9750	.24	.24	.24	.24	.24
20.1000	.24	.24	.24	.24	.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
20.2250	.23	.23	.23	.23	.23
20.3500	.23	.23	.23	.23	.23
20.4750	.23	.23	.23	.23	.23
20.6000	.23	.23	.23	.23	.23
20.7250	.22	.22	.22	.22	.22
20.8500	.22	.22	.22	.22	.22
20.9750	.22	.22	.22	.22	.22
21.1000	.22	.22	.22	.22	.22
21.2250	.22	.22	.21	.21	.21
21.3500	.21	.21	.21	.21	.21
21.4750	.21	.21	.21	.21	.21
21.6000	.21	.21	.21	.21	.21
21.7250	.21	.21	.21	.20	.20
21.8500	.20	.20	.20	.20	.20
21.9750	.20	.20	.20	.20	.20
22.1000	.20	.20	.20	.20	.20
22.2250	.20	.20	.20	.20	.19
22.3500	.19	.19	.19	.19	.19
22.4750	.19	.19	.19	.19	.19
22.6000	.19	.19	.19	.19	.19
22.7250	.19	.19	.19	.19	.19
22.8500	.18	.18	.18	.18	.18
22.9750	.18	.18	.18	.18	.18
23.1000	.18	.18	.18	.18	.18
23.2250	.18	.18	.18	.18	.18
23.3500	.17	.17	.17	.17	.17
23.4750	.17	.17	.17	.17	.17
23.6000	.17	.17	.17	.17	.17
23.7250	.17	.17	.17	.17	.17
23.8500	.17	.16	.16	.16	.16
23.9750	.16	.16	.16	.16	.15
24.1000	.15	.14	.13	.12	.11
24.2250	.10	.09	.08	.06	.05
24.3500	.05	.04	.03	.03	.02
24.4750	.02	.02	.01	.01	.01
24.6000	.01	.01	.01	.01	.00
24.7250	.00	.00	.00	.00	.00
24.8500	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. E 25
 Tc = .3699 hrs
 Drainage Area = 5.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 44306 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
10.2750	.00	.00	.00	.00	.01
10.4000	.01	.01	.01	.02	.02
10.5250	.03	.03	.03	.04	.04
10.6500	.05	.06	.06	.07	.07
10.7750	.08	.09	.09	.10	.11
10.9000	.12	.12	.13	.14	.15
11.0250	.15	.16	.17	.18	.19
11.1500	.20	.21	.22	.23	.25
11.2750	.26	.28	.29	.31	.32
11.4000	.34	.36	.38	.40	.42
11.5250	.45	.47	.50	.54	.58
11.6500	.63	.69	.76	.84	.94
11.7750	1.06	1.19	1.34	1.50	1.69
11.9000	1.90	2.15	2.45	2.79	3.22
12.0250	3.70	4.28	4.91	5.57	6.25
12.1500	6.88	7.49	7.95	8.36	8.57
12.2750	8.70	8.67	8.59	8.39	8.17
12.4000	7.87	7.57	7.24	6.91	6.57
12.5250	6.24	5.90	5.57	5.24	4.91
12.6500	4.60	4.30	4.03	3.77	3.54
12.7750	3.32	3.14	2.96	2.82	2.68
12.9000	2.57	2.46	2.36	2.27	2.19
13.0250	2.11	2.04	1.98	1.92	1.86
13.1500	1.81	1.76	1.71	1.67	1.63
13.2750	1.60	1.57	1.54	1.52	1.50
13.4000	1.48	1.46	1.44	1.43	1.41
13.5250	1.40	1.38	1.37	1.36	1.34
13.6500	1.33	1.32	1.31	1.30	1.28
13.7750	1.27	1.26	1.25	1.24	1.23
13.9000	1.22	1.21	1.19	1.18	1.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0250	1.16	1.15	1.14	1.13	1.12
14.1500	1.11	1.10	1.09	1.08	1.07
14.2750	1.06	1.05	1.04	1.04	1.03
14.4000	1.02	1.02	1.01	1.00	1.00
14.5250	.99	.99	.98	.97	.97
14.6500	.96	.96	.95	.95	.94
14.7750	.94	.93	.92	.92	.91
14.9000	.91	.90	.90	.89	.89
15.0250	.88	.87	.87	.86	.86
15.1500	.85	.85	.84	.83	.83
15.2750	.82	.82	.81	.81	.80
15.4000	.79	.79	.78	.78	.77
15.5250	.76	.76	.75	.75	.74
15.6500	.74	.73	.72	.72	.71
15.7750	.71	.70	.69	.69	.68
15.9000	.68	.67	.66	.66	.65
16.0250	.65	.64	.63	.63	.62
16.1500	.62	.61	.61	.60	.60
16.2750	.59	.59	.58	.58	.58
16.4000	.57	.57	.57	.56	.56
16.5250	.56	.56	.55	.55	.55
16.6500	.54	.54	.54	.54	.53
16.7750	.53	.53	.52	.52	.52
16.9000	.52	.51	.51	.51	.51
17.0250	.50	.50	.50	.50	.49
17.1500	.49	.49	.49	.48	.48
17.2750	.48	.47	.47	.47	.47
17.4000	.46	.46	.46	.46	.45
17.5250	.45	.45	.44	.44	.44
17.6500	.44	.43	.43	.43	.43
17.7750	.42	.42	.42	.41	.41
17.9000	.41	.41	.40	.40	.40
18.0250	.40	.39	.39	.39	.38
18.1500	.38	.38	.38	.38	.37
18.2750	.37	.37	.37	.37	.37
18.4000	.36	.36	.36	.36	.36
18.5250	.36	.36	.36	.36	.36
18.6500	.36	.35	.35	.35	.35
18.7750	.35	.35	.35	.35	.35
18.9000	.35	.35	.35	.34	.34
19.0250	.34	.34	.34	.34	.34
19.1500	.34	.34	.34	.34	.34
19.2750	.34	.33	.33	.33	.33
19.4000	.33	.33	.33	.33	.33
19.5250	.33	.33	.33	.32	.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6500	.32	.32	.32	.32	.32
19.7750	.32	.32	.32	.32	.32
19.9000	.31	.31	.31	.31	.31
20.0250	.31	.31	.31	.31	.31
20.1500	.31	.31	.31	.30	.30
20.2750	.30	.30	.30	.30	.30
20.4000	.30	.30	.30	.30	.30
20.5250	.30	.30	.30	.29	.29
20.6500	.29	.29	.29	.29	.29
20.7750	.29	.29	.29	.29	.29
20.9000	.29	.29	.29	.29	.28
21.0250	.28	.28	.28	.28	.28
21.1500	.28	.28	.28	.28	.28
21.2750	.28	.28	.28	.28	.28
21.4000	.28	.27	.27	.27	.27
21.5250	.27	.27	.27	.27	.27
21.6500	.27	.27	.27	.27	.27
21.7750	.27	.27	.26	.26	.26
21.9000	.26	.26	.26	.26	.26
22.0250	.26	.26	.26	.26	.26
22.1500	.26	.26	.26	.25	.25
22.2750	.25	.25	.25	.25	.25
22.4000	.25	.25	.25	.25	.25
22.5250	.25	.25	.25	.25	.24
22.6500	.24	.24	.24	.24	.24
22.7750	.24	.24	.24	.24	.24
22.9000	.24	.24	.24	.24	.24
23.0250	.23	.23	.23	.23	.23
23.1500	.23	.23	.23	.23	.23
23.2750	.23	.23	.23	.23	.23
23.4000	.22	.22	.22	.22	.22
23.5250	.22	.22	.22	.22	.22
23.6500	.22	.22	.22	.22	.22
23.7750	.22	.21	.21	.21	.21
23.9000	.21	.21	.21	.21	.21
24.0250	.21	.20	.20	.19	.18
24.1500	.17	.16	.14	.13	.11
24.2750	.10	.08	.07	.06	.05
24.4000	.04	.04	.03	.03	.02
24.5250	.02	.02	.01	.01	.01
24.6500	.01	.01	.01	.00	.00
24.7750	.00	.00	.00	.00	.00
24.9000	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. E 50
 Tc = .3699 hrs
 Drainage Area = 5.200 acres Runoff CN= 61
 Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs
 HYG Volume = 51002 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.9750	.00	.00	.00	.00	.00
10.1000	.01	.01	.01	.01	.02
10.2250	.02	.02	.03	.03	.04
10.3500	.04	.05	.05	.06	.06
10.4750	.07	.08	.08	.09	.10
10.6000	.10	.11	.12	.12	.13
10.7250	.14	.15	.15	.16	.17
10.8500	.18	.19	.20	.21	.22
10.9750	.22	.23	.24	.25	.26
11.1000	.28	.29	.30	.31	.33
11.2250	.34	.36	.37	.39	.41
11.3500	.43	.45	.47	.49	.52
11.4750	.54	.57	.60	.63	.67
11.6000	.71	.76	.82	.89	.98
11.7250	1.08	1.20	1.34	1.49	1.67
11.8500	1.87	2.09	2.35	2.64	2.99
11.9750	3.39	3.89	4.45	5.12	5.84
12.1000	6.60	7.38	8.10	8.79	9.31
12.2250	9.76	9.98	10.12	10.07	9.96
12.3500	9.71	9.44	9.08	8.72	8.33
12.4750	7.94	7.55	7.15	6.76	6.37
12.6000	5.99	5.61	5.26	4.91	4.60
12.7250	4.29	4.04	3.78	3.58	3.37
12.8500	3.21	3.05	2.92	2.79	2.68
12.9750	2.58	2.48	2.40	2.32	2.24
13.1000	2.17	2.11	2.05	1.99	1.94
13.2250	1.89	1.85	1.81	1.78	1.74
13.3500	1.72	1.69	1.67	1.65	1.63
13.4750	1.61	1.59	1.58	1.56	1.54
13.6000	1.53	1.52	1.50	1.49	1.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.7250	1.46	1.45	1.44	1.42	1.41
13.8500	1.40	1.38	1.37	1.36	1.35
13.9750	1.33	1.32	1.31	1.29	1.28
14.1000	1.27	1.26	1.25	1.23	1.22
14.2250	1.21	1.20	1.19	1.18	1.17
14.3500	1.17	1.16	1.15	1.14	1.14
14.4750	1.13	1.12	1.12	1.11	1.10
14.6000	1.10	1.09	1.08	1.08	1.07
14.7250	1.06	1.06	1.05	1.05	1.04
14.8500	1.03	1.03	1.02	1.01	1.01
14.9750	1.00	.99	.99	.98	.98
15.1000	.97	.96	.96	.95	.94
15.2250	.94	.93	.92	.92	.91
15.3500	.90	.90	.89	.88	.88
15.4750	.87	.86	.86	.85	.84
15.6000	.84	.83	.82	.82	.81
15.7250	.80	.80	.79	.78	.78
15.8500	.77	.76	.76	.75	.74
15.9750	.74	.73	.72	.72	.71
16.1000	.70	.70	.69	.69	.68
16.2250	.67	.67	.66	.66	.65
16.3500	.65	.65	.64	.64	.64
16.4750	.63	.63	.63	.62	.62
16.6000	.62	.61	.61	.61	.60
16.7250	.60	.60	.59	.59	.59
16.8500	.58	.58	.58	.58	.57
16.9750	.57	.57	.56	.56	.56
17.1000	.55	.55	.55	.55	.54
17.2250	.54	.54	.53	.53	.53
17.3500	.52	.52	.52	.52	.51
17.4750	.51	.51	.50	.50	.50
17.6000	.49	.49	.49	.49	.48
17.7250	.48	.48	.47	.47	.47
17.8500	.46	.46	.46	.45	.45
17.9750	.45	.45	.44	.44	.44
18.1000	.43	.43	.43	.43	.42
18.2250	.42	.42	.42	.41	.41
18.3500	.41	.41	.41	.41	.41
18.4750	.40	.40	.40	.40	.40
18.6000	.40	.40	.40	.40	.40
18.7250	.39	.39	.39	.39	.39
18.8500	.39	.39	.39	.39	.39
18.9750	.39	.38	.38	.38	.38
19.1000	.38	.38	.38	.38	.38
19.2250	.38	.38	.37	.37	.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3500	.37	.37	.37	.37	.37
19.4750	.37	.37	.37	.36	.36
19.6000	.36	.36	.36	.36	.36
19.7250	.36	.36	.36	.36	.35
19.8500	.35	.35	.35	.35	.35
19.9750	.35	.35	.35	.35	.35
20.1000	.34	.34	.34	.34	.34
20.2250	.34	.34	.34	.34	.34
20.3500	.34	.34	.34	.33	.33
20.4750	.33	.33	.33	.33	.33
20.6000	.33	.33	.33	.33	.33
20.7250	.33	.32	.32	.32	.32
20.8500	.32	.32	.32	.32	.32
20.9750	.32	.32	.32	.32	.32
21.1000	.32	.31	.31	.31	.31
21.2250	.31	.31	.31	.31	.31
21.3500	.31	.31	.31	.31	.31
21.4750	.31	.30	.30	.30	.30
21.6000	.30	.30	.30	.30	.30
21.7250	.30	.30	.30	.30	.30
21.8500	.29	.29	.29	.29	.29
21.9750	.29	.29	.29	.29	.29
22.1000	.29	.29	.29	.29	.28
22.2250	.28	.28	.28	.28	.28
22.3500	.28	.28	.28	.28	.28
22.4750	.28	.28	.28	.27	.27
22.6000	.27	.27	.27	.27	.27
22.7250	.27	.27	.27	.27	.27
22.8500	.27	.27	.27	.26	.26
22.9750	.26	.26	.26	.26	.26
23.1000	.26	.26	.26	.26	.26
23.2250	.26	.25	.25	.25	.25
23.3500	.25	.25	.25	.25	.25
23.4750	.25	.25	.25	.25	.25
23.6000	.25	.24	.24	.24	.24
23.7250	.24	.24	.24	.24	.24
23.8500	.24	.24	.24	.24	.23
23.9750	.23	.23	.23	.23	.22
24.1000	.21	.20	.19	.18	.16
24.2250	.14	.12	.11	.09	.08
24.3500	.07	.06	.05	.04	.03
24.4750	.03	.02	.02	.02	.01
24.6000	.01	.01	.01	.01	.01
24.7250	.01	.00	.00	.00	.00
24.8500	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. E 100

Tc = .3699 hrs

Drainage Area = 5.200 acres Runoff CN= 61

Calc.Increment= .04932 hrs Out.Incr.= .0250 hrs

HYG Volume = 57916 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0250 hrs
 hrs Time on left represents time for first value in each row.

9.7250	.00	.00	.00	.00	.01
9.8500	.01	.01	.01	.02	.02
9.9750	.02	.03	.03	.03	.04
10.1000	.04	.05	.05	.06	.06
10.2250	.07	.07	.08	.09	.09
10.3500	.10	.11	.11	.12	.13
10.4750	.13	.14	.15	.16	.17
10.6000	.17	.18	.19	.20	.21
10.7250	.22	.23	.24	.25	.26
10.8500	.27	.28	.29	.30	.31
10.9750	.32	.33	.34	.35	.36
11.1000	.38	.39	.40	.42	.44
11.2250	.45	.47	.49	.51	.53
11.3500	.56	.58	.61	.64	.66
11.4750	.69	.72	.76	.80	.84
11.6000	.89	.95	1.02	1.10	1.20
11.7250	1.33	1.47	1.63	1.82	2.03
11.8500	2.26	2.52	2.81	3.15	3.55
11.9750	4.01	4.58	5.23	5.99	6.81
12.1000	7.68	8.56	9.36	10.14	10.71
12.2250	11.21	11.44	11.58	11.51	11.36
12.3500	11.07	10.73	10.32	9.90	9.45
12.4750	8.99	8.54	8.09	7.64	7.20
12.6000	6.76	6.33	5.93	5.53	5.18
12.7250	4.83	4.54	4.25	4.02	3.79
12.8500	3.60	3.42	3.27	3.13	3.00
12.9750	2.89	2.78	2.68	2.59	2.51
13.1000	2.43	2.35	2.29	2.22	2.17
13.2250	2.11	2.07	2.02	1.98	1.95
13.3500	1.92	1.89	1.86	1.84	1.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4750	1.80	1.78	1.76	1.74	1.72
13.6000	1.71	1.69	1.67	1.66	1.64
13.7250	1.63	1.61	1.60	1.59	1.57
13.8500	1.56	1.54	1.53	1.51	1.50
13.9750	1.48	1.47	1.46	1.44	1.43
14.1000	1.41	1.40	1.39	1.37	1.36
14.2250	1.35	1.34	1.33	1.32	1.31
14.3500	1.30	1.29	1.28	1.27	1.26
14.4750	1.26	1.25	1.24	1.23	1.23
14.6000	1.22	1.21	1.20	1.20	1.19
14.7250	1.18	1.18	1.17	1.16	1.15
14.8500	1.15	1.14	1.13	1.13	1.12
14.9750	1.11	1.10	1.10	1.09	1.08
15.1000	1.08	1.07	1.06	1.05	1.05
15.2250	1.04	1.03	1.03	1.02	1.01
15.3500	1.00	1.00	.99	.98	.97
15.4750	.97	.96	.95	.95	.94
15.6000	.93	.92	.92	.91	.90
15.7250	.89	.89	.88	.87	.86
15.8500	.86	.85	.84	.83	.83
15.9750	.82	.81	.80	.80	.79
16.1000	.78	.77	.77	.76	.75
16.2250	.75	.74	.74	.73	.73
16.3500	.72	.72	.71	.71	.70
16.4750	.70	.70	.69	.69	.69
16.6000	.68	.68	.67	.67	.67
16.7250	.66	.66	.66	.65	.65
16.8500	.65	.64	.64	.64	.63
16.9750	.63	.63	.62	.62	.62
17.1000	.61	.61	.61	.60	.60
17.2250	.60	.59	.59	.59	.58
17.3500	.58	.58	.57	.57	.57
17.4750	.56	.56	.56	.55	.55
17.6000	.55	.54	.54	.54	.53
17.7250	.53	.53	.52	.52	.52
17.8500	.51	.51	.51	.50	.50
17.9750	.50	.49	.49	.49	.48
18.1000	.48	.48	.47	.47	.47
18.2250	.47	.46	.46	.46	.46
18.3500	.45	.45	.45	.45	.45
18.4750	.45	.45	.44	.44	.44
18.6000	.44	.44	.44	.44	.44
18.7250	.44	.44	.43	.43	.43
18.8500	.43	.43	.43	.43	.43
18.9750	.43	.43	.42	.42	.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs					
19.1000	.42	.42	.42	.42	.42
19.2250	.42	.42	.41	.41	.41
19.3500	.41	.41	.41	.41	.41
19.4750	.41	.41	.40	.40	.40
19.6000	.40	.40	.40	.40	.40
19.7250	.40	.39	.39	.39	.39
19.8500	.39	.39	.39	.39	.39
19.9750	.39	.38	.38	.38	.38
20.1000	.38	.38	.38	.38	.38
20.2250	.38	.38	.37	.37	.37
20.3500	.37	.37	.37	.37	.37
20.4750	.37	.37	.37	.37	.36
20.6000	.36	.36	.36	.36	.36
20.7250	.36	.36	.36	.36	.36
20.8500	.36	.36	.35	.35	.35
20.9750	.35	.35	.35	.35	.35
21.1000	.35	.35	.35	.35	.35
21.2250	.34	.34	.34	.34	.34
21.3500	.34	.34	.34	.34	.34
21.4750	.34	.34	.34	.33	.33
21.6000	.33	.33	.33	.33	.33
21.7250	.33	.33	.33	.33	.33
21.8500	.33	.32	.32	.32	.32
21.9750	.32	.32	.32	.32	.32
22.1000	.32	.32	.32	.32	.31
22.2250	.31	.31	.31	.31	.31
22.3500	.31	.31	.31	.31	.31
22.4750	.31	.30	.30	.30	.30
22.6000	.30	.30	.30	.30	.30
22.7250	.30	.30	.30	.30	.30
22.8500	.29	.29	.29	.29	.29
22.9750	.29	.29	.29	.29	.29
23.1000	.29	.29	.28	.28	.28
23.2250	.28	.28	.28	.28	.28
23.3500	.28	.28	.28	.28	.28
23.4750	.27	.27	.27	.27	.27
23.6000	.27	.27	.27	.27	.27
23.7250	.27	.27	.27	.26	.26
23.8500	.26	.26	.26	.26	.26
23.9750	.26	.26	.25	.25	.24
24.1000	.24	.23	.21	.19	.18
24.2250	.16	.14	.12	.10	.09
24.3500	.07	.06	.05	.04	.04
24.4750	.03	.03	.02	.02	.02
24.6000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0250 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0250 hrs				
	Time on left represents time for first value in each row.				
24.7250	.01	.00	.00	.00	.00
24.8500	.00	.00	.00	.00	.00
24.9750	.00				

MASTER DESIGN STORM SUMMARY

Network Storm Collection: Newburgh, Orange

Return Event	Total Depth in	Rainfall Type	RNF ID
2	3.5000	Synthetic Curve	TypeIII 24hr
10	5.5000	Synthetic Curve	TypeIII 24hr
25	6.5000	Synthetic Curve	TypeIII 24hr
50	7.0000	Synthetic Curve	TypeIII 24hr
100	7.5000	Synthetic Curve	TypeIII 24hr

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
D.A. A	AREA	2	270266		12.1750	65.50		
D.A. A	AREA	10	593867		12.1500	147.73		
D.A. A	AREA	25	770659		12.1500	191.84		
D.A. A	AREA	50	861445		12.1500	214.24		
D.A. A	AREA	100	953511		12.1500	236.80		
D.A. B	AREA	2	3659		12.1500	.87		
D.A. B	AREA	10	8762		12.1500	2.22		
D.A. B	AREA	25	11640		12.1500	2.97		
D.A. B	AREA	50	13133		12.1500	3.35		
D.A. B	AREA	100	14655		12.1500	3.74		
D.A. C	AREA	2	270212		12.2250	58.41		
D.A. C	AREA	10	613635		12.2250	137.80		
D.A. C	AREA	25	803536		12.2000	181.12		
D.A. C	AREA	50	901436		12.2000	203.28		
D.A. C	AREA	100	1000927		12.2000	225.66		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
D.A. D	AREA	2	23287		12.3750	3.54		
D.A. D	AREA	10	68252		12.3000	12.97		
D.A. D	AREA	25	95428		12.2750	18.75		
D.A. D	AREA	50	109851		12.2750	21.81		
D.A. D	AREA	100	124742		12.2750	24.95		
D.A. E	AREA	2	10811		12.3750	1.64		
D.A. E	AREA	10	31688		12.3000	6.02		
D.A. E	AREA	25	44306		12.2750	8.70		
D.A. E	AREA	50	51002		12.2750	10.12		
D.A. E	AREA	100	57916		12.2750	11.58		
*DESIGN POINT A	JCT	2	270266		12.1750	65.50		
*DESIGN POINT A	JCT	10	593867		12.1500	147.73		
*DESIGN POINT A	JCT	25	770659		12.1500	191.84		
*DESIGN POINT A	JCT	50	861445		12.1500	214.24		
*DESIGN POINT A	JCT	100	953511		12.1500	236.80		
*DESIGN POINT B	JCT	2	3658		12.1500	.87		
*DESIGN POINT B	JCT	10	8762		12.1500	2.22		
*DESIGN POINT B	JCT	25	11640		12.1500	2.97		
*DESIGN POINT B	JCT	50	13133		12.1500	3.35		
*DESIGN POINT B	JCT	100	14655		12.1500	3.74		
*DESIGN POINT C	JCT	2	270212		12.2250	58.41		
*DESIGN POINT C	JCT	10	613635		12.2250	137.80		
*DESIGN POINT C	JCT	25	803536		12.2000	181.12		
*DESIGN POINT C	JCT	50	901436		12.2000	203.28		
*DESIGN POINT C	JCT	100	1000927		12.2000	225.66		
*DESIGN POINT D	JCT	2	23287		12.3750	3.54		
*DESIGN POINT D	JCT	10	68252		12.3000	12.97		
*DESIGN POINT D	JCT	25	95428		12.2750	18.75		
*DESIGN POINT D	JCT	50	109851		12.2750	21.81		
*DESIGN POINT D	JCT	100	124742		12.2750	24.95		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Return Type	Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
*DESIGN POINT E	JCT	2	10811		12.3750	1.64		
*DESIGN POINT E	JCT	10	31688		12.3000	6.02		
*DESIGN POINT E	JCT	25	44306		12.2750	8.70		
*DESIGN POINT E	JCT	50	51002		12.2750	10.12		
*DESIGN POINT E	JCT	100	57916		12.2750	11.58		

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**V.B. Developed
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D.A. DD	2 Unit Hyd. (HYG output)	325
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DB AA	IN	50	Node: Pond Inflow Summary	382
DB AA	IN	100	Node: Pond Inflow Summary	389
DB AA	OUT	2	Pond Routing Summary	396
DB AA	OUT	2	Pond Routed HYG (total out)	397
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DB AA	OUT	25	Pond Routed HYG (total out)	411
DB AA	OUT	50	Pond Routing Summary	418
DB AA	OUT	50	Pond Routed HYG (total out)	419
DB AA	OUT	100	Pond Routing Summary	426
DB AA	OUT	100	Pond Routed HYG (total out)	427
DB AA Outlet			Outlet Input Data	434
DB AA OUTLET		2	Diverted Hydrograph	436
DB AA OUTLET		10	Diverted Hydrograph	442
DB AA OUTLET		25	Diverted Hydrograph	448
DB AA OUTLET		50	Diverted Hydrograph	455
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DB CC-4	IN	2	Node: Pond Inflow Summary	470
DB CC-4	IN	10	Node: Pond Inflow Summary	476
DB CC-4	IN	25	Node: Pond Inflow Summary	483
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DB CC-4	IN	100	Node: Pond Inflow Summary	497
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DB CC-4	OUT	2	Pond Routed HYG (total out)	505
DB CC-4	OUT	10	Pond Routing Summary	510
DB CC-4	OUT	10	Pond Routed HYG (total out)	511
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DB CC-4	OUT	25	Pond Routed HYG (total out)	518
DB CC-4	OUT	50	Pond Routing Summary	524
DB CC-4	OUT	50	Pond Routed HYG (total out)	525
DB CC-4	OUT	100	Pond Routing Summary	531
DB CC-4	OUT	100	Pond Routed HYG (total out)	532
DB CC-4 Outlet			Outlet Input Data	538
DB CC-4 OUTLET		2	Diverted Hydrograph	540
DB CC-4 OUTLET		10	Diverted Hydrograph	545
DB CC-4 OUTLET		25	Diverted Hydrograph	551
DB CC-4 OUTLET		50	Diverted Hydrograph	557
DB CC-4 OUTLET		100	Diverted Hydrograph	563
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OUTFALL DD	2	Node: Addition Summary	690
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WQB AA OUTLET	2	Diverted Hydrograph	735
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WQB AA OUTLET	25	Diverted Hydrograph	745
WQB AA OUTLET	50	Diverted Hydrograph	751
WQB AA OUTLET	100	Diverted Hydrograph	757
WQB CC-3 Outlet		Outlet Input Data	763
WQB CC-3 OUTLET	2	Diverted Hydrograph	765
WQB CC-3 OUTLET	10	Diverted Hydrograph	770
WQB CC-3 OUTLET	25	Diverted Hydrograph	775
WQB CC-3 OUTLET	50	Diverted Hydrograph	781
WQB CC-3 OUTLET	100	Diverted Hydrograph	787
WQB CC-4 Outlet		Outlet Input Data	793
WQB CC-4 OUTLET	2	Diverted Hydrograph	795
WQB CC-4 OUTLET	10	Diverted Hydrograph	800
WQB CC-4 OUTLET	25	Diverted Hydrograph	806
WQB CC-4 OUTLET	50	Diverted Hydrograph	812
WQB CC-4 OUTLET	100	Diverted Hydrograph	818
WQBASIN AA		Vol: Elev-Area	824
WQBASIN AA IN	2	Node: Pond Inflow Summary	825
WQBASIN AA IN	10	Node: Pond Inflow Summary	834
WQBASIN AA IN	25	Node: Pond Inflow Summary	844
WQBASIN AA IN	50	Node: Pond Inflow Summary	854
WQBASIN AA IN	100	Node: Pond Inflow Summary	864
WQBASIN AA OUT	2	Pond Routing Summary	874
WQBASIN AA OUT	2	Pond Routed HYG (total out)	875
WQBASIN AA OUT	10	Pond Routing Summary	883
WQBASIN AA OUT	10	Pond Routed HYG (total out)	884
WQBASIN AA OUT	25	Pond Routing Summary	893
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WQBASIN CC-3			Vol: Equations	925
WQBASIN CC-3	IN	2	Node: Pond Inflow Summary	926
WQBASIN CC-3	IN	10	Node: Pond Inflow Summary	935
WQBASIN CC-3	IN	25	Node: Pond Inflow Summary	945
WQBASIN CC-3	IN	50	Node: Pond Inflow Summary	955
WQBASIN CC-3	IN	100	Node: Pond Inflow Summary	965
WQBASIN CC-3	OUT	2	Pond Routing Summary	975
WQBASIN CC-3	OUT	2	Pond Routed HYG (total out)	976
WQBASIN CC-3	OUT	10	Pond Routing Summary	984
WQBASIN CC-3	OUT	10	Pond Routed HYG (total out)	985
WQBASIN CC-3	OUT	25	Pond Routing Summary	994
WQBASIN CC-3	OUT	25	Pond Routed HYG (total out)	995
WQBASIN CC-3	OUT	50	Pond Routing Summary	1004
WQBASIN CC-3	OUT	50	Pond Routed HYG (total out) ...	1005
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WQBASIN CC-3	OUT	100	Pond Routed HYG (total out) ...	1015
WQBASIN CC-4			Vol: Elev-Area	1024
WQBASIN CC-4	IN	2	Node: Pond Inflow Summary	1025
WQBASIN CC-4	IN	10	Node: Pond Inflow Summary	1034
WQBASIN CC-4	IN	25	Node: Pond Inflow Summary	1044
WQBASIN CC-4	IN	50	Node: Pond Inflow Summary	1054
WQBASIN CC-4	IN	100	Node: Pond Inflow Summary	1064
WQBASIN CC-4	OUT	2	Pond Routing Summary	1074
WQBASIN CC-4	OUT	2	Pond Routed HYG (total out) ...	1075
WQBASIN CC-4	OUT	10	Pond Routing Summary	1083
WQBASIN CC-4	OUT	10	Pond Routed HYG (total out) ...	1084
WQBASIN CC-4	OUT	25	Pond Routing Summary	1093
WQBASIN CC-4	OUT	25	Pond Routed HYG (total out) ...	1094
WQBASIN CC-4	OUT	50	Pond Routing Summary	1103
WQBASIN CC-4	OUT	50	Pond Routed HYG (total out) ...	1104
WQBASIN CC-4	OUT	100	Pond Routing Summary	1113
WQBASIN CC-4	OUT	100	Pond Routed HYG (total out) ...	1114

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .0110
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .020000 ft/ft

Avg.Velocity 1.44 ft/sec

Segment #1 Time: .0193 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 1363.00 ft
Slope .020000 ft/ft
Paved

Avg.Velocity 2.87 ft/sec

Segment #2 Time: .1317 hrs

Segment #3: Tc: User Defined

Segment #3 Time: .0100 hrs

Segment #4: Tc: User Defined

Segment #4 Time: .0700 hrs

=====
Total Tc: .2310 hrs
=====

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. AA-1

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	77	28.600			77.00

COMPOSITE AREA & WEIGHTED CN ---> 28.600 77.00 (77)
.....

Name... D.A. AA-1 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. AA-1 2

Tc = .2310 hrs

Drainage Area = 28.600 acres Runoff CN= 77

=====
Computational Time Increment = .03080 hrs
Computed Peak Time = 12.1664 hrs
Computed Peak Flow = 35.03 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 35.02 cfs
=====

DRAINAGE AREA

ID:D.A. AA-1
CN = 77
Area = 28.600 acres
S = 2.9870 in
0.2S = .5974 in

Cumulative Runoff

1.4305 in
148511 cu.ft

HYG Volume... 148510 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .23101 hrs (ID: D.A. AA-1)
Computational Incr, Tm = .03080 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 140.28 cfs
Unit peak time Tp = .15400 hrs
Unit receding limb, Tr = .61602 hrs
Total unit time, Tb = .77002 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 2
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77
 Calc.Increment= .03080 hrs Out.Incr.= .0125 hrs
 HYG Volume = 148510 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.6750	.00	.00	.00	.00	.01
9.7375	.01	.01	.01	.01	.02
9.8000	.02	.03	.03	.03	.04
9.8625	.04	.05	.05	.06	.06
9.9250	.07	.08	.08	.09	.09
9.9875	.10	.11	.11	.12	.13
10.0500	.13	.14	.15	.15	.16
10.1125	.17	.18	.18	.19	.20
10.1750	.21	.21	.22	.23	.24
10.2375	.25	.25	.26	.27	.28
10.3000	.29	.30	.31	.32	.32
10.3625	.33	.34	.35	.36	.37
10.4250	.38	.39	.40	.41	.42
10.4875	.43	.45	.46	.47	.48
10.5500	.49	.50	.51	.52	.54
10.6125	.55	.56	.57	.58	.59
10.6750	.61	.62	.63	.64	.66
10.7375	.67	.68	.70	.71	.72
10.8000	.74	.75	.76	.78	.79
10.8625	.81	.82	.83	.85	.86
10.9250	.88	.89	.91	.92	.94
10.9875	.95	.97	.98	1.00	1.01
11.0500	1.03	1.05	1.07	1.09	1.11
11.1125	1.13	1.15	1.17	1.19	1.22
11.1750	1.24	1.27	1.29	1.32	1.35
11.2375	1.38	1.41	1.44	1.48	1.51
11.3000	1.54	1.58	1.62	1.65	1.69
11.3625	1.73	1.77	1.81	1.85	1.89
11.4250	1.93	1.97	2.01	2.06	2.10
11.4875	2.15	2.20	2.25	2.30	2.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.5500	2.43	2.51	2.59	2.69	2.80
11.6125	2.91	3.05	3.19	3.35	3.53
11.6750	3.72	3.95	4.18	4.44	4.71
11.7375	4.99	5.30	5.61	5.95	6.31
11.8000	6.68	7.08	7.48	7.90	8.33
11.8625	8.78	9.26	9.73	10.29	10.87
11.9250	11.51	12.27	13.02	14.06	15.12
11.9875	16.34	17.74	19.13	20.70	22.28
12.0500	23.86	25.46	27.05	28.54	30.03
12.1125	31.32	32.48	33.56	34.19	34.83
12.1750	35.02	35.01	34.89	34.36	33.83
12.2375	33.09	32.29	31.44	30.51	29.59
12.3000	28.66	27.74	26.86	26.06	25.26
12.3625	24.53	23.80	23.09	22.40	21.70
12.4250	21.03	20.37	19.71	19.07	18.42
12.4875	17.77	17.11	16.47	15.84	15.22
12.5500	14.63	14.04	13.48	12.92	12.38
12.6125	11.88	11.38	10.93	10.51	10.10
12.6750	9.75	9.40	9.10	8.81	8.55
12.7375	8.32	8.10	7.91	7.73	7.57
12.8000	7.42	7.27	7.15	7.02	6.91
12.8625	6.80	6.69	6.60	6.50	6.41
12.9250	6.32	6.23	6.15	6.07	5.99
12.9875	5.91	5.83	5.76	5.68	5.61
13.0500	5.54	5.47	5.41	5.34	5.28
13.1125	5.22	5.16	5.11	5.06	5.01
13.1750	4.97	4.93	4.89	4.85	4.82
13.2375	4.78	4.75	4.73	4.70	4.68
13.3000	4.65	4.63	4.61	4.58	4.56
13.3625	4.54	4.52	4.50	4.48	4.46
13.4250	4.44	4.42	4.41	4.39	4.37
13.4875	4.35	4.33	4.31	4.30	4.28
13.5500	4.26	4.24	4.22	4.21	4.19
13.6125	4.17	4.15	4.14	4.12	4.10
13.6750	4.08	4.06	4.05	4.03	4.01
13.7375	3.99	3.97	3.96	3.94	3.92
13.8000	3.90	3.88	3.87	3.85	3.83
13.8625	3.81	3.79	3.77	3.76	3.74
13.9250	3.72	3.70	3.68	3.66	3.64
13.9875	3.63	3.61	3.59	3.57	3.55
14.0500	3.53	3.52	3.50	3.48	3.47
14.1125	3.45	3.43	3.42	3.40	3.39
14.1750	3.38	3.36	3.35	3.34	3.33
14.2375	3.31	3.30	3.29	3.28	3.27
14.3000	3.26	3.25	3.24	3.23	3.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.3625	3.21	3.20	3.19	3.19	3.18
14.4250	3.17	3.16	3.15	3.14	3.13
14.4875	3.12	3.11	3.10	3.10	3.09
14.5500	3.08	3.07	3.06	3.05	3.04
14.6125	3.03	3.02	3.02	3.01	3.00
14.6750	2.99	2.98	2.97	2.96	2.95
14.7375	2.94	2.94	2.93	2.92	2.91
14.8000	2.90	2.89	2.88	2.87	2.86
14.8625	2.85	2.85	2.84	2.83	2.82
14.9250	2.81	2.80	2.79	2.78	2.77
14.9875	2.76	2.75	2.74	2.74	2.73
15.0500	2.72	2.71	2.70	2.69	2.68
15.1125	2.67	2.66	2.65	2.64	2.63
15.1750	2.62	2.61	2.61	2.60	2.59
15.2375	2.58	2.57	2.56	2.55	2.54
15.3000	2.53	2.52	2.51	2.50	2.49
15.3625	2.48	2.47	2.46	2.46	2.45
15.4250	2.44	2.43	2.42	2.41	2.40
15.4875	2.39	2.38	2.37	2.36	2.35
15.5500	2.34	2.33	2.32	2.31	2.30
15.6125	2.29	2.28	2.27	2.26	2.25
15.6750	2.24	2.24	2.23	2.22	2.21
15.7375	2.20	2.19	2.18	2.17	2.16
15.8000	2.15	2.14	2.13	2.12	2.11
15.8625	2.10	2.09	2.08	2.07	2.06
15.9250	2.05	2.04	2.03	2.02	2.01
15.9875	2.00	1.99	1.98	1.97	1.96
16.0500	1.95	1.95	1.94	1.93	1.92
16.1125	1.91	1.90	1.89	1.89	1.88
16.1750	1.87	1.87	1.86	1.85	1.85
16.2375	1.84	1.84	1.83	1.82	1.82
16.3000	1.81	1.81	1.81	1.80	1.80
16.3625	1.79	1.79	1.78	1.78	1.77
16.4250	1.77	1.76	1.76	1.76	1.75
16.4875	1.75	1.74	1.74	1.73	1.73
16.5500	1.73	1.72	1.72	1.71	1.71
16.6125	1.71	1.70	1.70	1.69	1.69
16.6750	1.68	1.68	1.68	1.67	1.67
16.7375	1.66	1.66	1.65	1.65	1.65
16.8000	1.64	1.64	1.63	1.63	1.62
16.8625	1.62	1.62	1.61	1.61	1.60
16.9250	1.60	1.59	1.59	1.59	1.58
16.9875	1.58	1.57	1.57	1.56	1.56
17.0500	1.56	1.55	1.55	1.54	1.54
17.1125	1.53	1.53	1.53	1.52	1.52

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.1750	1.51	1.51	1.51	1.50	1.50
17.2375	1.49	1.49	1.48	1.48	1.47
17.3000	1.47	1.47	1.46	1.46	1.45
17.3625	1.45	1.45	1.44	1.44	1.43
17.4250	1.43	1.42	1.42	1.41	1.41
17.4875	1.41	1.40	1.40	1.39	1.39
17.5500	1.38	1.38	1.38	1.37	1.37
17.6125	1.36	1.36	1.35	1.35	1.34
17.6750	1.34	1.34	1.33	1.33	1.32
17.7375	1.32	1.31	1.31	1.31	1.30
17.8000	1.30	1.29	1.29	1.28	1.28
17.8625	1.27	1.27	1.27	1.26	1.26
17.9250	1.25	1.25	1.24	1.24	1.24
17.9875	1.23	1.23	1.22	1.22	1.21
18.0500	1.21	1.20	1.20	1.20	1.19
18.1125	1.19	1.18	1.18	1.18	1.18
18.1750	1.17	1.17	1.17	1.17	1.16
18.2375	1.16	1.16	1.16	1.16	1.15
18.3000	1.15	1.15	1.15	1.15	1.15
18.3625	1.14	1.14	1.14	1.14	1.14
18.4250	1.14	1.14	1.14	1.13	1.13
18.4875	1.13	1.13	1.13	1.13	1.13
18.5500	1.12	1.12	1.12	1.12	1.12
18.6125	1.12	1.12	1.12	1.11	1.11
18.6750	1.11	1.11	1.11	1.11	1.11
18.7375	1.11	1.10	1.10	1.10	1.10
18.8000	1.10	1.10	1.10	1.10	1.09
18.8625	1.09	1.09	1.09	1.09	1.09
18.9250	1.09	1.09	1.08	1.08	1.08
18.9875	1.08	1.08	1.08	1.08	1.08
19.0500	1.07	1.07	1.07	1.07	1.07
19.1125	1.07	1.07	1.06	1.06	1.06
19.1750	1.06	1.06	1.06	1.06	1.06
19.2375	1.05	1.05	1.05	1.05	1.05
19.3000	1.05	1.05	1.05	1.04	1.04
19.3625	1.04	1.04	1.04	1.04	1.04
19.4250	1.04	1.03	1.03	1.03	1.03
19.4875	1.03	1.03	1.03	1.03	1.02
19.5500	1.02	1.02	1.02	1.02	1.02
19.6125	1.02	1.01	1.01	1.01	1.01
19.6750	1.01	1.01	1.01	1.01	1.00
19.7375	1.00	1.00	1.00	1.00	1.00
19.8000	1.00	1.00	.99	.99	.99
19.8625	.99	.99	.99	.99	.99
19.9250	.98	.98	.98	.98	.98

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.9875	.98	.98	.97	.97	.97
20.0500	.97	.97	.97	.97	.97
20.1125	.96	.96	.96	.96	.96
20.1750	.96	.96	.96	.96	.95
20.2375	.95	.95	.95	.95	.95
20.3000	.95	.95	.95	.95	.94
20.3625	.94	.94	.94	.94	.94
20.4250	.94	.94	.94	.94	.93
20.4875	.93	.93	.93	.93	.93
20.5500	.93	.93	.93	.93	.92
20.6125	.92	.92	.92	.92	.92
20.6750	.92	.92	.92	.92	.91
20.7375	.91	.91	.91	.91	.91
20.8000	.91	.91	.91	.91	.90
20.8625	.90	.90	.90	.90	.90
20.9250	.90	.90	.90	.90	.89
20.9875	.89	.89	.89	.89	.89
21.0500	.89	.89	.89	.89	.89
21.1125	.89	.88	.88	.88	.88
21.1750	.88	.88	.88	.88	.88
21.2375	.87	.87	.87	.87	.87
21.3000	.87	.87	.87	.87	.87
21.3625	.86	.86	.86	.86	.86
21.4250	.86	.86	.86	.86	.86
21.4875	.85	.85	.85	.85	.85
21.5500	.85	.85	.85	.85	.84
21.6125	.84	.84	.84	.84	.84
21.6750	.84	.84	.84	.84	.84
21.7375	.83	.83	.83	.83	.83
21.8000	.83	.83	.83	.83	.83
21.8625	.83	.83	.82	.82	.82
21.9250	.82	.82	.82	.82	.82
21.9875	.82	.81	.81	.81	.81
22.0500	.81	.81	.81	.81	.81
22.1125	.80	.80	.80	.80	.80
22.1750	.80	.80	.80	.80	.80
22.2375	.80	.79	.79	.79	.79
22.3000	.79	.79	.79	.79	.78
22.3625	.78	.78	.78	.78	.78
22.4250	.78	.78	.78	.78	.78
22.4875	.77	.77	.77	.77	.77
22.5500	.77	.77	.77	.77	.77
22.6125	.77	.76	.76	.76	.76
22.6750	.76	.76	.76	.76	.76
22.7375	.76	.75	.75	.75	.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
22.8000	.75	.75	.75	.75	.75
22.8625	.74	.74	.74	.74	.74
22.9250	.74	.74	.74	.74	.74
22.9875	.74	.73	.73	.73	.73
23.0500	.73	.73	.73	.73	.73
23.1125	.72	.72	.72	.72	.72
23.1750	.72	.72	.72	.72	.71
23.2375	.71	.71	.71	.71	.71
23.3000	.71	.71	.71	.71	.70
23.3625	.70	.70	.70	.70	.70
23.4250	.70	.70	.70	.70	.70
23.4875	.70	.69	.69	.69	.69
23.5500	.69	.69	.69	.69	.69
23.6125	.68	.68	.68	.68	.68
23.6750	.68	.68	.68	.68	.67
23.7375	.67	.67	.67	.67	.67
23.8000	.67	.67	.67	.67	.66
23.8625	.66	.66	.66	.66	.66
23.9250	.66	.66	.66	.65	.65
23.9875	.65	.65	.65	.64	.63
24.0500	.62	.60	.58	.55	.52
24.1125	.48	.45	.41	.37	.33
24.1750	.29	.26	.23	.20	.17
24.2375	.15	.13	.12	.10	.09
24.3000	.08	.07	.06	.05	.05
24.3625	.04	.03	.03	.03	.02
24.4250	.02	.02	.02	.01	.01
24.4875	.01	.01	.01	.01	.01
24.5500	.00	.00	.00	.00	.00
24.6125	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 10
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77

=====
 Computational Time Increment = .03080 hrs
 Computed Peak Time = 12.1664 hrs
 Computed Peak Flow = 76.19 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1749 hrs
 Peak Flow, Interpolated Output = 75.93 cfs
 =====

DRAINAGE AREA

 ID:D.A. AA-1
 CN = 77
 Area = 28.600 acres
 S = 2.9870 in
 0.2S = .5974 in

Cumulative Runoff

 3.0465 in
 316278 cu.ft

HYG Volume... 316276 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .23101 hrs (ID: D.A. AA-1)
 Computational Incr, Tm = .03080 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 140.28 cfs
 Unit peak time Tp = .15400 hrs
 Unit receding limb, Tr = .61602 hrs
 Total unit time, Tb = .77002 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 10
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77
 Calc.Increment= .03080 hrs Out.Incr.= .0125 hrs
 HYG Volume = 316276 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.8625	.00	.00	.00	.00	.00
7.9250	.01	.01	.01	.01	.02
7.9875	.02	.02	.02	.03	.03
8.0500	.04	.04	.04	.05	.05
8.1125	.06	.06	.07	.07	.08
8.1750	.08	.09	.09	.10	.10
8.2375	.11	.11	.12	.12	.13
8.3000	.14	.14	.15	.15	.16
8.3625	.17	.17	.18	.18	.19
8.4250	.20	.20	.21	.22	.22
8.4875	.23	.24	.25	.25	.26
8.5500	.27	.28	.28	.29	.30
8.6125	.31	.31	.32	.33	.34
8.6750	.35	.35	.36	.37	.38
8.7375	.39	.40	.40	.41	.42
8.8000	.43	.44	.45	.46	.47
8.8625	.48	.49	.49	.50	.51
8.9250	.52	.53	.54	.55	.56
8.9875	.57	.58	.59	.60	.61
9.0500	.62	.63	.64	.66	.67
9.1125	.68	.69	.70	.71	.72
9.1750	.73	.74	.75	.77	.78
9.2375	.79	.80	.81	.82	.84
9.3000	.85	.86	.87	.88	.90
9.3625	.91	.92	.93	.95	.96
9.4250	.97	.98	1.00	1.01	1.02
9.4875	1.04	1.05	1.06	1.08	1.09
9.5500	1.10	1.12	1.13	1.14	1.16
9.6125	1.17	1.18	1.20	1.21	1.23
9.6750	1.24	1.25	1.27	1.28	1.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.7375	1.31	1.33	1.34	1.36	1.37
9.8000	1.39	1.40	1.42	1.43	1.45
9.8625	1.46	1.48	1.49	1.51	1.52
9.9250	1.54	1.55	1.57	1.59	1.60
9.9875	1.62	1.63	1.65	1.67	1.68
10.0500	1.70	1.72	1.73	1.75	1.77
10.1125	1.79	1.81	1.83	1.84	1.86
10.1750	1.88	1.91	1.93	1.95	1.97
10.2375	1.99	2.02	2.04	2.06	2.08
10.3000	2.11	2.13	2.16	2.18	2.21
10.3625	2.23	2.26	2.28	2.31	2.34
10.4250	2.36	2.39	2.42	2.44	2.47
10.4875	2.50	2.52	2.55	2.58	2.61
10.5500	2.63	2.66	2.69	2.72	2.75
10.6125	2.78	2.81	2.84	2.87	2.90
10.6750	2.93	2.96	2.99	3.02	3.05
10.7375	3.08	3.11	3.14	3.17	3.21
10.8000	3.24	3.27	3.30	3.33	3.37
10.8625	3.40	3.43	3.46	3.50	3.53
10.9250	3.56	3.60	3.63	3.67	3.70
10.9875	3.73	3.77	3.81	3.84	3.88
11.0500	3.92	3.96	4.00	4.04	4.09
11.1125	4.14	4.19	4.25	4.30	4.37
11.1750	4.43	4.50	4.57	4.64	4.72
11.2375	4.79	4.87	4.95	5.04	5.13
11.3000	5.21	5.30	5.40	5.49	5.58
11.3625	5.68	5.77	5.87	5.97	6.08
11.4250	6.18	6.28	6.39	6.49	6.60
11.4875	6.71	6.83	6.95	7.08	7.24
11.5500	7.39	7.60	7.80	8.05	8.33
11.6125	8.61	8.98	9.34	9.76	10.23
11.6750	10.71	11.29	11.87	12.52	13.20
11.7375	13.90	14.66	15.43	16.26	17.12
11.8000	18.01	18.95	19.89	20.87	21.86
11.8625	22.87	23.94	25.01	26.25	27.52
11.9250	28.93	30.57	32.21	34.46	36.76
11.9875	39.37	42.35	45.33	48.62	51.91
12.0500	55.17	58.41	61.63	64.54	67.46
12.1125	69.89	72.00	73.95	74.92	75.88
12.1750	75.93	75.54	74.93	73.49	72.06
12.2375	70.22	68.24	66.22	64.04	61.87
12.3000	59.74	57.63	55.62	53.81	51.99
12.3625	50.35	48.73	47.15	45.62	44.08
12.4250	42.64	41.20	39.79	38.41	37.03
12.4875	35.66	34.29	32.95	31.64	30.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.5500	29.13	27.92	26.77	25.63	24.52
12.6125	23.50	22.48	21.58	20.72	19.90
12.6750	19.19	18.48	17.87	17.29	16.75
12.7375	16.30	15.84	15.47	15.11	14.77
12.8000	14.47	14.17	13.92	13.67	13.44
12.8625	13.22	13.01	12.82	12.62	12.44
12.9250	12.26	12.08	11.92	11.76	11.60
12.9875	11.44	11.28	11.13	10.98	10.84
13.0500	10.70	10.56	10.43	10.30	10.18
13.1125	10.06	9.95	9.84	9.74	9.65
13.1750	9.56	9.48	9.40	9.32	9.26
13.2375	9.19	9.13	9.08	9.02	8.97
13.3000	8.93	8.88	8.83	8.79	8.75
13.3625	8.70	8.66	8.62	8.58	8.54
13.4250	8.50	8.47	8.43	8.39	8.35
13.4875	8.32	8.28	8.24	8.21	8.17
13.5500	8.13	8.10	8.06	8.03	7.99
13.6125	7.95	7.92	7.88	7.85	7.81
13.6750	7.77	7.74	7.70	7.67	7.63
13.7375	7.60	7.56	7.52	7.49	7.45
13.8000	7.42	7.38	7.34	7.31	7.27
13.8625	7.24	7.20	7.16	7.13	7.09
13.9250	7.05	7.02	6.98	6.94	6.91
13.9875	6.87	6.83	6.80	6.76	6.72
14.0500	6.69	6.66	6.62	6.59	6.56
14.1125	6.52	6.49	6.46	6.43	6.41
14.1750	6.38	6.35	6.33	6.30	6.28
14.2375	6.26	6.24	6.22	6.20	6.17
14.3000	6.15	6.13	6.11	6.10	6.08
14.3625	6.06	6.04	6.02	6.00	5.98
14.4250	5.97	5.95	5.93	5.91	5.90
14.4875	5.88	5.86	5.84	5.82	5.81
14.5500	5.79	5.77	5.75	5.74	5.72
14.6125	5.70	5.68	5.67	5.65	5.63
14.6750	5.62	5.60	5.58	5.56	5.54
14.7375	5.53	5.51	5.49	5.47	5.46
14.8000	5.44	5.42	5.40	5.38	5.37
14.8625	5.35	5.33	5.31	5.30	5.28
14.9250	5.26	5.24	5.23	5.21	5.19
14.9875	5.17	5.15	5.14	5.12	5.10
15.0500	5.08	5.07	5.05	5.03	5.01
15.1125	4.99	4.98	4.96	4.94	4.92
15.1750	4.90	4.89	4.87	4.85	4.83
15.2375	4.81	4.80	4.78	4.76	4.74
15.3000	4.72	4.70	4.69	4.67	4.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.3625	4.63	4.61	4.60	4.58	4.56
15.4250	4.54	4.52	4.51	4.49	4.47
15.4875	4.45	4.43	4.42	4.40	4.38
15.5500	4.36	4.34	4.32	4.30	4.29
15.6125	4.27	4.25	4.23	4.21	4.20
15.6750	4.18	4.16	4.14	4.12	4.10
15.7375	4.09	4.07	4.05	4.03	4.01
15.8000	3.99	3.98	3.96	3.94	3.92
15.8625	3.90	3.88	3.87	3.85	3.83
15.9250	3.81	3.79	3.77	3.75	3.74
15.9875	3.72	3.70	3.68	3.66	3.64
16.0500	3.63	3.61	3.59	3.58	3.56
16.1125	3.54	3.53	3.52	3.50	3.49
16.1750	3.47	3.46	3.45	3.44	3.42
16.2375	3.41	3.40	3.39	3.38	3.37
16.3000	3.36	3.35	3.34	3.34	3.33
16.3625	3.32	3.31	3.30	3.29	3.28
16.4250	3.28	3.27	3.26	3.25	3.24
16.4875	3.23	3.23	3.22	3.21	3.20
16.5500	3.19	3.19	3.18	3.17	3.16
16.6125	3.15	3.15	3.14	3.13	3.12
16.6750	3.11	3.11	3.10	3.09	3.08
16.7375	3.07	3.07	3.06	3.05	3.04
16.8000	3.03	3.03	3.02	3.01	3.00
16.8625	2.99	2.98	2.98	2.97	2.96
16.9250	2.95	2.95	2.94	2.93	2.92
16.9875	2.91	2.91	2.90	2.89	2.88
17.0500	2.87	2.86	2.86	2.85	2.84
17.1125	2.83	2.82	2.82	2.81	2.80
17.1750	2.79	2.79	2.78	2.77	2.76
17.2375	2.75	2.74	2.74	2.73	2.72
17.3000	2.71	2.70	2.69	2.69	2.68
17.3625	2.67	2.66	2.66	2.65	2.64
17.4250	2.63	2.62	2.61	2.61	2.60
17.4875	2.59	2.58	2.57	2.57	2.56
17.5500	2.55	2.54	2.53	2.53	2.52
17.6125	2.51	2.50	2.49	2.48	2.47
17.6750	2.47	2.46	2.45	2.44	2.43
17.7375	2.43	2.42	2.41	2.40	2.39
17.8000	2.39	2.38	2.37	2.36	2.35
17.8625	2.34	2.34	2.33	2.32	2.31
17.9250	2.30	2.30	2.29	2.28	2.27
17.9875	2.26	2.26	2.25	2.24	2.23
18.0500	2.22	2.21	2.21	2.20	2.19
18.1125	2.18	2.18	2.17	2.17	2.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.1750	2.16	2.15	2.15	2.14	2.14
18.2375	2.13	2.13	2.13	2.12	2.12
18.3000	2.12	2.11	2.11	2.11	2.11
18.3625	2.10	2.10	2.10	2.09	2.09
18.4250	2.09	2.09	2.08	2.08	2.08
18.4875	2.08	2.07	2.07	2.07	2.07
18.5500	2.06	2.06	2.06	2.06	2.05
18.6125	2.05	2.05	2.05	2.05	2.04
18.6750	2.04	2.04	2.04	2.03	2.03
18.7375	2.03	2.03	2.02	2.02	2.02
18.8000	2.02	2.01	2.01	2.01	2.01
18.8625	2.00	2.00	2.00	2.00	1.99
18.9250	1.99	1.99	1.99	1.98	1.98
18.9875	1.98	1.98	1.98	1.97	1.97
19.0500	1.97	1.97	1.96	1.96	1.96
19.1125	1.96	1.95	1.95	1.95	1.95
19.1750	1.94	1.94	1.94	1.94	1.93
19.2375	1.93	1.93	1.93	1.93	1.92
19.3000	1.92	1.92	1.91	1.91	1.91
19.3625	1.91	1.90	1.90	1.90	1.90
19.4250	1.90	1.89	1.89	1.89	1.89
19.4875	1.88	1.88	1.88	1.88	1.87
19.5500	1.87	1.87	1.87	1.86	1.86
19.6125	1.86	1.86	1.85	1.85	1.85
19.6750	1.85	1.84	1.84	1.84	1.84
19.7375	1.83	1.83	1.83	1.83	1.82
19.8000	1.82	1.82	1.82	1.82	1.81
19.8625	1.81	1.81	1.81	1.80	1.80
19.9250	1.80	1.80	1.79	1.79	1.79
19.9875	1.79	1.78	1.78	1.78	1.78
20.0500	1.77	1.77	1.77	1.77	1.76
20.1125	1.76	1.76	1.76	1.75	1.75
20.1750	1.75	1.75	1.75	1.75	1.74
20.2375	1.74	1.74	1.74	1.74	1.74
20.3000	1.73	1.73	1.73	1.73	1.73
20.3625	1.72	1.72	1.72	1.72	1.71
20.4250	1.71	1.71	1.71	1.71	1.71
20.4875	1.70	1.70	1.70	1.70	1.70
20.5500	1.69	1.69	1.69	1.69	1.69
20.6125	1.69	1.68	1.68	1.68	1.68
20.6750	1.68	1.67	1.67	1.67	1.67
20.7375	1.67	1.66	1.66	1.66	1.66
20.8000	1.66	1.65	1.65	1.65	1.65
20.8625	1.65	1.65	1.64	1.64	1.64
20.9250	1.64	1.64	1.64	1.63	1.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.9875	1.63	1.63	1.63	1.63	1.62
21.0500	1.62	1.62	1.62	1.62	1.62
21.1125	1.61	1.61	1.61	1.61	1.61
21.1750	1.60	1.60	1.60	1.60	1.60
21.2375	1.59	1.59	1.59	1.59	1.59
21.3000	1.58	1.58	1.58	1.58	1.58
21.3625	1.58	1.57	1.57	1.57	1.57
21.4250	1.57	1.57	1.56	1.56	1.56
21.4875	1.56	1.55	1.55	1.55	1.55
21.5500	1.55	1.54	1.54	1.54	1.54
21.6125	1.54	1.53	1.53	1.53	1.53
21.6750	1.53	1.53	1.53	1.52	1.52
21.7375	1.52	1.52	1.52	1.51	1.51
21.8000	1.51	1.51	1.51	1.51	1.51
21.8625	1.50	1.50	1.50	1.50	1.50
21.9250	1.49	1.49	1.49	1.49	1.49
21.9875	1.48	1.48	1.48	1.48	1.48
22.0500	1.47	1.47	1.47	1.47	1.47
22.1125	1.46	1.46	1.46	1.46	1.46
22.1750	1.46	1.45	1.45	1.45	1.45
22.2375	1.45	1.44	1.44	1.44	1.44
22.3000	1.44	1.43	1.43	1.43	1.43
22.3625	1.42	1.42	1.42	1.42	1.42
22.4250	1.42	1.41	1.41	1.41	1.41
22.4875	1.41	1.41	1.40	1.40	1.40
22.5500	1.40	1.40	1.40	1.39	1.39
22.6125	1.39	1.39	1.39	1.39	1.38
22.6750	1.38	1.38	1.38	1.38	1.38
22.7375	1.37	1.37	1.37	1.37	1.36
22.8000	1.36	1.36	1.36	1.36	1.35
22.8625	1.35	1.35	1.35	1.35	1.35
22.9250	1.34	1.34	1.34	1.34	1.34
22.9875	1.33	1.33	1.33	1.33	1.33
23.0500	1.33	1.32	1.32	1.32	1.32
23.1125	1.31	1.31	1.31	1.31	1.31
23.1750	1.30	1.30	1.30	1.30	1.30
23.2375	1.30	1.29	1.29	1.29	1.29
23.3000	1.29	1.29	1.28	1.28	1.28
23.3625	1.28	1.28	1.27	1.27	1.27
23.4250	1.27	1.27	1.27	1.27	1.26
23.4875	1.26	1.26	1.26	1.26	1.25
23.5500	1.25	1.25	1.25	1.25	1.24
23.6125	1.24	1.24	1.24	1.23	1.23
23.6750	1.23	1.23	1.23	1.23	1.22
23.7375	1.22	1.22	1.22	1.22	1.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.8000	1.21	1.21	1.21	1.21	1.21
23.8625	1.20	1.20	1.20	1.20	1.19
23.9250	1.19	1.19	1.19	1.19	1.18
23.9875	1.18	1.18	1.17	1.16	1.14
24.0500	1.12	1.09	1.05	1.00	.94
24.1125	.88	.81	.74	.67	.60
24.1750	.53	.47	.41	.36	.32
24.2375	.27	.24	.21	.18	.16
24.3000	.14	.12	.11	.09	.08
24.3625	.07	.06	.06	.05	.04
24.4250	.04	.03	.03	.02	.02
24.4875	.02	.02	.01	.01	.01
24.5500	.01	.01	.01	.01	.00
24.6125	.00	.00	.00	.00	.00
24.6750	.00	.00			

Name... D.A. AA-1 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. AA-1 25
Tc = .2310 hrs
Drainage Area = 28.600 acres Runoff CN= 77

=====
Computational Time Increment = .03080 hrs
Computed Peak Time = 12.1664 hrs
Computed Peak Flow = 97.89 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1624 hrs
Peak Flow, Interpolated Output = 97.54 cfs
=====

DRAINAGE AREA

ID:D.A. AA-1
CN = 77
Area = 28.600 acres
S = 2.9870 in
0.2S = .5974 in

Cumulative Runoff

3.9193 in
406889 cu.ft

HYG Volume... 406887 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .23101 hrs (ID: D.A. AA-1)
Computational Incr, Tm = .03080 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 140.28 cfs
Unit peak time Tp = .15400 hrs
Unit receding limb, Tr = .61602 hrs
Total unit time, Tb = .77002 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 25
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77
 Calc.Increment= .03080 hrs Out.Incr.= .0125 hrs
 HYG Volume = 406887 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.1375	.00	.00	.00	.00	.00
7.2000	.01	.01	.01	.01	.01
7.2625	.02	.02	.02	.03	.03
7.3250	.04	.04	.04	.05	.05
7.3875	.06	.06	.07	.07	.08
7.4500	.08	.09	.09	.10	.10
7.5125	.11	.11	.12	.12	.13
7.5750	.13	.14	.14	.15	.16
7.6375	.16	.17	.17	.18	.18
7.7000	.19	.20	.20	.21	.21
7.7625	.22	.22	.23	.24	.24
7.8250	.25	.26	.26	.27	.27
7.8875	.28	.29	.29	.30	.31
7.9500	.31	.32	.33	.33	.34
8.0125	.34	.35	.36	.36	.37
8.0750	.38	.39	.39	.40	.41
8.1375	.41	.42	.43	.44	.45
8.2000	.45	.46	.47	.48	.49
8.2625	.50	.51	.51	.52	.53
8.3250	.54	.55	.56	.57	.58
8.3875	.59	.60	.61	.62	.63
8.4500	.64	.65	.66	.67	.68
8.5125	.69	.70	.71	.72	.74
8.5750	.75	.76	.77	.78	.79
8.6375	.80	.82	.83	.84	.85
8.7000	.86	.88	.89	.90	.91
8.7625	.93	.94	.95	.96	.98
8.8250	.99	1.00	1.02	1.03	1.04
8.8875	1.06	1.07	1.08	1.10	1.11
8.9500	1.12	1.14	1.15	1.17	1.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.0125	1.20	1.21	1.22	1.24	1.25
9.0750	1.27	1.28	1.30	1.31	1.33
9.1375	1.34	1.36	1.37	1.39	1.41
9.2000	1.42	1.44	1.45	1.47	1.48
9.2625	1.50	1.52	1.53	1.55	1.57
9.3250	1.58	1.60	1.62	1.63	1.65
9.3875	1.67	1.68	1.70	1.72	1.74
9.4500	1.75	1.77	1.79	1.81	1.83
9.5125	1.84	1.86	1.88	1.90	1.92
9.5750	1.93	1.95	1.97	1.99	2.01
9.6375	2.03	2.05	2.06	2.08	2.10
9.7000	2.12	2.14	2.16	2.18	2.20
9.7625	2.22	2.24	2.26	2.28	2.30
9.8250	2.32	2.34	2.36	2.38	2.40
9.8875	2.42	2.44	2.46	2.48	2.50
9.9500	2.52	2.54	2.57	2.59	2.61
10.0125	2.63	2.65	2.67	2.70	2.72
10.0750	2.74	2.76	2.79	2.81	2.84
10.1375	2.86	2.89	2.91	2.94	2.97
10.2000	3.00	3.03	3.06	3.09	3.12
10.2625	3.15	3.18	3.21	3.24	3.28
10.3250	3.31	3.34	3.38	3.41	3.45
10.3875	3.48	3.52	3.55	3.59	3.62
10.4500	3.66	3.69	3.73	3.77	3.80
10.5125	3.84	3.88	3.91	3.95	3.99
10.5750	4.03	4.06	4.10	4.14	4.18
10.6375	4.22	4.26	4.30	4.34	4.38
10.7000	4.42	4.46	4.50	4.54	4.58
10.7625	4.62	4.66	4.70	4.75	4.79
10.8250	4.83	4.87	4.91	4.96	5.00
10.8875	5.04	5.09	5.13	5.17	5.22
10.9500	5.26	5.30	5.35	5.39	5.44
11.0125	5.48	5.53	5.58	5.63	5.68
11.0750	5.74	5.80	5.86	5.93	6.00
11.1375	6.07	6.14	6.22	6.31	6.40
11.2000	6.49	6.59	6.69	6.79	6.90
11.2625	7.01	7.12	7.24	7.36	7.48
11.3250	7.60	7.72	7.85	7.97	8.10
11.3875	8.23	8.37	8.50	8.64	8.78
11.4500	8.91	9.05	9.19	9.33	9.49
11.5125	9.66	9.83	10.04	10.24	10.51
11.5750	10.79	11.12	11.49	11.87	12.36
11.6375	12.85	13.41	14.03	14.67	15.45
11.7000	16.23	17.09	18.00	18.92	19.93
11.7625	20.94	22.04	23.18	24.34	25.58

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
11.8250	26.81	28.09	29.38	30.70	32.08
11.8875	33.46	35.06	36.69	38.51	40.61
11.9500	42.71	45.60	48.54	51.89	55.70
12.0125	59.50	63.68	67.86	71.99	76.07
12.0750	80.12	83.75	87.38	90.38	92.96
12.1375	95.33	96.43	97.54	97.47	96.86
12.2000	95.95	94.01	92.07	89.63	87.03
12.2625	84.36	81.52	78.67	75.91	73.16
12.3250	70.55	68.20	65.84	63.72	61.62
12.3875	59.58	57.60	55.63	53.77	51.92
12.4500	50.12	48.35	46.59	44.85	43.10
12.5125	41.41	39.74	38.10	36.56	35.03
12.5750	33.57	32.14	30.73	29.44	28.16
12.6375	27.02	25.93	24.90	24.00	23.11
12.7000	22.34	21.61	20.93	20.36	19.79
12.7625	19.32	18.87	18.44	18.06	17.69
12.8250	17.37	17.05	16.76	16.49	16.22
12.8875	15.98	15.73	15.50	15.28	15.06
12.9500	14.85	14.65	14.45	14.25	14.05
13.0125	13.86	13.67	13.49	13.32	13.15
13.0750	12.98	12.82	12.67	12.52	12.37
13.1375	12.25	12.12	12.00	11.89	11.79
13.2000	11.69	11.59	11.51	11.43	11.35
13.2625	11.29	11.22	11.15	11.09	11.03
13.3250	10.97	10.92	10.86	10.81	10.76
13.3875	10.71	10.66	10.61	10.56	10.51
13.4500	10.46	10.42	10.37	10.32	10.28
13.5125	10.23	10.18	10.14	10.09	10.05
13.5750	10.00	9.96	9.91	9.86	9.82
13.6375	9.77	9.73	9.69	9.64	9.60
13.7000	9.55	9.51	9.46	9.42	9.37
13.7625	9.33	9.28	9.24	9.19	9.15
13.8250	9.10	9.06	9.01	8.97	8.92
13.8875	8.88	8.83	8.78	8.74	8.69
13.9500	8.65	8.60	8.55	8.51	8.46
14.0125	8.42	8.37	8.33	8.28	8.24
14.0750	8.20	8.16	8.11	8.07	8.04
14.1375	8.00	7.96	7.93	7.89	7.86
14.2000	7.83	7.80	7.77	7.74	7.72
14.2625	7.69	7.66	7.64	7.61	7.59
14.3250	7.56	7.54	7.51	7.49	7.47
14.3875	7.45	7.42	7.40	7.38	7.35
14.4500	7.33	7.31	7.29	7.27	7.24
14.5125	7.22	7.20	7.18	7.16	7.13
14.5750	7.11	7.09	7.07	7.05	7.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.6375	7.00	6.98	6.96	6.94	6.92
14.7000	6.89	6.87	6.85	6.83	6.80
14.7625	6.78	6.76	6.74	6.72	6.69
14.8250	6.67	6.65	6.63	6.61	6.58
14.8875	6.56	6.54	6.52	6.49	6.47
14.9500	6.45	6.43	6.41	6.38	6.36
15.0125	6.34	6.32	6.30	6.27	6.25
15.0750	6.23	6.21	6.19	6.16	6.14
15.1375	6.12	6.09	6.07	6.05	6.03
15.2000	6.00	5.98	5.96	5.94	5.92
15.2625	5.89	5.87	5.85	5.83	5.80
15.3250	5.78	5.76	5.74	5.71	5.69
15.3875	5.67	5.65	5.62	5.60	5.58
15.4500	5.56	5.53	5.51	5.49	5.47
15.5125	5.44	5.42	5.40	5.37	5.35
15.5750	5.33	5.31	5.28	5.26	5.24
15.6375	5.22	5.19	5.17	5.15	5.13
15.7000	5.10	5.08	5.06	5.03	5.01
15.7625	4.99	4.97	4.94	4.92	4.90
15.8250	4.88	4.85	4.83	4.81	4.79
15.8875	4.76	4.74	4.72	4.69	4.67
15.9500	4.65	4.62	4.60	4.58	4.55
16.0125	4.53	4.51	4.49	4.47	4.45
16.0750	4.43	4.40	4.39	4.37	4.35
16.1375	4.33	4.31	4.29	4.28	4.26
16.2000	4.25	4.23	4.22	4.20	4.19
16.2625	4.18	4.16	4.15	4.14	4.13
16.3250	4.12	4.11	4.10	4.09	4.08
16.3875	4.06	4.05	4.04	4.03	4.02
16.4500	4.01	4.00	3.99	3.98	3.97
16.5125	3.96	3.95	3.94	3.93	3.92
16.5750	3.91	3.90	3.89	3.88	3.87
16.6375	3.86	3.85	3.84	3.83	3.82
16.7000	3.81	3.80	3.79	3.78	3.77
16.7625	3.76	3.75	3.74	3.73	3.72
16.8250	3.71	3.70	3.69	3.68	3.67
16.8875	3.66	3.65	3.64	3.63	3.62
16.9500	3.61	3.60	3.59	3.58	3.57
17.0125	3.56	3.55	3.54	3.53	3.52
17.0750	3.51	3.50	3.49	3.48	3.47
17.1375	3.46	3.45	3.44	3.43	3.42
17.2000	3.41	3.40	3.39	3.38	3.37
17.2625	3.36	3.35	3.34	3.33	3.32
17.3250	3.31	3.30	3.29	3.28	3.27
17.3875	3.26	3.25	3.24	3.23	3.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.4500	3.21	3.20	3.19	3.18	3.17
17.5125	3.16	3.15	3.14	3.13	3.12
17.5750	3.11	3.10	3.09	3.08	3.07
17.6375	3.06	3.05	3.04	3.03	3.02
17.7000	3.01	3.00	2.99	2.98	2.97
17.7625	2.96	2.95	2.94	2.93	2.92
17.8250	2.91	2.90	2.89	2.88	2.87
17.8875	2.86	2.85	2.84	2.83	2.82
17.9500	2.81	2.80	2.79	2.78	2.77
18.0125	2.76	2.75	2.74	2.73	2.72
18.0750	2.71	2.70	2.69	2.68	2.68
18.1375	2.67	2.66	2.65	2.65	2.64
18.2000	2.64	2.63	2.63	2.62	2.62
18.2625	2.61	2.61	2.60	2.60	2.60
18.3250	2.59	2.59	2.59	2.58	2.58
18.3875	2.58	2.57	2.57	2.57	2.56
18.4500	2.56	2.56	2.55	2.55	2.55
18.5125	2.54	2.54	2.54	2.53	2.53
18.5750	2.53	2.53	2.52	2.52	2.52
18.6375	2.51	2.51	2.51	2.51	2.50
18.7000	2.50	2.50	2.49	2.49	2.49
18.7625	2.48	2.48	2.48	2.48	2.47
18.8250	2.47	2.47	2.46	2.46	2.46
18.8875	2.46	2.45	2.45	2.45	2.44
18.9500	2.44	2.44	2.43	2.43	2.43
19.0125	2.42	2.42	2.42	2.42	2.41
19.0750	2.41	2.41	2.40	2.40	2.40
19.1375	2.39	2.39	2.39	2.39	2.38
19.2000	2.38	2.38	2.37	2.37	2.37
19.2625	2.37	2.36	2.36	2.36	2.35
19.3250	2.35	2.35	2.34	2.34	2.34
19.3875	2.33	2.33	2.33	2.33	2.32
19.4500	2.32	2.32	2.31	2.31	2.31
19.5125	2.31	2.30	2.30	2.30	2.29
19.5750	2.29	2.29	2.28	2.28	2.28
19.6375	2.28	2.27	2.27	2.27	2.26
19.7000	2.26	2.26	2.25	2.25	2.25
19.7625	2.24	2.24	2.24	2.24	2.23
19.8250	2.23	2.23	2.22	2.22	2.22
19.8875	2.22	2.21	2.21	2.21	2.20
19.9500	2.20	2.20	2.19	2.19	2.19
20.0125	2.18	2.18	2.18	2.18	2.17
20.0750	2.17	2.17	2.16	2.16	2.16
20.1375	2.15	2.15	2.15	2.15	2.14
20.2000	2.14	2.14	2.14	2.14	2.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.2625	2.13	2.13	2.13	2.13	2.12
20.3250	2.12	2.12	2.12	2.11	2.11
20.3875	2.11	2.11	2.10	2.10	2.10
20.4500	2.10	2.09	2.09	2.09	2.09
20.5125	2.08	2.08	2.08	2.08	2.08
20.5750	2.07	2.07	2.07	2.07	2.06
20.6375	2.06	2.06	2.06	2.06	2.05
20.7000	2.05	2.05	2.04	2.04	2.04
20.7625	2.04	2.03	2.03	2.03	2.03
20.8250	2.03	2.02	2.02	2.02	2.02
20.8875	2.02	2.01	2.01	2.01	2.01
20.9500	2.00	2.00	2.00	2.00	2.00
21.0125	1.99	1.99	1.99	1.99	1.99
21.0750	1.99	1.98	1.98	1.98	1.98
21.1375	1.97	1.97	1.97	1.97	1.96
21.2000	1.96	1.96	1.96	1.95	1.95
21.2625	1.95	1.95	1.94	1.94	1.94
21.3250	1.94	1.94	1.93	1.93	1.93
21.3875	1.93	1.92	1.92	1.92	1.92
21.4500	1.92	1.91	1.91	1.91	1.90
21.5125	1.90	1.90	1.90	1.89	1.89
21.5750	1.89	1.89	1.88	1.88	1.88
21.6375	1.88	1.88	1.88	1.87	1.87
21.7000	1.87	1.87	1.86	1.86	1.86
21.7625	1.86	1.85	1.85	1.85	1.85
21.8250	1.85	1.85	1.84	1.84	1.84
21.8875	1.84	1.84	1.83	1.83	1.83
21.9500	1.83	1.82	1.82	1.82	1.82
22.0125	1.81	1.81	1.81	1.81	1.80
22.0750	1.80	1.80	1.80	1.79	1.79
22.1375	1.79	1.79	1.79	1.78	1.78
22.2000	1.78	1.78	1.77	1.77	1.77
22.2625	1.77	1.76	1.76	1.76	1.76
22.3250	1.75	1.75	1.75	1.75	1.74
22.3875	1.74	1.74	1.74	1.73	1.73
22.4500	1.73	1.73	1.73	1.72	1.72
22.5125	1.72	1.72	1.72	1.71	1.71
22.5750	1.71	1.71	1.70	1.70	1.70
22.6375	1.70	1.70	1.70	1.69	1.69
22.7000	1.69	1.69	1.68	1.68	1.68
22.7625	1.68	1.67	1.67	1.67	1.67
22.8250	1.66	1.66	1.66	1.66	1.65
22.8875	1.65	1.65	1.65	1.65	1.64
22.9500	1.64	1.64	1.64	1.63	1.63
23.0125	1.63	1.63	1.63	1.62	1.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.0750	1.62	1.62	1.61	1.61	1.61
23.1375	1.60	1.60	1.60	1.60	1.59
23.2000	1.59	1.59	1.59	1.59	1.58
23.2625	1.58	1.58	1.58	1.58	1.57
23.3250	1.57	1.57	1.57	1.56	1.56
23.3875	1.56	1.56	1.56	1.55	1.55
23.4500	1.55	1.55	1.55	1.54	1.54
23.5125	1.54	1.54	1.54	1.53	1.53
23.5750	1.53	1.52	1.52	1.52	1.52
23.6375	1.51	1.51	1.51	1.51	1.50
23.7000	1.50	1.50	1.50	1.50	1.49
23.7625	1.49	1.49	1.49	1.48	1.48
23.8250	1.48	1.48	1.48	1.47	1.47
23.8875	1.47	1.47	1.46	1.46	1.46
23.9500	1.45	1.45	1.45	1.45	1.44
24.0125	1.43	1.42	1.40	1.37	1.33
24.0750	1.28	1.22	1.15	1.07	.99
24.1375	.90	.82	.73	.65	.58
24.2000	.51	.44	.39	.34	.30
24.2625	.26	.22	.20	.17	.15
24.3250	.13	.12	.10	.09	.08
24.3875	.07	.06	.05	.04	.04
24.4500	.03	.03	.03	.02	.02
24.5125	.02	.01	.01	.01	.01
24.5750	.01	.01	.01	.00	.00
24.6375	.00	.00	.00	.00	.00
24.7000	.00				

Name... D.A. AA-1 Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. AA-1 50
Tc = .2310 hrs
Drainage Area = 28.600 acres Runoff CN= 77

=====
Computational Time Increment = .03080 hrs
Computed Peak Time = 12.1664 hrs
Computed Peak Flow = 108.87 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1624 hrs
Peak Flow, Interpolated Output = 108.49 cfs
=====

DRAINAGE AREA

ID:D.A. AA-1
CN = 77
Area = 28.600 acres
S = 2.9870 in
0.2S = .5974 in

Cumulative Runoff

4.3658 in
453250 cu.ft

HYG Volume... 453248 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .23101 hrs (ID: D.A. AA-1)
Computational Incr, Tm = .03080 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 140.28 cfs
Unit peak time Tp = .15400 hrs
Unit receding limb, Tr = .61602 hrs
Total unit time, Tb = .77002 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 50
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77
 Calc.Increment= .03080 hrs Out.Incr.= .0125 hrs
 HYG Volume = 453248 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
6.8125	.00	.00	.00	.00	.00
6.8750	.01	.01	.01	.01	.01
6.9375	.02	.02	.02	.03	.03
7.0000	.03	.04	.04	.05	.05
7.0625	.06	.06	.06	.07	.07
7.1250	.08	.08	.09	.09	.10
7.1875	.10	.11	.12	.12	.13
7.2500	.13	.14	.14	.15	.15
7.3125	.16	.16	.17	.18	.18
7.3750	.19	.19	.20	.21	.21
7.4375	.22	.22	.23	.24	.24
7.5000	.25	.25	.26	.27	.27
7.5625	.28	.29	.29	.30	.31
7.6250	.31	.32	.33	.33	.34
7.6875	.35	.35	.36	.37	.37
7.7500	.38	.39	.39	.40	.41
7.8125	.42	.42	.43	.44	.44
7.8750	.45	.46	.47	.47	.48
7.9375	.49	.50	.50	.51	.52
8.0000	.53	.53	.54	.55	.56
8.0625	.56	.57	.58	.59	.60
8.1250	.61	.61	.62	.63	.64
8.1875	.65	.66	.67	.68	.69
8.2500	.70	.71	.72	.73	.74
8.3125	.75	.77	.78	.79	.80
8.3750	.81	.82	.83	.85	.86
8.4375	.87	.88	.89	.91	.92
8.5000	.93	.94	.96	.97	.98
8.5625	.99	1.01	1.02	1.03	1.05
8.6250	1.06	1.07	1.09	1.10	1.12

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.6875	1.13	1.14	1.16	1.17	1.19
8.7500	1.20	1.22	1.23	1.25	1.26
8.8125	1.28	1.29	1.31	1.32	1.34
8.8750	1.35	1.37	1.38	1.40	1.41
8.9375	1.43	1.45	1.46	1.48	1.50
9.0000	1.51	1.53	1.55	1.56	1.58
9.0625	1.60	1.61	1.63	1.65	1.66
9.1250	1.68	1.70	1.72	1.73	1.75
9.1875	1.77	1.79	1.81	1.82	1.84
9.2500	1.86	1.88	1.90	1.92	1.94
9.3125	1.95	1.97	1.99	2.01	2.03
9.3750	2.05	2.07	2.09	2.11	2.13
9.4375	2.15	2.17	2.19	2.21	2.23
9.5000	2.25	2.27	2.29	2.31	2.33
9.5625	2.35	2.37	2.39	2.41	2.44
9.6250	2.46	2.48	2.50	2.52	2.54
9.6875	2.56	2.59	2.61	2.63	2.65
9.7500	2.67	2.70	2.72	2.74	2.76
9.8125	2.79	2.81	2.83	2.85	2.88
9.8750	2.90	2.92	2.95	2.97	2.99
9.9375	3.02	3.04	3.06	3.09	3.11
10.0000	3.13	3.16	3.18	3.21	3.23
10.0625	3.26	3.28	3.31	3.33	3.36
10.1250	3.39	3.42	3.45	3.48	3.51
10.1875	3.54	3.57	3.61	3.64	3.67
10.2500	3.71	3.74	3.78	3.82	3.85
10.3125	3.89	3.93	3.97	4.00	4.04
10.3750	4.08	4.12	4.16	4.20	4.24
10.4375	4.28	4.32	4.36	4.40	4.44
10.5000	4.48	4.52	4.57	4.61	4.65
10.5625	4.69	4.74	4.78	4.82	4.87
10.6250	4.91	4.95	5.00	5.04	5.09
10.6875	5.13	5.18	5.22	5.27	5.31
10.7500	5.36	5.41	5.45	5.50	5.54
10.8125	5.59	5.64	5.69	5.73	5.78
10.8750	5.83	5.88	5.92	5.97	6.02
10.9375	6.07	6.12	6.17	6.22	6.27
11.0000	6.32	6.37	6.42	6.48	6.53
11.0625	6.59	6.66	6.72	6.79	6.86
11.1250	6.94	7.02	7.11	7.20	7.29
11.1875	7.40	7.50	7.61	7.73	7.84
11.2500	7.96	8.09	8.21	8.35	8.48
11.3125	8.61	8.75	8.89	9.03	9.17
11.3750	9.32	9.47	9.62	9.77	9.92
11.4375	10.08	10.23	10.39	10.55	10.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.5000	10.88	11.06	11.27	11.49	11.72
11.5625	12.03	12.34	12.71	13.14	13.56
11.6250	14.11	14.66	15.30	16.01	16.73
11.6875	17.61	18.48	19.45	20.48	21.52
11.7500	22.66	23.79	25.03	26.31	27.61
11.8125	29.00	30.38	31.81	33.25	34.72
11.8750	36.26	37.80	39.58	41.40	43.42
11.9375	45.76	48.09	51.30	54.57	58.28
12.0000	62.51	66.73	71.36	75.99	80.55
12.0625	85.05	89.51	93.51	97.50	100.77
12.1250	103.58	106.16	107.33	108.49	108.37
12.1875	107.63	106.58	104.38	102.18	99.43
12.2500	96.51	93.51	90.33	87.14	84.05
12.3125	80.98	78.07	75.44	72.81	70.44
12.3750	68.10	65.83	63.63	61.43	59.37
12.4375	57.31	55.31	53.35	51.39	49.46
12.5000	47.53	45.65	43.81	41.99	40.29
12.5625	38.60	36.98	35.40	33.85	32.42
12.6250	31.00	29.74	28.55	27.41	26.42
12.6875	25.43	24.59	23.78	23.03	22.40
12.7500	21.77	21.25	20.75	20.28	19.86
12.8125	19.45	19.09	18.75	18.42	18.13
12.8750	17.83	17.56	17.29	17.03	16.79
12.9375	16.54	16.32	16.09	15.87	15.65
13.0000	15.43	15.23	15.02	14.82	14.63
13.0625	14.44	14.26	14.08	13.91	13.75
13.1250	13.59	13.45	13.30	13.18	13.06
13.1875	12.94	12.83	12.73	12.64	12.55
13.2500	12.46	12.39	12.31	12.24	12.17
13.3125	12.11	12.04	11.98	11.92	11.87
13.3750	11.81	11.75	11.70	11.64	11.59
13.4375	11.53	11.48	11.43	11.38	11.33
13.5000	11.28	11.22	11.17	11.12	11.07
13.5625	11.02	10.97	10.92	10.87	10.82
13.6250	10.77	10.72	10.67	10.62	10.57
13.6875	10.52	10.47	10.43	10.38	10.33
13.7500	10.28	10.23	10.18	10.13	10.08
13.8125	10.03	9.98	9.93	9.88	9.83
13.8750	9.78	9.73	9.68	9.63	9.58
13.9375	9.53	9.48	9.43	9.38	9.33
14.0000	9.28	9.22	9.18	9.13	9.08
14.0625	9.03	8.98	8.94	8.89	8.85
14.1250	8.81	8.76	8.73	8.69	8.65
14.1875	8.62	8.58	8.55	8.52	8.48
14.2500	8.46	8.43	8.40	8.37	8.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.3125	8.31	8.29	8.26	8.23	8.21
14.3750	8.18	8.16	8.13	8.11	8.08
14.4375	8.06	8.03	8.01	7.98	7.96
14.5000	7.94	7.91	7.89	7.86	7.84
14.5625	7.81	7.79	7.77	7.74	7.72
14.6250	7.69	7.67	7.65	7.62	7.60
14.6875	7.57	7.55	7.52	7.50	7.48
14.7500	7.45	7.43	7.40	7.38	7.35
14.8125	7.33	7.30	7.28	7.26	7.23
14.8750	7.21	7.18	7.16	7.14	7.11
14.9375	7.09	7.06	7.04	7.01	6.99
15.0000	6.97	6.94	6.92	6.89	6.87
15.0625	6.84	6.82	6.80	6.77	6.75
15.1250	6.72	6.70	6.67	6.65	6.62
15.1875	6.60	6.57	6.55	6.52	6.50
15.2500	6.47	6.45	6.43	6.40	6.38
15.3125	6.35	6.33	6.30	6.28	6.25
15.3750	6.23	6.20	6.18	6.15	6.13
15.4375	6.11	6.08	6.06	6.03	6.01
15.5000	5.98	5.96	5.93	5.91	5.88
15.5625	5.86	5.83	5.81	5.78	5.76
15.6250	5.73	5.71	5.68	5.66	5.63
15.6875	5.61	5.58	5.56	5.53	5.51
15.7500	5.48	5.46	5.43	5.41	5.38
15.8125	5.36	5.33	5.31	5.28	5.26
15.8750	5.24	5.21	5.18	5.16	5.13
15.9375	5.11	5.08	5.06	5.03	5.01
16.0000	4.98	4.96	4.93	4.91	4.89
16.0625	4.86	4.84	4.82	4.80	4.77
16.1250	4.75	4.73	4.72	4.70	4.68
16.1875	4.66	4.64	4.63	4.61	4.60
16.2500	4.58	4.57	4.55	4.54	4.53
16.3125	4.52	4.50	4.49	4.48	4.47
16.3750	4.46	4.44	4.43	4.42	4.41
16.4375	4.40	4.39	4.37	4.36	4.35
16.5000	4.34	4.33	4.32	4.31	4.30
16.5625	4.29	4.28	4.27	4.26	4.24
16.6250	4.23	4.22	4.21	4.20	4.19
16.6875	4.18	4.17	4.16	4.15	4.14
16.7500	4.12	4.11	4.10	4.09	4.08
16.8125	4.07	4.06	4.05	4.04	4.03
16.8750	4.01	4.00	3.99	3.98	3.97
16.9375	3.96	3.95	3.94	3.93	3.92
17.0000	3.91	3.90	3.88	3.87	3.86
17.0625	3.85	3.84	3.83	3.82	3.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.1250	3.80	3.79	3.78	3.77	3.75
17.1875	3.74	3.73	3.72	3.71	3.70
17.2500	3.69	3.68	3.66	3.65	3.64
17.3125	3.63	3.62	3.61	3.60	3.59
17.3750	3.58	3.57	3.56	3.55	3.53
17.4375	3.52	3.51	3.50	3.49	3.48
17.5000	3.47	3.46	3.45	3.44	3.43
17.5625	3.41	3.40	3.39	3.38	3.37
17.6250	3.36	3.35	3.34	3.32	3.31
17.6875	3.30	3.29	3.28	3.27	3.26
17.7500	3.25	3.24	3.23	3.22	3.20
17.8125	3.19	3.18	3.17	3.16	3.15
17.8750	3.14	3.13	3.12	3.10	3.09
17.9375	3.08	3.07	3.06	3.05	3.04
18.0000	3.03	3.02	3.01	2.99	2.98
18.0625	2.97	2.96	2.95	2.94	2.93
18.1250	2.92	2.91	2.91	2.90	2.89
18.1875	2.89	2.88	2.87	2.87	2.86
18.2500	2.86	2.86	2.85	2.85	2.84
18.3125	2.84	2.83	2.83	2.83	2.82
18.3750	2.82	2.81	2.81	2.81	2.80
18.4375	2.80	2.80	2.79	2.79	2.79
18.5000	2.78	2.78	2.78	2.77	2.77
18.5625	2.77	2.76	2.76	2.76	2.75
18.6250	2.75	2.75	2.74	2.74	2.74
18.6875	2.73	2.73	2.73	2.72	2.72
18.7500	2.72	2.71	2.71	2.71	2.70
18.8125	2.70	2.70	2.69	2.69	2.69
18.8750	2.69	2.68	2.68	2.68	2.67
18.9375	2.67	2.66	2.66	2.66	2.65
19.0000	2.65	2.65	2.65	2.64	2.64
19.0625	2.64	2.63	2.63	2.63	2.62
19.1250	2.62	2.62	2.61	2.61	2.61
19.1875	2.60	2.60	2.60	2.59	2.59
19.2500	2.59	2.58	2.58	2.58	2.57
19.3125	2.57	2.57	2.56	2.56	2.56
19.3750	2.55	2.55	2.55	2.54	2.54
19.4375	2.54	2.53	2.53	2.53	2.52
19.5000	2.52	2.52	2.51	2.51	2.51
19.5625	2.50	2.50	2.50	2.49	2.49
19.6250	2.49	2.48	2.48	2.48	2.48
19.6875	2.47	2.47	2.47	2.46	2.46
19.7500	2.45	2.45	2.45	2.44	2.44
19.8125	2.44	2.44	2.43	2.43	2.43
19.8750	2.42	2.42	2.42	2.41	2.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.9375	2.41	2.40	2.40	2.40	2.39
20.0000	2.39	2.39	2.38	2.38	2.38
20.0625	2.37	2.37	2.37	2.36	2.36
20.1250	2.36	2.35	2.35	2.35	2.34
20.1875	2.34	2.34	2.34	2.34	2.33
20.2500	2.33	2.33	2.33	2.32	2.32
20.3125	2.32	2.32	2.31	2.31	2.31
20.3750	2.30	2.30	2.30	2.30	2.29
20.4375	2.29	2.29	2.29	2.28	2.28
20.5000	2.28	2.28	2.27	2.27	2.27
20.5625	2.27	2.26	2.26	2.26	2.26
20.6250	2.25	2.25	2.25	2.25	2.24
20.6875	2.24	2.24	2.24	2.23	2.23
20.7500	2.23	2.22	2.22	2.22	2.22
20.8125	2.21	2.21	2.21	2.21	2.21
20.8750	2.20	2.20	2.20	2.20	2.19
20.9375	2.19	2.19	2.19	2.18	2.18
21.0000	2.18	2.18	2.18	2.17	2.17
21.0625	2.17	2.17	2.17	2.16	2.16
21.1250	2.16	2.15	2.15	2.15	2.15
21.1875	2.14	2.14	2.14	2.13	2.13
21.2500	2.13	2.13	2.12	2.12	2.12
21.3125	2.12	2.11	2.11	2.11	2.11
21.3750	2.11	2.10	2.10	2.10	2.10
21.4375	2.09	2.09	2.09	2.09	2.08
21.5000	2.08	2.08	2.07	2.07	2.07
21.5625	2.06	2.06	2.06	2.06	2.06
21.6250	2.05	2.05	2.05	2.05	2.04
21.6875	2.04	2.04	2.04	2.03	2.03
21.7500	2.03	2.03	2.02	2.02	2.02
21.8125	2.02	2.02	2.01	2.01	2.01
21.8750	2.01	2.01	2.00	2.00	2.00
21.9375	2.00	1.99	1.99	1.99	1.98
22.0000	1.98	1.98	1.98	1.97	1.97
22.0625	1.97	1.97	1.96	1.96	1.96
22.1250	1.96	1.95	1.95	1.95	1.95
22.1875	1.94	1.94	1.94	1.94	1.93
22.2500	1.93	1.93	1.93	1.92	1.92
22.3125	1.92	1.91	1.91	1.91	1.90
22.3750	1.90	1.90	1.90	1.90	1.89
22.4375	1.89	1.89	1.89	1.88	1.88
22.5000	1.88	1.88	1.87	1.87	1.87
22.5625	1.87	1.86	1.86	1.86	1.86
22.6250	1.86	1.85	1.85	1.85	1.85
22.6875	1.85	1.84	1.84	1.84	1.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.7500	1.83	1.83	1.83	1.82	1.82
22.8125	1.82	1.82	1.81	1.81	1.81
22.8750	1.81	1.80	1.80	1.80	1.80
22.9375	1.79	1.79	1.79	1.79	1.78
23.0000	1.78	1.78	1.78	1.77	1.77
23.0625	1.77	1.77	1.76	1.76	1.76
23.1250	1.75	1.75	1.75	1.74	1.74
23.1875	1.74	1.74	1.74	1.73	1.73
23.2500	1.73	1.73	1.72	1.72	1.72
23.3125	1.72	1.71	1.71	1.71	1.71
23.3750	1.70	1.70	1.70	1.70	1.70
23.4375	1.69	1.69	1.69	1.69	1.69
23.5000	1.68	1.68	1.68	1.68	1.67
23.5625	1.67	1.67	1.66	1.66	1.66
23.6250	1.65	1.65	1.65	1.65	1.64
23.6875	1.64	1.64	1.64	1.63	1.63
23.7500	1.63	1.63	1.63	1.62	1.62
23.8125	1.62	1.62	1.61	1.61	1.61
23.8750	1.60	1.60	1.60	1.60	1.59
23.9375	1.59	1.59	1.58	1.58	1.58
24.0000	1.57	1.56	1.55	1.53	1.50
24.0625	1.45	1.40	1.34	1.25	1.17
24.1250	1.08	.98	.89	.80	.71
24.1875	.63	.55	.48	.42	.37
24.2500	.32	.28	.25	.22	.19
24.3125	.17	.14	.13	.11	.10
24.3750	.08	.07	.06	.06	.05
24.4375	.04	.04	.03	.03	.02
24.5000	.02	.02	.02	.01	.01
24.5625	.01	.01	.01	.01	.00
24.6250	.00	.00	.00	.00	.00
24.6875	.00	.00			

Name... D.A. AA-1 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. AA-1 100

Tc = .2310 hrs

Drainage Area = 28.600 acres Runoff CN= 77

=====
Computational Time Increment = .03080 hrs
Computed Peak Time = 12.1664 hrs
Computed Peak Flow = 119.90 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1624 hrs
Peak Flow, Interpolated Output = 119.50 cfs
=====

DRAINAGE AREA

ID:D.A. AA-1
CN = 77
Area = 28.600 acres
S = 2.9870 in
0.2S = .5974 in

Cumulative Runoff

4.8178 in
500171 cu.ft

HYG Volume... 500169 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .23101 hrs (ID: D.A. AA-1)
Computational Incr, Tm = .03080 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 140.28 cfs
Unit peak time Tp = .15400 hrs
Unit receding limb, Tr = .61602 hrs
Total unit time, Tb = .77002 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-1 100
 Tc = .2310 hrs
 Drainage Area = 28.600 acres Runoff CN= 77
 Calc.Increment= .03080 hrs Out.Incr.= .0125 hrs
 HYG Volume = 500169 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
6.5125	.00	.00	.00	.00	.00
6.5750	.01	.01	.01	.01	.01
6.6375	.02	.02	.02	.03	.03
6.7000	.03	.04	.04	.05	.05
6.7625	.05	.06	.06	.07	.07
6.8250	.08	.08	.09	.09	.10
6.8875	.10	.11	.11	.12	.12
6.9500	.13	.14	.14	.15	.15
7.0125	.16	.16	.17	.17	.18
7.0750	.19	.19	.20	.20	.21
7.1375	.22	.22	.23	.23	.24
7.2000	.25	.25	.26	.27	.27
7.2625	.28	.29	.29	.30	.31
7.3250	.31	.32	.33	.33	.34
7.3875	.35	.35	.36	.37	.37
7.4500	.38	.39	.39	.40	.41
7.5125	.42	.42	.43	.44	.45
7.5750	.45	.46	.47	.48	.48
7.6375	.49	.50	.51	.51	.52
7.7000	.53	.54	.55	.55	.56
7.7625	.57	.58	.58	.59	.60
7.8250	.61	.62	.63	.63	.64
7.8875	.65	.66	.67	.68	.68
7.9500	.69	.70	.71	.72	.73
8.0125	.74	.75	.75	.76	.77
8.0750	.78	.79	.80	.81	.82
8.1375	.83	.84	.85	.86	.87
8.2000	.88	.89	.91	.92	.93
8.2625	.94	.95	.97	.98	.99
8.3250	1.00	1.02	1.03	1.04	1.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.3875	1.07	1.08	1.10	1.11	1.13
8.4500	1.14	1.15	1.17	1.18	1.20
8.5125	1.21	1.23	1.24	1.26	1.27
8.5750	1.29	1.30	1.32	1.33	1.35
8.6375	1.36	1.38	1.39	1.41	1.43
8.7000	1.44	1.46	1.48	1.49	1.51
8.7625	1.52	1.54	1.56	1.58	1.59
8.8250	1.61	1.63	1.64	1.66	1.68
8.8875	1.70	1.72	1.73	1.75	1.77
8.9500	1.79	1.81	1.82	1.84	1.86
9.0125	1.88	1.90	1.92	1.94	1.96
9.0750	1.98	2.00	2.02	2.04	2.06
9.1375	2.07	2.09	2.11	2.13	2.16
9.2000	2.18	2.20	2.22	2.24	2.26
9.2625	2.28	2.30	2.32	2.34	2.36
9.3250	2.38	2.41	2.43	2.45	2.47
9.3875	2.49	2.51	2.54	2.56	2.58
9.4500	2.60	2.63	2.65	2.67	2.69
9.5125	2.72	2.74	2.76	2.79	2.81
9.5750	2.83	2.86	2.88	2.90	2.93
9.6375	2.95	2.97	3.00	3.02	3.05
9.7000	3.07	3.09	3.12	3.14	3.17
9.7625	3.19	3.22	3.24	3.27	3.29
9.8250	3.32	3.34	3.37	3.39	3.42
9.8875	3.44	3.47	3.50	3.52	3.55
9.9500	3.58	3.60	3.63	3.65	3.68
10.0125	3.71	3.73	3.76	3.79	3.82
10.0750	3.85	3.87	3.90	3.93	3.97
10.1375	4.00	4.03	4.06	4.10	4.13
10.2000	4.17	4.21	4.24	4.28	4.32
10.2625	4.36	4.40	4.44	4.48	4.53
10.3250	4.57	4.61	4.65	4.70	4.74
10.3875	4.78	4.83	4.87	4.92	4.96
10.4500	5.01	5.05	5.10	5.14	5.19
10.5125	5.23	5.28	5.33	5.37	5.42
10.5750	5.47	5.52	5.57	5.61	5.66
10.6375	5.71	5.76	5.81	5.86	5.91
10.7000	5.96	6.01	6.06	6.11	6.16
10.7625	6.21	6.26	6.32	6.37	6.42
10.8250	6.47	6.52	6.58	6.63	6.68
10.8875	6.73	6.79	6.84	6.89	6.95
10.9500	7.00	7.06	7.11	7.16	7.22
11.0125	7.28	7.34	7.40	7.46	7.52
11.0750	7.59	7.67	7.75	7.83	7.91
11.1375	8.00	8.10	8.20	8.31	8.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.2000	8.54	8.66	8.79	8.92	9.05
11.2625	9.19	9.33	9.48	9.63	9.78
11.3250	9.93	10.09	10.25	10.40	10.57
11.3875	10.73	10.90	11.07	11.24	11.41
11.4500	11.58	11.75	11.93	12.10	12.30
11.5125	12.50	12.73	12.98	13.23	13.58
11.5750	13.93	14.34	14.81	15.29	15.90
11.6375	16.52	17.23	18.01	18.82	19.80
11.7000	20.78	21.86	23.00	24.16	25.43
11.7625	26.69	28.07	29.48	30.93	32.47
11.8250	34.00	35.58	37.17	38.80	40.50
11.8875	42.20	44.16	46.16	48.39	50.96
11.9500	53.53	57.06	60.66	64.74	69.38
12.0125	74.03	79.10	84.18	89.17	94.10
12.0750	98.98	103.33	107.67	111.23	114.27
12.1375	117.05	118.28	119.50	119.31	118.45
12.2000	117.24	114.78	112.32	109.27	106.02
12.2625	102.69	99.16	95.64	92.22	88.82
12.3250	85.61	82.70	79.79	77.18	74.60
12.3875	72.08	69.66	67.24	64.97	62.71
12.4500	60.50	58.35	56.20	54.08	51.96
12.5125	49.89	47.88	45.88	44.02	42.17
12.5750	40.39	38.66	36.96	35.41	33.85
12.6375	32.47	31.16	29.91	28.83	27.75
12.7000	26.83	25.94	25.12	24.44	23.75
12.7625	23.18	22.63	22.12	21.66	21.20
12.8250	20.82	20.44	20.08	19.76	19.44
12.8875	19.14	18.85	18.57	18.30	18.03
12.9500	17.78	17.54	17.29	17.06	16.82
13.0125	16.59	16.36	16.15	15.94	15.73
13.0750	15.54	15.34	15.16	14.98	14.80
13.1375	14.65	14.49	14.35	14.22	14.09
13.2000	13.98	13.86	13.76	13.66	13.57
13.2625	13.49	13.41	13.33	13.26	13.18
13.3250	13.11	13.05	12.98	12.92	12.86
13.3875	12.79	12.73	12.67	12.61	12.56
13.4500	12.50	12.44	12.39	12.33	12.27
13.5125	12.22	12.16	12.10	12.05	12.00
13.5750	11.94	11.89	11.83	11.78	11.72
13.6375	11.67	11.61	11.56	11.51	11.45
13.7000	11.40	11.34	11.29	11.23	11.18
13.7625	11.13	11.07	11.02	10.97	10.91
13.8250	10.86	10.80	10.75	10.69	10.64
13.8875	10.58	10.53	10.47	10.42	10.36
13.9500	10.31	10.25	10.20	10.14	10.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0125	10.03	9.98	9.93	9.87	9.82
14.0750	9.77	9.72	9.67	9.62	9.58
14.1375	9.53	9.49	9.45	9.41	9.37
14.2000	9.33	9.29	9.26	9.22	9.19
14.2625	9.16	9.13	9.10	9.07	9.04
14.3250	9.01	8.98	8.95	8.92	8.89
14.3875	8.87	8.84	8.81	8.78	8.76
14.4500	8.73	8.71	8.68	8.65	8.63
14.5125	8.60	8.57	8.54	8.52	8.49
14.5750	8.47	8.44	8.41	8.39	8.36
14.6375	8.34	8.31	8.28	8.26	8.23
14.7000	8.20	8.18	8.15	8.12	8.10
14.7625	8.07	8.04	8.02	7.99	7.96
14.8250	7.94	7.91	7.89	7.86	7.83
14.8875	7.81	7.78	7.75	7.73	7.70
14.9500	7.67	7.65	7.62	7.59	7.57
15.0125	7.54	7.51	7.49	7.46	7.44
15.0750	7.41	7.38	7.36	7.33	7.30
15.1375	7.27	7.25	7.22	7.19	7.17
15.2000	7.14	7.11	7.09	7.06	7.03
15.2625	7.01	6.98	6.95	6.93	6.90
15.3250	6.87	6.84	6.82	6.79	6.76
15.3875	6.74	6.71	6.68	6.66	6.63
15.4500	6.60	6.58	6.55	6.52	6.50
15.5125	6.47	6.44	6.41	6.39	6.36
15.5750	6.33	6.31	6.28	6.25	6.22
15.6375	6.20	6.17	6.14	6.12	6.09
15.7000	6.06	6.03	6.01	5.98	5.95
15.7625	5.93	5.90	5.87	5.85	5.82
15.8250	5.79	5.76	5.74	5.71	5.68
15.8875	5.66	5.63	5.60	5.57	5.55
15.9500	5.52	5.49	5.46	5.44	5.41
16.0125	5.38	5.36	5.33	5.30	5.28
16.0750	5.25	5.23	5.21	5.18	5.16
16.1375	5.14	5.12	5.10	5.08	5.06
16.2000	5.04	5.02	5.01	4.99	4.97
16.2625	4.96	4.94	4.93	4.91	4.90
16.3250	4.89	4.88	4.86	4.85	4.84
16.3875	4.82	4.81	4.80	4.79	4.77
16.4500	4.76	4.75	4.74	4.72	4.71
16.5125	4.70	4.69	4.68	4.67	4.65
16.5750	4.64	4.63	4.62	4.61	4.59
16.6375	4.58	4.57	4.56	4.55	4.53
16.7000	4.52	4.51	4.50	4.49	4.48
16.7625	4.46	4.45	4.44	4.43	4.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8250	4.40	4.39	4.38	4.37	4.36
16.8875	4.34	4.33	4.32	4.31	4.30
16.9500	4.29	4.28	4.26	4.25	4.24
17.0125	4.23	4.22	4.20	4.19	4.18
17.0750	4.17	4.16	4.14	4.13	4.12
17.1375	4.11	4.10	4.09	4.07	4.06
17.2000	4.05	4.04	4.02	4.01	4.00
17.2625	3.99	3.98	3.96	3.95	3.94
17.3250	3.93	3.92	3.91	3.89	3.88
17.3875	3.87	3.86	3.85	3.83	3.82
17.4500	3.81	3.80	3.79	3.77	3.76
17.5125	3.75	3.74	3.73	3.72	3.70
17.5750	3.69	3.68	3.67	3.66	3.64
17.6375	3.63	3.62	3.61	3.59	3.58
17.7000	3.57	3.56	3.55	3.54	3.52
17.7625	3.51	3.50	3.49	3.48	3.46
17.8250	3.45	3.44	3.43	3.42	3.40
17.8875	3.39	3.38	3.37	3.36	3.34
17.9500	3.33	3.32	3.31	3.30	3.28
18.0125	3.27	3.26	3.25	3.24	3.22
18.0750	3.21	3.20	3.19	3.18	3.17
18.1375	3.16	3.15	3.15	3.14	3.13
18.2000	3.12	3.12	3.11	3.11	3.10
18.2625	3.10	3.09	3.09	3.08	3.08
18.3250	3.07	3.07	3.06	3.06	3.06
18.3875	3.05	3.05	3.04	3.04	3.04
18.4500	3.03	3.03	3.03	3.02	3.02
18.5125	3.01	3.01	3.01	3.00	3.00
18.5750	3.00	2.99	2.99	2.99	2.98
18.6375	2.98	2.98	2.97	2.97	2.97
18.7000	2.96	2.96	2.95	2.95	2.95
18.7625	2.94	2.94	2.94	2.93	2.93
18.8250	2.93	2.92	2.92	2.92	2.91
18.8875	2.91	2.90	2.90	2.90	2.89
18.9500	2.89	2.89	2.88	2.88	2.88
19.0125	2.87	2.87	2.87	2.86	2.86
19.0750	2.86	2.85	2.85	2.84	2.84
19.1375	2.84	2.83	2.83	2.83	2.82
19.2000	2.82	2.82	2.81	2.81	2.81
19.2625	2.80	2.80	2.79	2.79	2.79
19.3250	2.78	2.78	2.78	2.77	2.77
19.3875	2.77	2.76	2.76	2.75	2.75
19.4500	2.75	2.74	2.74	2.74	2.73
19.5125	2.73	2.73	2.72	2.72	2.72
19.5750	2.71	2.71	2.70	2.70	2.70

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

19.6375	2.69	2.69	2.69	2.68	2.68
19.7000	2.68	2.67	2.67	2.67	2.66
19.7625	2.66	2.65	2.65	2.65	2.64
19.8250	2.64	2.64	2.63	2.63	2.63
19.8875	2.62	2.62	2.62	2.61	2.61
19.9500	2.60	2.60	2.60	2.59	2.59
20.0125	2.59	2.58	2.58	2.58	2.57
20.0750	2.57	2.57	2.56	2.56	2.55
20.1375	2.55	2.55	2.54	2.54	2.54
20.2000	2.54	2.53	2.53	2.53	2.53
20.2625	2.52	2.52	2.52	2.52	2.51
20.3250	2.51	2.51	2.50	2.50	2.50
20.3875	2.50	2.49	2.49	2.49	2.48
20.4500	2.48	2.48	2.47	2.47	2.47
20.5125	2.47	2.46	2.46	2.46	2.46
20.5750	2.45	2.45	2.45	2.45	2.44
20.6375	2.44	2.44	2.44	2.43	2.43
20.7000	2.43	2.42	2.42	2.42	2.41
20.7625	2.41	2.41	2.40	2.40	2.40
20.8250	2.40	2.40	2.39	2.39	2.39
20.8875	2.39	2.38	2.38	2.38	2.37
20.9500	2.37	2.37	2.37	2.36	2.36
21.0125	2.36	2.36	2.36	2.35	2.35
21.0750	2.35	2.35	2.34	2.34	2.34
21.1375	2.34	2.33	2.33	2.33	2.32
21.2000	2.32	2.32	2.31	2.31	2.31
21.2625	2.31	2.30	2.30	2.30	2.29
21.3250	2.29	2.29	2.29	2.28	2.28
21.3875	2.28	2.28	2.27	2.27	2.27
21.4500	2.27	2.26	2.26	2.26	2.25
21.5125	2.25	2.25	2.24	2.24	2.24
21.5750	2.23	2.23	2.23	2.23	2.22
21.6375	2.22	2.22	2.22	2.22	2.21
21.7000	2.21	2.21	2.20	2.20	2.20
21.7625	2.20	2.19	2.19	2.19	2.19
21.8250	2.19	2.18	2.18	2.18	2.18
21.8875	2.17	2.17	2.17	2.17	2.16
21.9500	2.16	2.16	2.15	2.15	2.15
22.0125	2.14	2.14	2.14	2.14	2.13
22.0750	2.13	2.13	2.12	2.12	2.12
22.1375	2.12	2.11	2.11	2.11	2.11
22.2000	2.10	2.10	2.10	2.10	2.09
22.2625	2.09	2.09	2.08	2.08	2.08
22.3250	2.07	2.07	2.07	2.06	2.06
22.3875	2.06	2.06	2.05	2.05	2.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4500	2.05	2.04	2.04	2.04	2.04
22.5125	2.03	2.03	2.03	2.03	2.02
22.5750	2.02	2.02	2.02	2.01	2.01
22.6375	2.01	2.01	2.01	2.00	2.00
22.7000	2.00	2.00	1.99	1.99	1.99
22.7625	1.98	1.98	1.98	1.97	1.97
22.8250	1.97	1.96	1.96	1.96	1.96
22.8875	1.95	1.95	1.95	1.95	1.94
22.9500	1.94	1.94	1.94	1.93	1.93
23.0125	1.93	1.92	1.92	1.92	1.92
23.0750	1.91	1.91	1.91	1.90	1.90
23.1375	1.90	1.89	1.89	1.89	1.88
23.2000	1.88	1.88	1.88	1.88	1.87
23.2625	1.87	1.87	1.87	1.86	1.86
23.3250	1.86	1.85	1.85	1.85	1.85
23.3875	1.84	1.84	1.84	1.84	1.84
23.4500	1.83	1.83	1.83	1.83	1.82
23.5125	1.82	1.82	1.81	1.81	1.81
23.5750	1.81	1.80	1.80	1.80	1.79
23.6375	1.79	1.79	1.78	1.78	1.78
23.7000	1.78	1.77	1.77	1.77	1.77
23.7625	1.76	1.76	1.76	1.76	1.75
23.8250	1.75	1.75	1.74	1.74	1.74
23.8875	1.74	1.73	1.73	1.73	1.72
23.9500	1.72	1.72	1.71	1.71	1.70
24.0125	1.69	1.68	1.65	1.62	1.58
24.0750	1.51	1.45	1.36	1.27	1.17
24.1375	1.07	.96	.87	.77	.68
24.2000	.60	.52	.46	.40	.35
24.2625	.31	.27	.23	.20	.18
24.3250	.16	.14	.12	.10	.09
24.3875	.08	.07	.06	.05	.05
24.4500	.04	.03	.03	.03	.02
24.5125	.02	.02	.01	.01	.01
24.5750	.01	.01	.01	.01	.00
24.6375	.00	.00	.00	.00	.00
24.7000	.00				

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: User Defined

Segment #1 Time: .1700 hrs

Segment #2: Tc: User Defined

Segment #2 Time: .1000 hrs

=====
Total Tc: .2700 hrs
=====

Type.... Tc Calcs
Name.... D.A. AA-2

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

Type.... Runoff CN-Area
Name.... D.A. AA-2

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	92	51.000			92.00

COMPOSITE AREA & WEIGHTED CN ---> 51.000 92.00 (92)
.....

Name... D.A. AA-2 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. AA-2 2

Tc = .2700 hrs

Drainage Area = 51.000 acres Runoff CN= 92

=====
Computational Time Increment = .03600 hrs
Computed Peak Time = 12.2040 hrs
Computed Peak Flow = 108.64 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1999 hrs
Peak Flow, Interpolated Output = 108.62 cfs
=====

DRAINAGE AREA

ID:D.A. AA-2
CN = 92
Area = 51.000 acres
S = .8696 in
0.2S = .1739 in

Cumulative Runoff

2.6367 in
488140 cu.ft

HYG Volume... 488130 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .27000 hrs (ID: D.A. AA-2)
Computational Incr, Tm = .03600 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 214.02 cfs
Unit peak time Tp = .18000 hrs
Unit receding limb, Tr = .72000 hrs
Total unit time, Tb = .90000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 2
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92
 Calc.Increment= .03600 hrs Out.Incr.= .0125 hrs
 HYG Volume = 488130 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

4.5875	.00	.00	.00	.00	.00
4.6500	.00	.01	.01	.01	.01
4.7125	.01	.01	.02	.02	.02
4.7750	.02	.03	.03	.03	.04
4.8375	.04	.04	.04	.05	.05
4.9000	.05	.06	.06	.06	.07
4.9625	.07	.07	.08	.08	.08
5.0250	.09	.09	.10	.10	.10
5.0875	.11	.11	.11	.12	.12
5.1500	.12	.13	.13	.13	.14
5.2125	.14	.15	.15	.15	.16
5.2750	.16	.16	.17	.17	.18
5.3375	.18	.18	.19	.19	.19
5.4000	.20	.20	.21	.21	.21
5.4625	.22	.22	.22	.23	.23
5.5250	.24	.24	.24	.25	.25
5.5875	.26	.26	.26	.27	.27
5.6500	.27	.28	.28	.29	.29
5.7125	.29	.30	.30	.31	.31
5.7750	.31	.32	.32	.33	.33
5.8375	.33	.34	.34	.35	.35
5.9000	.35	.36	.36	.37	.37
5.9625	.37	.38	.38	.39	.39
6.0250	.39	.40	.40	.41	.41
6.0875	.41	.42	.42	.43	.43
6.1500	.44	.44	.45	.45	.46
6.2125	.46	.47	.47	.48	.48
6.2750	.49	.49	.50	.50	.51
6.3375	.51	.52	.52	.53	.54
6.4000	.54	.55	.55	.56	.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.4625	.57	.58	.58	.59	.59
6.5250	.60	.61	.61	.62	.63
6.5875	.63	.64	.64	.65	.66
6.6500	.66	.67	.68	.68	.69
6.7125	.70	.70	.71	.72	.72
6.7750	.73	.74	.75	.75	.76
6.8375	.77	.77	.78	.79	.79
6.9000	.80	.81	.82	.82	.83
6.9625	.84	.85	.85	.86	.87
7.0250	.88	.88	.89	.90	.91
7.0875	.91	.92	.93	.94	.94
7.1500	.95	.96	.97	.98	.98
7.2125	.99	1.00	1.01	1.02	1.02
7.2750	1.03	1.04	1.05	1.06	1.06
7.3375	1.07	1.08	1.09	1.10	1.11
7.4000	1.12	1.12	1.13	1.14	1.15
7.4625	1.16	1.17	1.18	1.18	1.19
7.5250	1.20	1.21	1.22	1.23	1.24
7.5875	1.25	1.25	1.26	1.27	1.28
7.6500	1.29	1.30	1.31	1.32	1.33
7.7125	1.34	1.35	1.35	1.36	1.37
7.7750	1.38	1.39	1.40	1.41	1.42
7.8375	1.43	1.44	1.45	1.46	1.47
7.9000	1.48	1.49	1.50	1.51	1.52
7.9625	1.53	1.54	1.55	1.56	1.57
8.0250	1.58	1.59	1.60	1.61	1.62
8.0875	1.63	1.64	1.65	1.66	1.67
8.1500	1.68	1.70	1.71	1.72	1.73
8.2125	1.75	1.76	1.78	1.79	1.80
8.2750	1.82	1.83	1.85	1.86	1.88
8.3375	1.90	1.91	1.93	1.94	1.96
8.4000	1.98	1.99	2.01	2.03	2.04
8.4625	2.06	2.08	2.09	2.11	2.13
8.5250	2.15	2.16	2.18	2.20	2.22
8.5875	2.24	2.25	2.27	2.29	2.31
8.6500	2.33	2.35	2.36	2.38	2.40
8.7125	2.42	2.44	2.46	2.48	2.50
8.7750	2.52	2.54	2.56	2.57	2.59
8.8375	2.61	2.63	2.65	2.67	2.69
8.9000	2.71	2.73	2.75	2.77	2.79
8.9625	2.82	2.84	2.86	2.88	2.90
9.0250	2.92	2.94	2.96	2.98	3.00
9.0875	3.02	3.04	3.07	3.09	3.11
9.1500	3.13	3.15	3.17	3.20	3.22
9.2125	3.24	3.26	3.28	3.31	3.33

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.2750	3.35	3.37	3.39	3.42	3.44
9.3375	3.46	3.49	3.51	3.53	3.55
9.4000	3.58	3.60	3.62	3.65	3.67
9.4625	3.69	3.72	3.74	3.76	3.79
9.5250	3.81	3.83	3.86	3.88	3.90
9.5875	3.93	3.95	3.98	4.00	4.02
9.6500	4.05	4.07	4.10	4.12	4.15
9.7125	4.17	4.20	4.22	4.25	4.27
9.7750	4.29	4.32	4.34	4.37	4.39
9.8375	4.42	4.44	4.47	4.49	4.52
9.9000	4.55	4.57	4.60	4.62	4.65
9.9625	4.67	4.70	4.72	4.75	4.78
10.0250	4.80	4.83	4.86	4.88	4.91
10.0875	4.94	4.97	5.00	5.03	5.06
10.1500	5.09	5.12	5.16	5.19	5.23
10.2125	5.26	5.30	5.34	5.37	5.41
10.2750	5.45	5.49	5.53	5.57	5.62
10.3375	5.66	5.70	5.74	5.79	5.83
10.4000	5.87	5.92	5.96	6.01	6.05
10.4625	6.10	6.15	6.19	6.24	6.28
10.5250	6.33	6.38	6.43	6.47	6.52
10.5875	6.57	6.61	6.66	6.71	6.76
10.6500	6.81	6.85	6.90	6.95	7.00
10.7125	7.05	7.10	7.15	7.20	7.25
10.7750	7.30	7.34	7.39	7.44	7.49
10.8375	7.54	7.59	7.64	7.70	7.75
10.9000	7.80	7.85	7.90	7.95	8.00
10.9625	8.05	8.11	8.16	8.21	8.26
11.0250	8.32	8.38	8.43	8.50	8.56
11.0875	8.62	8.69	8.77	8.84	8.93
11.1500	9.01	9.10	9.20	9.30	9.41
11.2125	9.52	9.64	9.76	9.89	10.02
11.2750	10.15	10.29	10.43	10.58	10.73
11.3375	10.88	11.03	11.19	11.34	11.50
11.4000	11.66	11.82	11.99	12.16	12.33
11.4625	12.50	12.66	12.84	13.03	13.22
11.5250	13.42	13.66	13.90	14.18	14.49
11.5875	14.81	15.22	15.67	16.12	16.69
11.6500	17.30	17.91	18.68	19.48	20.27
11.7125	21.27	22.27	23.29	24.43	25.58
11.7750	26.77	28.08	29.38	30.74	32.19
11.8375	33.64	35.12	36.64	38.15	39.78
11.9000	41.50	43.22	45.26	47.45	49.63
11.9625	52.43	55.35	58.28	62.02	65.80
12.0250	69.62	73.84	78.06	82.26	86.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.0875	90.45	94.31	97.63	100.96	103.69
12.1500	105.65	107.61	108.52	108.57	108.62
12.2125	107.58	106.01	104.44	102.16	99.70
12.2750	97.23	94.41	91.54	88.68	85.77
12.3375	82.87	80.01	77.43	74.85	72.34
12.4000	70.01	67.68	65.41	63.23	61.05
12.4625	58.93	56.87	54.81	52.81	50.84
12.5250	48.87	46.99	45.13	43.28	41.57
12.5875	39.87	38.17	36.65	35.12	33.62
12.6500	32.32	31.01	29.76	28.69	27.62
12.7125	26.62	25.75	24.88	24.09	23.40
12.7750	22.71	22.10	21.55	21.00	20.52
12.8375	20.07	19.62	19.23	18.85	18.48
12.9000	18.15	17.83	17.50	17.22	16.93
12.9625	16.66	16.40	16.15	15.90	15.67
13.0250	15.44	15.21	15.00	14.79	14.59
13.0875	14.39	14.20	14.02	13.85	13.67
13.1500	13.52	13.37	13.22	13.09	12.96
13.2125	12.83	12.72	12.61	12.51	12.42
13.2750	12.33	12.24	12.16	12.08	12.00
13.3375	11.93	11.86	11.80	11.73	11.67
13.4000	11.61	11.55	11.49	11.43	11.38
13.4625	11.32	11.27	11.21	11.16	11.10
13.5250	11.05	11.00	10.95	10.90	10.84
13.5875	10.79	10.74	10.69	10.64	10.59
13.6500	10.54	10.49	10.44	10.39	10.34
13.7125	10.29	10.24	10.18	10.13	10.08
13.7750	10.04	9.99	9.94	9.89	9.84
13.8375	9.79	9.74	9.69	9.64	9.59
13.9000	9.54	9.49	9.44	9.39	9.34
13.9625	9.29	9.24	9.19	9.14	9.09
14.0250	9.04	8.99	8.95	8.90	8.85
14.0875	8.80	8.76	8.71	8.67	8.63
14.1500	8.58	8.54	8.50	8.46	8.43
14.2125	8.39	8.36	8.32	8.29	8.26
14.2750	8.23	8.20	8.17	8.14	8.11
14.3375	8.08	8.06	8.03	8.00	7.98
14.4000	7.95	7.93	7.90	7.87	7.85
14.4625	7.83	7.80	7.78	7.75	7.73
14.5250	7.70	7.68	7.65	7.63	7.60
14.5875	7.58	7.55	7.53	7.51	7.48
14.6500	7.46	7.43	7.41	7.39	7.36
14.7125	7.34	7.31	7.29	7.27	7.24
14.7750	7.22	7.19	7.17	7.15	7.12
14.8375	7.10	7.07	7.05	7.03	7.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9000	6.98	6.96	6.93	6.91	6.88
14.9625	6.86	6.83	6.81	6.79	6.76
15.0250	6.74	6.71	6.69	6.67	6.64
15.0875	6.62	6.59	6.57	6.55	6.52
15.1500	6.50	6.47	6.45	6.43	6.40
15.2125	6.38	6.35	6.33	6.31	6.28
15.2750	6.26	6.23	6.21	6.19	6.16
15.3375	6.14	6.11	6.09	6.06	6.04
15.4000	6.02	5.99	5.97	5.94	5.92
15.4625	5.89	5.87	5.85	5.82	5.80
15.5250	5.77	5.75	5.72	5.70	5.68
15.5875	5.65	5.63	5.60	5.58	5.56
15.6500	5.53	5.51	5.48	5.46	5.43
15.7125	5.41	5.39	5.36	5.34	5.31
15.7750	5.29	5.27	5.24	5.22	5.19
15.8375	5.17	5.14	5.12	5.10	5.07
15.9000	5.05	5.02	5.00	4.97	4.95
15.9625	4.92	4.90	4.88	4.85	4.83
16.0250	4.80	4.78	4.76	4.73	4.71
16.0875	4.69	4.67	4.65	4.62	4.60
16.1500	4.58	4.57	4.55	4.53	4.51
16.2125	4.49	4.48	4.46	4.45	4.43
16.2750	4.42	4.40	4.39	4.37	4.36
16.3375	4.35	4.34	4.32	4.31	4.30
16.4000	4.29	4.28	4.26	4.25	4.24
16.4625	4.23	4.22	4.21	4.20	4.19
16.5250	4.18	4.16	4.15	4.14	4.13
16.5875	4.12	4.11	4.10	4.09	4.08
16.6500	4.07	4.06	4.05	4.04	4.03
16.7125	4.01	4.00	3.99	3.98	3.97
16.7750	3.96	3.95	3.94	3.93	3.92
16.8375	3.91	3.90	3.89	3.88	3.87
16.9000	3.86	3.84	3.83	3.82	3.81
16.9625	3.80	3.79	3.78	3.77	3.76
17.0250	3.75	3.74	3.73	3.72	3.71
17.0875	3.70	3.69	3.68	3.67	3.66
17.1500	3.64	3.63	3.62	3.61	3.60
17.2125	3.59	3.58	3.57	3.56	3.55
17.2750	3.54	3.53	3.52	3.51	3.50
17.3375	3.48	3.47	3.46	3.45	3.44
17.4000	3.43	3.42	3.41	3.40	3.39
17.4625	3.38	3.37	3.36	3.35	3.34
17.5250	3.33	3.32	3.31	3.29	3.28
17.5875	3.27	3.26	3.25	3.24	3.23
17.6500	3.22	3.21	3.20	3.19	3.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7125	3.17	3.16	3.15	3.13	3.12
17.7750	3.11	3.10	3.09	3.08	3.07
17.8375	3.06	3.05	3.04	3.03	3.02
17.9000	3.01	3.00	2.99	2.98	2.97
17.9625	2.95	2.94	2.93	2.92	2.91
18.0250	2.90	2.89	2.88	2.87	2.86
18.0875	2.85	2.84	2.83	2.82	2.81
18.1500	2.80	2.80	2.79	2.78	2.77
18.2125	2.77	2.76	2.76	2.75	2.74
18.2750	2.74	2.73	2.73	2.73	2.72
18.3375	2.72	2.71	2.71	2.70	2.70
18.4000	2.70	2.69	2.69	2.69	2.68
18.4625	2.68	2.68	2.67	2.67	2.67
18.5250	2.66	2.66	2.66	2.65	2.65
18.5875	2.65	2.64	2.64	2.64	2.63
18.6500	2.63	2.63	2.62	2.62	2.62
18.7125	2.61	2.61	2.61	2.60	2.60
18.7750	2.60	2.59	2.59	2.59	2.59
18.8375	2.58	2.58	2.58	2.57	2.57
18.9000	2.57	2.56	2.56	2.56	2.55
18.9625	2.55	2.55	2.54	2.54	2.54
19.0250	2.53	2.53	2.53	2.53	2.52
19.0875	2.52	2.52	2.51	2.51	2.51
19.1500	2.50	2.50	2.50	2.49	2.49
19.2125	2.49	2.48	2.48	2.48	2.47
19.2750	2.47	2.47	2.46	2.46	2.46
19.3375	2.45	2.45	2.45	2.45	2.44
19.4000	2.44	2.44	2.43	2.43	2.43
19.4625	2.42	2.42	2.42	2.41	2.41
19.5250	2.41	2.40	2.40	2.40	2.39
19.5875	2.39	2.39	2.38	2.38	2.38
19.6500	2.38	2.37	2.37	2.37	2.36
19.7125	2.36	2.36	2.35	2.35	2.35
19.7750	2.34	2.34	2.34	2.33	2.33
19.8375	2.33	2.32	2.32	2.32	2.32
19.9000	2.31	2.31	2.31	2.30	2.30
19.9625	2.30	2.29	2.29	2.29	2.28
20.0250	2.28	2.28	2.27	2.27	2.27
20.0875	2.26	2.26	2.26	2.25	2.25
20.1500	2.25	2.25	2.24	2.24	2.24
20.2125	2.24	2.23	2.23	2.23	2.23
20.2750	2.22	2.22	2.22	2.22	2.21
20.3375	2.21	2.21	2.21	2.20	2.20
20.4000	2.20	2.20	2.19	2.19	2.19
20.4625	2.18	2.18	2.18	2.18	2.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5250	2.17	2.17	2.17	2.17	2.16
20.5875	2.16	2.16	2.16	2.15	2.15
20.6500	2.15	2.15	2.14	2.14	2.14
20.7125	2.14	2.13	2.13	2.13	2.12
20.7750	2.12	2.12	2.12	2.12	2.11
20.8375	2.11	2.11	2.11	2.10	2.10
20.9000	2.10	2.10	2.10	2.09	2.09
20.9625	2.09	2.09	2.08	2.08	2.08
21.0250	2.08	2.08	2.07	2.07	2.07
21.0875	2.07	2.06	2.06	2.06	2.06
21.1500	2.06	2.05	2.05	2.05	2.04
21.2125	2.04	2.04	2.04	2.03	2.03
21.2750	2.03	2.03	2.02	2.02	2.02
21.3375	2.02	2.01	2.01	2.01	2.01
21.4000	2.01	2.00	2.00	2.00	2.00
21.4625	1.99	1.99	1.99	1.99	1.98
21.5250	1.98	1.98	1.97	1.97	1.97
21.5875	1.97	1.96	1.96	1.96	1.96
21.6500	1.96	1.95	1.95	1.95	1.95
21.7125	1.94	1.94	1.94	1.94	1.93
21.7750	1.93	1.93	1.93	1.93	1.92
21.8375	1.92	1.92	1.92	1.92	1.91
21.9000	1.91	1.91	1.91	1.90	1.90
21.9625	1.90	1.90	1.89	1.89	1.89
22.0250	1.89	1.88	1.88	1.88	1.88
22.0875	1.87	1.87	1.87	1.87	1.86
22.1500	1.86	1.86	1.86	1.85	1.85
22.2125	1.85	1.85	1.85	1.84	1.84
22.2750	1.84	1.84	1.83	1.83	1.83
22.3375	1.82	1.82	1.82	1.82	1.81
22.4000	1.81	1.81	1.81	1.80	1.80
22.4625	1.80	1.80	1.80	1.79	1.79
22.5250	1.79	1.79	1.78	1.78	1.78
22.5875	1.78	1.77	1.77	1.77	1.77
22.6500	1.77	1.76	1.76	1.76	1.76
22.7125	1.76	1.75	1.75	1.75	1.75
22.7750	1.74	1.74	1.74	1.73	1.73
22.8375	1.73	1.73	1.72	1.72	1.72
22.9000	1.72	1.71	1.71	1.71	1.71
22.9625	1.71	1.70	1.70	1.70	1.70
23.0250	1.69	1.69	1.69	1.69	1.68
23.0875	1.68	1.68	1.68	1.67	1.67
23.1500	1.67	1.66	1.66	1.66	1.66
23.2125	1.65	1.65	1.65	1.65	1.65
23.2750	1.64	1.64	1.64	1.64	1.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.3375	1.63	1.63	1.63	1.63	1.62
23.4000	1.62	1.62	1.62	1.61	1.61
23.4625	1.61	1.61	1.61	1.60	1.60
23.5250	1.60	1.60	1.59	1.59	1.59
23.5875	1.59	1.58	1.58	1.58	1.58
23.6500	1.57	1.57	1.57	1.57	1.56
23.7125	1.56	1.56	1.56	1.55	1.55
23.7750	1.55	1.55	1.54	1.54	1.54
23.8375	1.54	1.54	1.53	1.53	1.53
23.9000	1.52	1.52	1.52	1.52	1.51
23.9625	1.51	1.51	1.50	1.50	1.49
24.0250	1.48	1.46	1.44	1.41	1.38
24.0875	1.33	1.27	1.22	1.15	1.08
24.1500	1.00	.93	.85	.78	.70
24.2125	.64	.57	.51	.46	.40
24.2750	.36	.32	.28	.26	.23
24.3375	.20	.18	.16	.14	.13
24.4000	.11	.10	.09	.08	.07
24.4625	.06	.06	.05	.05	.04
24.5250	.04	.03	.03	.02	.02
24.5875	.02	.02	.02	.01	.01
24.6500	.01	.01	.01	.01	.01
24.7125	.01	.00	.00	.00	.00
24.7750	.00	.00	.00	.00	.00

Name... D.A. AA-2 Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
Duration = 24.0000 hrs Rain Depth = 5.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. AA-2 10
Tc = .2700 hrs
Drainage Area = 51.000 acres Runoff CN= 92

=====
Computational Time Increment = .03600 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 183.50 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 183.42 cfs
=====

DRAINAGE AREA

ID:D.A. AA-2
CN = 92
Area = 51.000 acres
S = .8696 in
0.2S = .1739 in

Cumulative Runoff

4.5786 in
847630 cu.ft

HYG Volume... 847615 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .27000 hrs (ID: D.A. AA-2)
Computational Incr, Tm = .03600 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 214.02 cfs
Unit peak time Tp = .18000 hrs
Unit receding limb, Tr = .72000 hrs
Total unit time, Tb = .90000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 10
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92
 Calc.Increment= .03600 hrs Out.Incr.= .0125 hrs
 HYG Volume = 847615 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
3.1375	.00	.00	.00	.00	.00
3.2000	.00	.01	.01	.01	.01
3.2625	.02	.02	.02	.03	.03
3.3250	.03	.04	.04	.05	.05
3.3875	.06	.06	.07	.07	.08
3.4500	.08	.09	.10	.10	.11
3.5125	.11	.12	.12	.13	.14
3.5750	.14	.15	.16	.16	.17
3.6375	.17	.18	.19	.19	.20
3.7000	.21	.21	.22	.22	.23
3.7625	.24	.24	.25	.26	.26
3.8250	.27	.28	.28	.29	.30
3.8875	.30	.31	.32	.32	.33
3.9500	.34	.34	.35	.36	.36
4.0125	.37	.38	.38	.39	.40
4.0750	.40	.41	.42	.42	.43
4.1375	.44	.44	.45	.46	.46
4.2000	.47	.48	.48	.49	.50
4.2625	.50	.51	.52	.52	.53
4.3250	.54	.55	.55	.56	.57
4.3875	.57	.58	.59	.59	.60
4.4500	.61	.61	.62	.63	.64
4.5125	.64	.65	.66	.66	.67
4.5750	.68	.69	.69	.70	.71
4.6375	.71	.72	.73	.73	.74
4.7000	.75	.76	.76	.77	.78
4.7625	.78	.79	.80	.81	.81
4.8250	.82	.83	.84	.84	.85
4.8875	.86	.86	.87	.88	.89
4.9500	.89	.90	.91	.91	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.0125	.93	.94	.94	.95	.96
5.0750	.97	.97	.98	.99	1.00
5.1375	1.00	1.01	1.02	1.02	1.03
5.2000	1.04	1.05	1.05	1.06	1.07
5.2625	1.08	1.08	1.09	1.10	1.11
5.3250	1.11	1.12	1.13	1.14	1.14
5.3875	1.15	1.16	1.17	1.17	1.18
5.4500	1.19	1.20	1.20	1.21	1.22
5.5125	1.23	1.23	1.24	1.25	1.26
5.5750	1.26	1.27	1.28	1.29	1.29
5.6375	1.30	1.31	1.32	1.32	1.33
5.7000	1.34	1.35	1.35	1.36	1.37
5.7625	1.38	1.38	1.39	1.40	1.41
5.8250	1.42	1.42	1.43	1.44	1.45
5.8875	1.45	1.46	1.47	1.48	1.48
5.9500	1.49	1.50	1.51	1.51	1.52
6.0125	1.53	1.54	1.55	1.55	1.56
6.0750	1.57	1.58	1.59	1.60	1.60
6.1375	1.61	1.62	1.63	1.64	1.65
6.2000	1.66	1.67	1.68	1.69	1.70
6.2625	1.71	1.73	1.74	1.75	1.76
6.3250	1.77	1.78	1.80	1.81	1.82
6.3875	1.83	1.85	1.86	1.87	1.89
6.4500	1.90	1.91	1.92	1.94	1.95
6.5125	1.96	1.98	1.99	2.00	2.02
6.5750	2.03	2.04	2.06	2.07	2.09
6.6375	2.10	2.11	2.13	2.14	2.16
6.7000	2.17	2.18	2.20	2.21	2.23
6.7625	2.24	2.26	2.27	2.28	2.30
6.8250	2.31	2.33	2.34	2.36	2.37
6.8875	2.39	2.40	2.42	2.43	2.45
6.9500	2.46	2.48	2.49	2.51	2.52
7.0125	2.54	2.55	2.57	2.58	2.60
7.0750	2.61	2.63	2.64	2.66	2.68
7.1375	2.69	2.71	2.72	2.74	2.75
7.2000	2.77	2.79	2.80	2.82	2.83
7.2625	2.85	2.87	2.88	2.90	2.91
7.3250	2.93	2.95	2.96	2.98	3.00
7.3875	3.01	3.03	3.05	3.06	3.08
7.4500	3.10	3.11	3.13	3.15	3.16
7.5125	3.18	3.20	3.21	3.23	3.25
7.5750	3.26	3.28	3.30	3.31	3.33
7.6375	3.35	3.37	3.38	3.40	3.42
7.7000	3.43	3.45	3.47	3.49	3.51
7.7625	3.52	3.54	3.56	3.58	3.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.8250	3.61	3.63	3.65	3.66	3.68
7.8875	3.70	3.72	3.74	3.75	3.77
7.9500	3.79	3.81	3.83	3.84	3.86
8.0125	3.88	3.90	3.92	3.94	3.95
8.0750	3.97	3.99	4.01	4.03	4.06
8.1375	4.08	4.10	4.12	4.15	4.17
8.2000	4.20	4.22	4.25	4.28	4.31
8.2625	4.33	4.36	4.39	4.42	4.45
8.3250	4.48	4.51	4.54	4.58	4.61
8.3875	4.64	4.67	4.70	4.74	4.77
8.4500	4.80	4.83	4.87	4.90	4.93
8.5125	4.97	5.00	5.04	5.07	5.10
8.5750	5.14	5.17	5.21	5.24	5.28
8.6375	5.31	5.35	5.38	5.42	5.45
8.7000	5.49	5.52	5.56	5.60	5.63
8.7625	5.67	5.71	5.74	5.78	5.81
8.8250	5.85	5.89	5.92	5.96	6.00
8.8875	6.03	6.07	6.11	6.15	6.18
8.9500	6.22	6.26	6.30	6.33	6.37
9.0125	6.41	6.45	6.49	6.52	6.56
9.0750	6.60	6.64	6.68	6.71	6.75
9.1375	6.79	6.83	6.87	6.91	6.95
9.2000	6.99	7.03	7.07	7.11	7.15
9.2625	7.19	7.22	7.26	7.30	7.34
9.3250	7.38	7.42	7.46	7.50	7.54
9.3875	7.58	7.62	7.66	7.70	7.75
9.4500	7.79	7.83	7.87	7.91	7.95
9.5125	7.99	8.03	8.07	8.11	8.15
9.5750	8.20	8.24	8.28	8.32	8.36
9.6375	8.40	8.44	8.49	8.53	8.57
9.7000	8.61	8.65	8.70	8.74	8.78
9.7625	8.82	8.86	8.91	8.95	8.99
9.8250	9.03	9.08	9.12	9.16	9.20
9.8875	9.25	9.29	9.33	9.37	9.42
9.9500	9.46	9.50	9.55	9.59	9.63
10.0125	9.68	9.72	9.77	9.81	9.86
10.0750	9.90	9.95	10.00	10.05	10.10
10.1375	10.15	10.21	10.26	10.32	10.38
10.2000	10.44	10.50	10.56	10.63	10.70
10.2625	10.76	10.83	10.90	10.97	11.05
10.3250	11.12	11.19	11.27	11.34	11.42
10.3875	11.49	11.57	11.65	11.72	11.80
10.4500	11.88	11.96	12.04	12.12	12.20
10.5125	12.28	12.36	12.44	12.52	12.60
10.5750	12.68	12.76	12.84	12.92	13.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.6375	13.09	13.17	13.25	13.33	13.42
10.7000	13.50	13.58	13.67	13.75	13.83
10.7625	13.91	14.00	14.08	14.16	14.25
10.8250	14.33	14.42	14.50	14.58	14.67
10.8875	14.75	14.84	14.92	15.01	15.10
10.9500	15.18	15.27	15.35	15.44	15.53
11.0125	15.61	15.71	15.80	15.90	16.00
11.0750	16.11	16.21	16.34	16.46	16.59
11.1375	16.73	16.88	17.03	17.21	17.38
11.2000	17.56	17.76	17.96	18.18	18.40
11.2625	18.62	18.86	19.10	19.34	19.60
11.3250	19.86	20.12	20.39	20.66	20.93
11.3875	21.21	21.49	21.77	22.06	22.34
11.4500	22.63	22.92	23.21	23.51	23.84
11.5125	24.16	24.52	24.93	25.34	25.82
11.5750	26.38	26.93	27.63	28.43	29.22
11.6375	30.22	31.29	32.35	33.71	35.10
11.7000	36.49	38.24	39.98	41.76	43.75
11.7625	45.75	47.80	50.06	52.33	54.67
11.8250	57.16	59.65	62.19	64.76	67.34
11.8875	70.11	73.02	75.92	79.37	83.04
11.9500	86.72	91.41	96.32	101.22	107.47
12.0125	113.79	120.16	127.17	134.17	141.13
12.0750	147.86	154.59	160.90	166.28	171.66
12.1375	176.03	179.08	182.13	183.42	183.27
12.2000	183.12	181.16	178.32	175.48	171.48
12.2625	167.18	162.88	158.00	153.07	148.13
12.3250	143.17	138.20	133.32	128.93	124.54
12.3875	120.26	116.31	112.36	108.52	104.84
12.4500	101.16	97.59	94.13	90.67	87.31
12.5125	84.01	80.72	77.58	74.49	71.40
12.5750	68.54	65.72	62.90	60.36	57.83
12.6375	55.34	53.18	51.01	48.94	47.16
12.7000	45.39	43.73	42.29	40.85	39.55
12.7625	38.41	37.26	36.26	35.34	34.43
12.8250	33.64	32.89	32.15	31.50	30.88
12.8875	30.25	29.71	29.18	28.64	28.17
12.9500	27.70	27.24	26.83	26.41	26.01
13.0125	25.62	25.24	24.87	24.52	24.17
13.0750	23.84	23.52	23.20	22.91	22.62
13.1375	22.33	22.08	21.83	21.58	21.37
13.2000	21.16	20.95	20.77	20.59	20.41
13.2625	20.26	20.11	19.97	19.84	19.71
13.3250	19.58	19.47	19.35	19.24	19.14
13.3875	19.03	18.93	18.83	18.74	18.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.4500	18.55	18.45	18.36	18.28	18.19
13.5125	18.10	18.01	17.92	17.84	17.75
13.5750	17.67	17.58	17.50	17.41	17.33
13.6375	17.25	17.16	17.08	17.00	16.91
13.7000	16.83	16.75	16.66	16.58	16.50
13.7625	16.42	16.34	16.25	16.17	16.09
13.8250	16.01	15.93	15.85	15.76	15.68
13.8875	15.60	15.52	15.44	15.36	15.28
13.9500	15.20	15.11	15.03	14.95	14.87
14.0125	14.79	14.71	14.63	14.55	14.47
14.0750	14.39	14.32	14.24	14.16	14.09
14.1375	14.02	13.95	13.89	13.82	13.76
14.2000	13.70	13.64	13.58	13.53	13.47
14.2625	13.42	13.37	13.32	13.27	13.23
14.3250	13.18	13.13	13.09	13.04	13.00
14.3875	12.96	12.91	12.87	12.83	12.79
14.4500	12.75	12.71	12.67	12.63	12.59
14.5125	12.54	12.50	12.46	12.42	12.38
14.5750	12.34	12.30	12.26	12.22	12.18
14.6375	12.14	12.10	12.06	12.03	11.99
14.7000	11.95	11.91	11.87	11.83	11.79
14.7625	11.75	11.71	11.67	11.63	11.59
14.8250	11.55	11.52	11.48	11.44	11.40
14.8875	11.36	11.32	11.28	11.24	11.20
14.9500	11.16	11.12	11.08	11.04	11.01
15.0125	10.97	10.93	10.89	10.85	10.81
15.0750	10.77	10.73	10.69	10.65	10.61
15.1375	10.57	10.53	10.49	10.45	10.41
15.2000	10.38	10.34	10.30	10.26	10.22
15.2625	10.18	10.14	10.10	10.06	10.02
15.3250	9.98	9.94	9.90	9.87	9.83
15.3875	9.79	9.75	9.71	9.67	9.63
15.4500	9.59	9.55	9.51	9.47	9.43
15.5125	9.39	9.35	9.31	9.27	9.23
15.5750	9.19	9.15	9.11	9.08	9.04
15.6375	9.00	8.96	8.92	8.88	8.84
15.7000	8.80	8.76	8.72	8.68	8.64
15.7625	8.60	8.56	8.52	8.49	8.45
15.8250	8.41	8.37	8.33	8.29	8.25
15.8875	8.21	8.17	8.13	8.09	8.05
15.9500	8.01	7.97	7.93	7.89	7.85
16.0125	7.81	7.77	7.74	7.70	7.66
16.0750	7.62	7.59	7.55	7.52	7.48
16.1375	7.45	7.42	7.39	7.36	7.33
16.2000	7.30	7.27	7.24	7.22	7.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2625	7.17	7.14	7.12	7.10	7.08
16.3250	7.06	7.03	7.01	6.99	6.98
16.3875	6.96	6.94	6.92	6.90	6.88
16.4500	6.86	6.84	6.82	6.81	6.79
16.5125	6.77	6.75	6.74	6.72	6.70
16.5750	6.68	6.67	6.65	6.63	6.61
16.6375	6.60	6.58	6.56	6.54	6.53
16.7000	6.51	6.49	6.47	6.46	6.44
16.7625	6.42	6.41	6.39	6.37	6.35
16.8250	6.34	6.32	6.30	6.28	6.27
16.8875	6.25	6.23	6.22	6.20	6.18
16.9500	6.16	6.15	6.13	6.11	6.10
17.0125	6.08	6.06	6.04	6.03	6.01
17.0750	5.99	5.98	5.96	5.94	5.92
17.1375	5.91	5.89	5.87	5.86	5.84
17.2000	5.82	5.81	5.79	5.77	5.75
17.2625	5.73	5.72	5.70	5.68	5.67
17.3250	5.65	5.63	5.61	5.60	5.58
17.3875	5.56	5.55	5.53	5.51	5.49
17.4500	5.48	5.46	5.44	5.42	5.41
17.5125	5.39	5.37	5.36	5.34	5.32
17.5750	5.31	5.29	5.27	5.25	5.24
17.6375	5.22	5.20	5.18	5.17	5.15
17.7000	5.13	5.12	5.10	5.08	5.06
17.7625	5.05	5.03	5.01	5.00	4.98
17.8250	4.96	4.94	4.93	4.91	4.89
17.8875	4.87	4.86	4.84	4.82	4.81
17.9500	4.79	4.77	4.75	4.74	4.72
18.0125	4.70	4.69	4.67	4.65	4.63
18.0750	4.62	4.60	4.59	4.57	4.55
18.1375	4.54	4.53	4.51	4.50	4.49
18.2000	4.48	4.47	4.46	4.45	4.44
18.2625	4.43	4.42	4.42	4.41	4.40
18.3250	4.39	4.39	4.38	4.37	4.37
18.3875	4.36	4.35	4.35	4.34	4.34
18.4500	4.33	4.33	4.32	4.31	4.31
18.5125	4.30	4.30	4.29	4.29	4.28
18.5750	4.28	4.27	4.27	4.26	4.26
18.6375	4.25	4.24	4.24	4.23	4.23
18.7000	4.22	4.22	4.21	4.21	4.20
18.7625	4.20	4.19	4.19	4.18	4.18
18.8250	4.17	4.17	4.16	4.16	4.15
18.8875	4.15	4.14	4.14	4.13	4.13
18.9500	4.12	4.12	4.11	4.10	4.10
19.0125	4.09	4.09	4.08	4.08	4.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0750	4.07	4.06	4.06	4.05	4.05
19.1375	4.04	4.04	4.03	4.03	4.02
19.2000	4.02	4.01	4.01	4.00	4.00
19.2625	3.99	3.99	3.98	3.98	3.97
19.3250	3.97	3.96	3.96	3.95	3.94
19.3875	3.94	3.93	3.93	3.92	3.92
19.4500	3.91	3.91	3.90	3.90	3.89
19.5125	3.89	3.88	3.88	3.87	3.87
19.5750	3.86	3.86	3.85	3.85	3.84
19.6375	3.84	3.83	3.83	3.82	3.82
19.7000	3.81	3.81	3.80	3.80	3.79
19.7625	3.78	3.78	3.77	3.77	3.76
19.8250	3.76	3.75	3.75	3.74	3.74
19.8875	3.73	3.73	3.72	3.72	3.71
19.9500	3.71	3.70	3.70	3.69	3.69
20.0125	3.68	3.68	3.67	3.67	3.66
20.0750	3.66	3.65	3.65	3.64	3.64
20.1375	3.63	3.63	3.62	3.62	3.61
20.2000	3.61	3.60	3.60	3.60	3.59
20.2625	3.59	3.59	3.58	3.58	3.57
20.3250	3.57	3.57	3.56	3.56	3.55
20.3875	3.55	3.54	3.54	3.54	3.53
20.4500	3.53	3.52	3.52	3.51	3.51
20.5125	3.51	3.50	3.50	3.49	3.49
20.5750	3.49	3.48	3.48	3.48	3.47
20.6375	3.47	3.46	3.46	3.46	3.45
20.7000	3.45	3.44	3.44	3.43	3.43
20.7625	3.43	3.42	3.42	3.41	3.41
20.8250	3.41	3.40	3.40	3.40	3.39
20.8875	3.39	3.38	3.38	3.38	3.37
20.9500	3.37	3.37	3.36	3.36	3.35
21.0125	3.35	3.35	3.34	3.34	3.34
21.0750	3.33	3.33	3.33	3.32	3.32
21.1375	3.32	3.31	3.31	3.30	3.30
21.2000	3.30	3.29	3.29	3.28	3.28
21.2625	3.27	3.27	3.27	3.26	3.26
21.3250	3.25	3.25	3.25	3.24	3.24
21.3875	3.24	3.23	3.23	3.22	3.22
21.4500	3.22	3.21	3.21	3.20	3.20
21.5125	3.20	3.19	3.19	3.18	3.18
21.5750	3.17	3.17	3.17	3.16	3.16
21.6375	3.15	3.15	3.15	3.14	3.14
21.7000	3.14	3.13	3.13	3.13	3.12
21.7625	3.12	3.11	3.11	3.11	3.10
21.8250	3.10	3.10	3.09	3.09	3.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8875	3.08	3.08	3.08	3.07	3.07
21.9500	3.06	3.06	3.06	3.05	3.05
22.0125	3.04	3.04	3.03	3.03	3.03
22.0750	3.02	3.02	3.01	3.01	3.01
22.1375	3.00	3.00	2.99	2.99	2.99
22.2000	2.98	2.98	2.98	2.97	2.97
22.2625	2.96	2.96	2.96	2.95	2.95
22.3250	2.94	2.94	2.93	2.93	2.92
22.3875	2.92	2.92	2.91	2.91	2.91
22.4500	2.90	2.90	2.90	2.89	2.89
22.5125	2.88	2.88	2.88	2.87	2.87
22.5750	2.87	2.86	2.86	2.85	2.85
22.6375	2.85	2.84	2.84	2.84	2.83
22.7000	2.83	2.83	2.82	2.82	2.82
22.7625	2.81	2.81	2.80	2.80	2.79
22.8250	2.79	2.79	2.78	2.78	2.77
22.8875	2.77	2.77	2.76	2.76	2.75
22.9500	2.75	2.75	2.74	2.74	2.74
23.0125	2.73	2.73	2.72	2.72	2.72
23.0750	2.71	2.71	2.70	2.70	2.69
23.1375	2.69	2.68	2.68	2.68	2.67
23.2000	2.67	2.66	2.66	2.66	2.65
23.2625	2.65	2.65	2.64	2.64	2.64
23.3250	2.63	2.63	2.62	2.62	2.62
23.3875	2.61	2.61	2.61	2.60	2.60
23.4500	2.60	2.59	2.59	2.59	2.58
23.5125	2.58	2.58	2.57	2.57	2.56
23.5750	2.56	2.55	2.55	2.55	2.54
23.6375	2.54	2.53	2.53	2.52	2.52
23.7000	2.52	2.51	2.51	2.50	2.50
23.7625	2.50	2.49	2.49	2.49	2.48
23.8250	2.48	2.48	2.47	2.47	2.46
23.8875	2.46	2.45	2.45	2.45	2.44
23.9500	2.44	2.43	2.43	2.42	2.41
24.0125	2.40	2.38	2.35	2.32	2.27
24.0750	2.21	2.15	2.05	1.96	1.85
24.1375	1.73	1.61	1.49	1.37	1.25
24.2000	1.13	1.02	.91	.82	.73
24.2625	.64	.58	.52	.45	.41
24.3250	.37	.32	.29	.26	.23
24.3875	.21	.18	.16	.15	.13
24.4500	.12	.10	.09	.08	.07
24.5125	.06	.06	.05	.04	.04
24.5750	.04	.03	.03	.02	.02
24.6375	.02	.02	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.7000	.01	.01	.01	.01	.00
24.7625	.00	.00	.00	.00	.00
24.8250	.00				

Name... D.A. AA-2 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. AA-2 25
Tc = .2700 hrs
Drainage Area = 51.000 acres Runoff CN= 92

=====
Computational Time Increment = .03600 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 220.62 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 220.48 cfs
=====

DRAINAGE AREA

ID:D.A. AA-2
CN = 92
Area = 51.000 acres
S = .8696 in
0.2S = .1739 in

Cumulative Runoff

5.5616 in
1029620 cu.ft

HYG Volume... 1029602 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .27000 hrs (ID: D.A. AA-2)
Computational Incr, Tm = .03600 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 214.02 cfs
Unit peak time Tp = .18000 hrs
Unit receding limb, Tr = .72000 hrs
Total unit time, Tb = .90000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 25
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92
 Calc.Increment= .03600 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1029602 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.7000	.00	.00	.00	.00	.00
2.7625	.00	.01	.01	.01	.01
2.8250	.02	.02	.02	.03	.03
2.8875	.04	.04	.05	.06	.06
2.9500	.07	.07	.08	.09	.09
3.0125	.10	.11	.11	.12	.13
3.0750	.14	.14	.15	.16	.17
3.1375	.17	.18	.19	.20	.20
3.2000	.21	.22	.23	.24	.24
3.2625	.25	.26	.27	.28	.28
3.3250	.29	.30	.31	.32	.32
3.3875	.33	.34	.35	.36	.36
3.4500	.37	.38	.39	.40	.40
3.5125	.41	.42	.43	.44	.45
3.5750	.45	.46	.47	.48	.49
3.6375	.50	.50	.51	.52	.53
3.7000	.54	.55	.55	.56	.57
3.7625	.58	.59	.60	.60	.61
3.8250	.62	.63	.64	.65	.66
3.8875	.66	.67	.68	.69	.70
3.9500	.71	.72	.72	.73	.74
4.0125	.75	.76	.77	.78	.78
4.0750	.79	.80	.81	.82	.83
4.1375	.84	.85	.85	.86	.87
4.2000	.88	.89	.90	.91	.92
4.2625	.92	.93	.94	.95	.96
4.3250	.97	.98	.99	1.00	1.00
4.3875	1.01	1.02	1.03	1.04	1.05
4.4500	1.06	1.07	1.07	1.08	1.09
4.5125	1.10	1.11	1.12	1.13	1.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.5750	1.15	1.16	1.16	1.17	1.18
4.6375	1.19	1.20	1.21	1.22	1.23
4.7000	1.24	1.25	1.25	1.26	1.27
4.7625	1.28	1.29	1.30	1.31	1.32
4.8250	1.33	1.34	1.35	1.35	1.36
4.8875	1.37	1.38	1.39	1.40	1.41
4.9500	1.42	1.43	1.44	1.45	1.46
5.0125	1.46	1.47	1.48	1.49	1.50
5.0750	1.51	1.52	1.53	1.54	1.55
5.1375	1.56	1.57	1.57	1.58	1.59
5.2000	1.60	1.61	1.62	1.63	1.64
5.2625	1.65	1.66	1.67	1.68	1.69
5.3250	1.69	1.70	1.71	1.72	1.73
5.3875	1.74	1.75	1.76	1.77	1.78
5.4500	1.79	1.80	1.81	1.82	1.82
5.5125	1.83	1.84	1.85	1.86	1.87
5.5750	1.88	1.89	1.90	1.91	1.92
5.6375	1.93	1.94	1.95	1.96	1.97
5.7000	1.97	1.98	1.99	2.00	2.01
5.7625	2.02	2.03	2.04	2.05	2.06
5.8250	2.07	2.08	2.09	2.10	2.11
5.8875	2.12	2.12	2.13	2.14	2.15
5.9500	2.16	2.17	2.18	2.19	2.20
6.0125	2.21	2.22	2.23	2.24	2.25
6.0750	2.26	2.27	2.28	2.29	2.30
6.1375	2.31	2.32	2.34	2.35	2.36
6.2000	2.37	2.39	2.40	2.41	2.43
6.2625	2.44	2.46	2.47	2.48	2.50
6.3250	2.52	2.53	2.55	2.56	2.58
6.3875	2.59	2.61	2.63	2.64	2.66
6.4500	2.68	2.69	2.71	2.73	2.74
6.5125	2.76	2.78	2.79	2.81	2.83
6.5750	2.85	2.86	2.88	2.90	2.92
6.6375	2.93	2.95	2.97	2.99	3.00
6.7000	3.02	3.04	3.06	3.08	3.10
6.7625	3.11	3.13	3.15	3.17	3.19
6.8250	3.20	3.22	3.24	3.26	3.28
6.8875	3.30	3.32	3.33	3.35	3.37
6.9500	3.39	3.41	3.43	3.45	3.47
7.0125	3.49	3.51	3.53	3.54	3.56
7.0750	3.58	3.60	3.62	3.64	3.66
7.1375	3.68	3.70	3.72	3.74	3.76
7.2000	3.78	3.80	3.82	3.84	3.86
7.2625	3.88	3.90	3.92	3.94	3.96
7.3250	3.98	4.00	4.02	4.04	4.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.3875	4.08	4.10	4.12	4.14	4.16
7.4500	4.18	4.20	4.22	4.25	4.27
7.5125	4.29	4.31	4.33	4.35	4.37
7.5750	4.39	4.41	4.43	4.45	4.48
7.6375	4.50	4.52	4.54	4.56	4.58
7.7000	4.60	4.62	4.65	4.67	4.69
7.7625	4.71	4.73	4.75	4.78	4.80
7.8250	4.82	4.84	4.86	4.88	4.91
7.8875	4.93	4.95	4.97	4.99	5.01
7.9500	5.04	5.06	5.08	5.10	5.13
8.0125	5.15	5.17	5.19	5.22	5.24
8.0750	5.26	5.29	5.31	5.34	5.36
8.1375	5.39	5.42	5.45	5.48	5.51
8.2000	5.54	5.57	5.60	5.64	5.67
8.2625	5.71	5.74	5.78	5.82	5.85
8.3250	5.89	5.93	5.97	6.01	6.05
8.3875	6.09	6.13	6.17	6.21	6.25
8.4500	6.29	6.33	6.37	6.41	6.45
8.5125	6.50	6.54	6.58	6.62	6.67
8.5750	6.71	6.75	6.79	6.84	6.88
8.6375	6.92	6.97	7.01	7.05	7.10
8.7000	7.14	7.18	7.23	7.27	7.32
8.7625	7.36	7.41	7.45	7.50	7.54
8.8250	7.59	7.63	7.68	7.72	7.77
8.8875	7.81	7.86	7.90	7.95	7.99
8.9500	8.04	8.09	8.13	8.18	8.22
9.0125	8.27	8.32	8.36	8.41	8.45
9.0750	8.50	8.55	8.59	8.64	8.69
9.1375	8.74	8.78	8.83	8.88	8.93
9.2000	8.97	9.02	9.07	9.12	9.16
9.2625	9.21	9.26	9.31	9.36	9.40
9.3250	9.45	9.50	9.55	9.60	9.65
9.3875	9.69	9.74	9.79	9.84	9.89
9.4500	9.94	9.99	10.03	10.08	10.13
9.5125	10.18	10.23	10.28	10.33	10.38
9.5750	10.43	10.48	10.53	10.58	10.63
9.6375	10.68	10.73	10.78	10.83	10.88
9.7000	10.93	10.98	11.03	11.08	11.13
9.7625	11.18	11.23	11.28	11.33	11.38
9.8250	11.43	11.48	11.54	11.59	11.64
9.8875	11.69	11.74	11.79	11.84	11.89
9.9500	11.94	11.99	12.04	12.10	12.15
10.0125	12.20	12.25	12.31	12.36	12.41
10.0750	12.47	12.53	12.58	12.64	12.71
10.1375	12.77	12.83	12.90	12.97	13.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.2000	13.11	13.19	13.26	13.34	13.42
10.2625	13.50	13.59	13.67	13.76	13.84
10.3250	13.93	14.02	14.11	14.20	14.29
10.3875	14.38	14.47	14.57	14.66	14.76
10.4500	14.85	14.95	15.04	15.14	15.23
10.5125	15.33	15.42	15.52	15.62	15.72
10.5750	15.81	15.91	16.01	16.11	16.21
10.6375	16.30	16.40	16.50	16.60	16.70
10.7000	16.80	16.90	17.00	17.10	17.19
10.7625	17.29	17.39	17.49	17.59	17.69
10.8250	17.79	17.89	17.99	18.09	18.19
10.8875	18.30	18.40	18.50	18.60	18.70
10.9500	18.81	18.91	19.01	19.11	19.22
11.0125	19.32	19.43	19.55	19.66	19.78
11.0750	19.91	20.04	20.18	20.33	20.48
11.1375	20.66	20.84	21.02	21.23	21.44
11.2000	21.66	21.90	22.15	22.40	22.67
11.2625	22.94	23.23	23.52	23.82	24.13
11.3250	24.44	24.76	25.08	25.41	25.73
11.3875	26.07	26.41	26.75	27.10	27.45
11.4500	27.80	28.15	28.49	28.86	29.25
11.5125	29.64	30.07	30.56	31.06	31.64
11.5750	32.31	32.98	33.84	34.80	35.76
11.6375	36.97	38.27	39.56	41.20	42.89
11.7000	44.58	46.69	48.81	50.96	53.37
11.7625	55.79	58.28	61.01	63.74	66.57
11.8250	69.58	72.59	75.64	78.74	81.85
11.8875	85.18	88.67	92.15	96.30	100.71
11.9500	105.12	110.75	116.63	122.51	130.00
12.0125	137.57	145.20	153.58	161.97	170.28
12.0750	178.31	186.34	193.86	200.26	206.65
12.1375	211.83	215.42	219.01	220.48	220.23
12.2000	219.98	217.56	214.09	210.61	205.77
12.2625	200.55	195.34	189.45	183.50	177.54
12.3250	171.56	165.57	159.69	154.40	149.11
12.3875	143.97	139.22	134.47	129.84	125.42
12.4500	121.00	116.71	112.56	108.40	104.38
12.5125	100.42	96.47	92.71	89.01	85.31
12.5750	81.89	78.51	75.13	72.10	69.07
12.6375	66.09	63.50	60.91	58.43	56.30
12.7000	54.18	52.20	50.47	48.75	47.20
12.7625	45.83	44.46	43.26	42.17	41.08
12.8250	40.13	39.24	38.34	37.57	36.83
12.8875	36.08	35.44	34.80	34.16	33.60
12.9500	33.04	32.49	31.99	31.49	31.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.0125	30.55	30.09	29.65	29.23	28.81
13.0750	28.42	28.04	27.66	27.31	26.96
13.1375	26.62	26.32	26.02	25.72	25.47
13.2000	25.22	24.97	24.75	24.54	24.33
13.2625	24.15	23.97	23.80	23.64	23.49
13.3250	23.34	23.20	23.06	22.93	22.80
13.3875	22.68	22.56	22.44	22.32	22.21
13.4500	22.10	21.99	21.88	21.77	21.67
13.5125	21.56	21.46	21.35	21.25	21.15
13.5750	21.05	20.95	20.85	20.75	20.64
13.6375	20.54	20.44	20.34	20.25	20.15
13.7000	20.05	19.95	19.85	19.75	19.65
13.7625	19.55	19.46	19.36	19.26	19.17
13.8250	19.07	18.97	18.87	18.77	18.68
13.8875	18.58	18.49	18.39	18.29	18.19
13.9500	18.10	18.00	17.90	17.81	17.71
14.0125	17.61	17.51	17.42	17.32	17.23
14.0750	17.14	17.05	16.96	16.87	16.78
14.1375	16.69	16.61	16.53	16.45	16.38
14.2000	16.31	16.24	16.17	16.10	16.04
14.2625	15.98	15.92	15.86	15.80	15.74
14.3250	15.69	15.63	15.58	15.53	15.48
14.3875	15.43	15.37	15.32	15.27	15.22
14.4500	15.18	15.13	15.08	15.03	14.98
14.5125	14.93	14.88	14.83	14.79	14.74
14.5750	14.69	14.64	14.60	14.55	14.50
14.6375	14.45	14.41	14.36	14.31	14.27
14.7000	14.22	14.17	14.13	14.08	14.03
14.7625	13.98	13.94	13.89	13.84	13.80
14.8250	13.75	13.70	13.66	13.61	13.57
14.8875	13.52	13.47	13.43	13.38	13.33
14.9500	13.28	13.24	13.19	13.14	13.10
15.0125	13.05	13.00	12.95	12.91	12.86
15.0750	12.81	12.77	12.72	12.67	12.63
15.1375	12.58	12.53	12.49	12.44	12.39
15.2000	12.35	12.30	12.25	12.21	12.16
15.2625	12.11	12.07	12.02	11.97	11.93
15.3250	11.88	11.83	11.78	11.74	11.69
15.3875	11.64	11.60	11.55	11.50	11.46
15.4500	11.41	11.36	11.31	11.27	11.22
15.5125	11.17	11.13	11.08	11.03	10.98
15.5750	10.94	10.89	10.84	10.80	10.75
15.6375	10.70	10.66	10.61	10.56	10.52
15.7000	10.47	10.42	10.38	10.33	10.28
15.7625	10.23	10.19	10.14	10.09	10.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.8250	10.00	9.95	9.91	9.86	9.81
15.8875	9.77	9.72	9.67	9.62	9.58
15.9500	9.53	9.48	9.43	9.39	9.34
16.0125	9.29	9.25	9.20	9.16	9.11
16.0750	9.07	9.03	8.98	8.94	8.90
16.1375	8.86	8.82	8.79	8.75	8.72
16.2000	8.68	8.65	8.62	8.58	8.55
16.2625	8.52	8.50	8.47	8.44	8.42
16.3250	8.39	8.37	8.34	8.32	8.30
16.3875	8.27	8.25	8.23	8.20	8.18
16.4500	8.16	8.14	8.12	8.09	8.07
16.5125	8.05	8.03	8.01	7.99	7.97
16.5750	7.95	7.93	7.91	7.89	7.86
16.6375	7.84	7.82	7.80	7.78	7.76
16.7000	7.74	7.72	7.70	7.68	7.66
16.7625	7.64	7.62	7.60	7.58	7.56
16.8250	7.54	7.51	7.49	7.47	7.45
16.8875	7.43	7.41	7.39	7.37	7.35
16.9500	7.33	7.31	7.29	7.27	7.25
17.0125	7.23	7.21	7.19	7.17	7.15
17.0750	7.13	7.11	7.08	7.06	7.04
17.1375	7.02	7.00	6.98	6.96	6.94
17.2000	6.92	6.90	6.88	6.86	6.84
17.2625	6.82	6.80	6.78	6.76	6.74
17.3250	6.72	6.70	6.68	6.66	6.63
17.3875	6.61	6.59	6.57	6.55	6.53
17.4500	6.51	6.49	6.47	6.45	6.43
17.5125	6.41	6.39	6.37	6.35	6.33
17.5750	6.31	6.29	6.27	6.25	6.23
17.6375	6.20	6.18	6.16	6.14	6.12
17.7000	6.10	6.08	6.06	6.04	6.02
17.7625	6.00	5.98	5.96	5.94	5.92
17.8250	5.90	5.88	5.86	5.83	5.81
17.8875	5.79	5.77	5.75	5.73	5.71
17.9500	5.69	5.67	5.65	5.63	5.61
18.0125	5.59	5.57	5.55	5.53	5.51
18.0750	5.49	5.47	5.45	5.43	5.42
18.1375	5.40	5.38	5.37	5.35	5.34
18.2000	5.32	5.31	5.30	5.29	5.28
18.2625	5.27	5.26	5.25	5.24	5.23
18.3250	5.22	5.21	5.21	5.20	5.19
18.3875	5.18	5.18	5.17	5.16	5.16
18.4500	5.15	5.14	5.14	5.13	5.12
18.5125	5.12	5.11	5.10	5.10	5.09
18.5750	5.08	5.08	5.07	5.06	5.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.6375	5.05	5.05	5.04	5.03	5.03
18.7000	5.02	5.01	5.01	5.00	5.00
18.7625	4.99	4.98	4.98	4.97	4.97
18.8250	4.96	4.95	4.95	4.94	4.94
18.8875	4.93	4.92	4.92	4.91	4.90
18.9500	4.90	4.89	4.89	4.88	4.87
19.0125	4.87	4.86	4.86	4.85	4.84
19.0750	4.84	4.83	4.82	4.82	4.81
19.1375	4.81	4.80	4.79	4.79	4.78
19.2000	4.77	4.77	4.76	4.76	4.75
19.2625	4.74	4.74	4.73	4.73	4.72
19.3250	4.71	4.71	4.70	4.70	4.69
19.3875	4.68	4.68	4.67	4.66	4.66
19.4500	4.65	4.65	4.64	4.63	4.63
19.5125	4.62	4.62	4.61	4.60	4.60
19.5750	4.59	4.58	4.58	4.57	4.57
19.6375	4.56	4.55	4.55	4.54	4.54
19.7000	4.53	4.52	4.52	4.51	4.50
19.7625	4.50	4.49	4.49	4.48	4.47
19.8250	4.47	4.46	4.46	4.45	4.44
19.8875	4.44	4.43	4.43	4.42	4.41
19.9500	4.41	4.40	4.39	4.39	4.38
20.0125	4.38	4.37	4.36	4.36	4.35
20.0750	4.35	4.34	4.33	4.33	4.32
20.1375	4.32	4.31	4.30	4.30	4.29
20.2000	4.29	4.28	4.28	4.27	4.27
20.2625	4.27	4.26	4.26	4.25	4.25
20.3250	4.24	4.24	4.23	4.23	4.22
20.3875	4.22	4.21	4.21	4.20	4.20
20.4500	4.19	4.19	4.18	4.18	4.17
20.5125	4.17	4.16	4.16	4.15	4.15
20.5750	4.14	4.14	4.14	4.13	4.13
20.6375	4.12	4.12	4.11	4.11	4.10
20.7000	4.10	4.09	4.09	4.08	4.08
20.7625	4.07	4.07	4.06	4.06	4.05
20.8250	4.05	4.04	4.04	4.03	4.03
20.8875	4.03	4.02	4.02	4.01	4.01
20.9500	4.00	4.00	3.99	3.99	3.99
21.0125	3.98	3.98	3.97	3.97	3.97
21.0750	3.96	3.96	3.95	3.95	3.95
21.1375	3.94	3.94	3.93	3.93	3.92
21.2000	3.92	3.91	3.91	3.90	3.90
21.2625	3.89	3.89	3.88	3.88	3.87
21.3250	3.87	3.86	3.86	3.85	3.85
21.3875	3.84	3.84	3.84	3.83	3.83

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.4500	3.82	3.82	3.81	3.81	3.80
21.5125	3.80	3.79	3.79	3.78	3.78
21.5750	3.77	3.77	3.76	3.76	3.75
21.6375	3.75	3.74	3.74	3.74	3.73
21.7000	3.73	3.72	3.72	3.71	3.71
21.7625	3.70	3.70	3.70	3.69	3.69
21.8250	3.68	3.68	3.68	3.67	3.67
21.8875	3.66	3.66	3.65	3.65	3.65
21.9500	3.64	3.64	3.63	3.63	3.62
22.0125	3.62	3.61	3.61	3.60	3.60
22.0750	3.59	3.59	3.58	3.58	3.57
22.1375	3.57	3.56	3.56	3.55	3.55
22.2000	3.55	3.54	3.54	3.53	3.53
22.2625	3.52	3.52	3.51	3.51	3.50
22.3250	3.50	3.49	3.49	3.48	3.48
22.3875	3.47	3.47	3.46	3.46	3.45
22.4500	3.45	3.44	3.44	3.44	3.43
22.5125	3.43	3.42	3.42	3.41	3.41
22.5750	3.40	3.40	3.40	3.39	3.39
22.6375	3.38	3.38	3.38	3.37	3.37
22.7000	3.36	3.36	3.35	3.35	3.35
22.7625	3.34	3.34	3.33	3.32	3.32
22.8250	3.31	3.31	3.30	3.30	3.29
22.8875	3.29	3.29	3.28	3.28	3.27
22.9500	3.27	3.26	3.26	3.25	3.25
23.0125	3.25	3.24	3.24	3.23	3.23
23.0750	3.22	3.22	3.21	3.21	3.20
23.1375	3.19	3.19	3.18	3.18	3.17
23.2000	3.17	3.17	3.16	3.16	3.15
23.2625	3.15	3.14	3.14	3.14	3.13
23.3250	3.13	3.12	3.12	3.11	3.11
23.3875	3.10	3.10	3.10	3.09	3.09
23.4500	3.08	3.08	3.08	3.07	3.07
23.5125	3.06	3.06	3.05	3.05	3.04
23.5750	3.04	3.03	3.03	3.02	3.02
23.6375	3.01	3.01	3.00	3.00	2.99
23.7000	2.99	2.99	2.98	2.98	2.97
23.7625	2.97	2.96	2.96	2.95	2.95
23.8250	2.95	2.94	2.94	2.93	2.93
23.8875	2.92	2.92	2.91	2.90	2.90
23.9500	2.89	2.89	2.88	2.87	2.86
24.0125	2.85	2.83	2.80	2.76	2.70
24.0750	2.63	2.55	2.44	2.32	2.20
24.1375	2.06	1.92	1.77	1.63	1.48
24.2000	1.35	1.22	1.09	.98	.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.2625	.77	.69	.61	.54	.49
24.3250	.44	.39	.35	.31	.27
24.3875	.25	.22	.19	.17	.15
24.4500	.14	.12	.11	.10	.09
24.5125	.08	.07	.06	.05	.05
24.5750	.04	.04	.03	.03	.03
24.6375	.02	.02	.02	.01	.01
24.7000	.01	.01	.01	.01	.01
24.7625	.00	.00	.00	.00	.00
24.8250	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 50
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92

=====
 Computational Time Increment = .03600 hrs
 Computed Peak Time = 12.1680 hrs
 Computed Peak Flow = 239.09 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1749 hrs
 Peak Flow, Interpolated Output = 238.93 cfs
 =====

DRAINAGE AREA

 ID:D.A. AA-2
 CN = 92
 Area = 51.000 acres
 S = .8696 in
 0.2S = .1739 in

Cumulative Runoff

 6.0548 in
 1120921 cu.ft

HYG Volume... 1120901 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .27000 hrs (ID: D.A. AA-2)
 Computational Incr, Tm = .03600 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 214.02 cfs
 Unit peak time Tp = .18000 hrs
 Unit receding limb, Tr = .72000 hrs
 Total unit time, Tb = .90000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 50
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92
 Calc.Increment= .03600 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1120901 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
2.5250	.00	.00	.00	.00	.00
2.5875	.01	.01	.01	.01	.02
2.6500	.02	.02	.03	.03	.04
2.7125	.04	.05	.06	.06	.07
2.7750	.08	.08	.09	.10	.10
2.8375	.11	.12	.13	.14	.14
2.9000	.15	.16	.17	.18	.18
2.9625	.19	.20	.21	.22	.23
3.0250	.24	.24	.25	.26	.27
3.0875	.28	.29	.30	.30	.31
3.1500	.32	.33	.34	.35	.36
3.2125	.37	.38	.38	.39	.40
3.2750	.41	.42	.43	.44	.45
3.3375	.46	.47	.47	.48	.49
3.4000	.50	.51	.52	.53	.54
3.4625	.55	.56	.57	.58	.58
3.5250	.59	.60	.61	.62	.63
3.5875	.64	.65	.66	.67	.68
3.6500	.69	.70	.71	.71	.72
3.7125	.73	.74	.75	.76	.77
3.7750	.78	.79	.80	.81	.82
3.8375	.83	.84	.85	.86	.87
3.9000	.88	.88	.89	.90	.91
3.9625	.92	.93	.94	.95	.96
4.0250	.97	.98	.99	1.00	1.01
4.0875	1.02	1.03	1.04	1.05	1.06
4.1500	1.07	1.08	1.09	1.10	1.11
4.2125	1.12	1.13	1.14	1.15	1.16
4.2750	1.17	1.17	1.18	1.19	1.20
4.3375	1.21	1.22	1.23	1.24	1.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.4000	1.26	1.27	1.28	1.29	1.30
4.4625	1.31	1.32	1.33	1.34	1.35
4.5250	1.36	1.37	1.38	1.39	1.40
4.5875	1.41	1.42	1.43	1.44	1.45
4.6500	1.46	1.47	1.48	1.49	1.50
4.7125	1.51	1.52	1.53	1.54	1.55
4.7750	1.56	1.57	1.58	1.59	1.60
4.8375	1.61	1.62	1.63	1.64	1.65
4.9000	1.66	1.67	1.68	1.69	1.70
4.9625	1.71	1.72	1.73	1.74	1.75
5.0250	1.76	1.77	1.78	1.79	1.80
5.0875	1.81	1.82	1.83	1.84	1.85
5.1500	1.86	1.87	1.88	1.89	1.90
5.2125	1.91	1.92	1.93	1.94	1.95
5.2750	1.96	1.97	1.99	2.00	2.01
5.3375	2.02	2.03	2.04	2.05	2.06
5.4000	2.07	2.08	2.09	2.10	2.11
5.4625	2.12	2.13	2.14	2.15	2.16
5.5250	2.17	2.18	2.19	2.20	2.21
5.5875	2.22	2.23	2.24	2.25	2.26
5.6500	2.27	2.28	2.29	2.30	2.31
5.7125	2.32	2.33	2.34	2.35	2.36
5.7750	2.37	2.38	2.39	2.40	2.41
5.8375	2.42	2.43	2.44	2.45	2.47
5.9000	2.48	2.49	2.50	2.51	2.52
5.9625	2.53	2.54	2.55	2.56	2.57
6.0250	2.58	2.59	2.60	2.61	2.62
6.0875	2.63	2.64	2.66	2.67	2.68
6.1500	2.69	2.71	2.72	2.73	2.75
6.2125	2.76	2.78	2.79	2.81	2.82
6.2750	2.84	2.85	2.87	2.89	2.91
6.3375	2.92	2.94	2.96	2.98	2.99
6.4000	3.01	3.03	3.05	3.07	3.08
6.4625	3.10	3.12	3.14	3.16	3.18
6.5250	3.20	3.22	3.23	3.25	3.27
6.5875	3.29	3.31	3.33	3.35	3.37
6.6500	3.39	3.41	3.43	3.45	3.47
6.7125	3.49	3.51	3.53	3.55	3.57
6.7750	3.59	3.61	3.63	3.65	3.67
6.8375	3.69	3.71	3.73	3.75	3.77
6.9000	3.79	3.81	3.83	3.85	3.88
6.9625	3.90	3.92	3.94	3.96	3.98
7.0250	4.00	4.02	4.04	4.06	4.09
7.0875	4.11	4.13	4.15	4.17	4.19
7.1500	4.21	4.24	4.26	4.28	4.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.2125	4.32	4.34	4.37	4.39	4.41
7.2750	4.43	4.45	4.48	4.50	4.52
7.3375	4.54	4.57	4.59	4.61	4.63
7.4000	4.66	4.68	4.70	4.72	4.74
7.4625	4.77	4.79	4.81	4.83	4.86
7.5250	4.88	4.90	4.93	4.95	4.97
7.5875	5.00	5.02	5.04	5.06	5.09
7.6500	5.11	5.13	5.16	5.18	5.20
7.7125	5.23	5.25	5.27	5.30	5.32
7.7750	5.34	5.37	5.39	5.41	5.44
7.8375	5.46	5.49	5.51	5.53	5.56
7.9000	5.58	5.60	5.63	5.65	5.68
7.9625	5.70	5.72	5.75	5.77	5.80
8.0250	5.82	5.85	5.87	5.90	5.92
8.0875	5.95	5.97	6.00	6.03	6.06
8.1500	6.09	6.12	6.15	6.19	6.22
8.2125	6.26	6.29	6.33	6.37	6.41
8.2750	6.45	6.49	6.53	6.57	6.61
8.3375	6.65	6.70	6.74	6.78	6.83
8.4000	6.87	6.91	6.96	7.00	7.05
8.4625	7.09	7.14	7.18	7.23	7.27
8.5250	7.32	7.37	7.41	7.46	7.51
8.5875	7.55	7.60	7.65	7.69	7.74
8.6500	7.79	7.84	7.88	7.93	7.98
8.7125	8.03	8.08	8.13	8.17	8.22
8.7750	8.27	8.32	8.37	8.42	8.47
8.8375	8.52	8.57	8.61	8.66	8.71
8.9000	8.76	8.81	8.86	8.91	8.96
8.9625	9.01	9.06	9.11	9.16	9.21
9.0250	9.26	9.31	9.36	9.41	9.46
9.0875	9.51	9.56	9.62	9.67	9.72
9.1500	9.77	9.82	9.87	9.93	9.98
9.2125	10.03	10.08	10.13	10.19	10.24
9.2750	10.29	10.34	10.39	10.44	10.50
9.3375	10.55	10.60	10.65	10.71	10.76
9.4000	10.81	10.86	10.92	10.97	11.02
9.4625	11.08	11.13	11.18	11.23	11.29
9.5250	11.34	11.40	11.45	11.50	11.56
9.5875	11.61	11.66	11.72	11.77	11.83
9.6500	11.88	11.93	11.99	12.04	12.10
9.7125	12.15	12.21	12.26	12.31	12.37
9.7750	12.42	12.48	12.53	12.59	12.64
9.8375	12.70	12.75	12.81	12.86	12.91
9.9000	12.97	13.02	13.08	13.13	13.19
9.9625	13.24	13.30	13.36	13.41	13.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.0250	13.52	13.58	13.64	13.70	13.76
10.0875	13.82	13.88	13.95	14.01	14.08
10.1500	14.15	14.23	14.30	14.37	14.45
10.2125	14.54	14.62	14.70	14.79	14.88
10.2750	14.97	15.06	15.15	15.25	15.34
10.3375	15.44	15.54	15.63	15.73	15.83
10.4000	15.93	16.03	16.13	16.24	16.34
10.4625	16.44	16.54	16.65	16.75	16.86
10.5250	16.96	17.07	17.17	17.28	17.38
10.5875	17.49	17.59	17.70	17.81	17.91
10.6500	18.02	18.13	18.23	18.34	18.45
10.7125	18.55	18.66	18.77	18.88	18.98
10.7750	19.09	19.20	19.31	19.42	19.52
10.8375	19.63	19.74	19.85	19.96	20.07
10.9000	20.18	20.29	20.40	20.51	20.62
10.9625	20.73	20.84	20.95	21.06	21.17
11.0250	21.29	21.42	21.54	21.67	21.81
11.0875	21.94	22.11	22.27	22.43	22.62
11.1500	22.82	23.01	23.24	23.47	23.71
11.2125	23.97	24.24	24.51	24.81	25.10
11.2750	25.41	25.73	26.05	26.39	26.73
11.3375	27.07	27.43	27.78	28.13	28.50
11.4000	28.86	29.23	29.61	29.99	30.37
11.4625	30.75	31.13	31.52	31.94	32.37
11.5250	32.84	33.37	33.91	34.55	35.27
11.5875	36.00	36.93	37.98	39.02	40.34
11.6500	41.75	43.15	44.93	46.77	48.61
11.7125	50.91	53.21	55.54	58.16	60.79
11.7750	63.49	66.46	69.43	72.50	75.76
11.8375	79.03	82.34	85.70	89.07	92.68
11.9000	96.46	100.24	104.73	109.50	114.28
11.9625	120.38	126.74	133.11	141.22	149.41
12.0250	157.67	166.73	175.80	184.79	193.47
12.0875	202.15	210.27	217.17	224.07	229.65
12.1500	233.51	237.36	238.93	238.63	238.33
12.2125	235.69	231.90	228.11	222.84	217.17
12.2750	211.51	205.12	198.65	192.19	185.70
12.3375	179.20	172.83	167.09	161.35	155.78
12.4000	150.63	145.47	140.46	135.67	130.88
12.4625	126.24	121.74	117.24	112.88	108.60
12.5250	104.32	100.25	96.24	92.24	88.53
12.5875	84.88	81.22	77.94	74.67	71.44
12.6500	68.64	65.84	63.16	60.86	58.56
12.7125	56.42	54.55	52.69	51.01	49.53
12.7750	48.05	46.75	45.57	44.39	43.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.8375	42.40	41.43	40.60	39.79	38.99
12.9000	38.29	37.60	36.91	36.30	35.69
12.9625	35.10	34.56	34.03	33.50	33.01
13.0250	32.51	32.03	31.58	31.13	30.70
13.0875	30.29	29.88	29.50	29.13	28.76
13.1500	28.43	28.11	27.79	27.51	27.24
13.2125	26.97	26.74	26.51	26.28	26.09
13.2750	25.89	25.71	25.54	25.37	25.21
13.3375	25.06	24.91	24.77	24.63	24.50
13.4000	24.37	24.24	24.11	23.99	23.87
13.4625	23.75	23.63	23.52	23.40	23.29
13.5250	23.17	23.06	22.95	22.84	22.73
13.5875	22.62	22.51	22.41	22.30	22.19
13.6500	22.08	21.97	21.86	21.76	21.65
13.7125	21.54	21.44	21.33	21.22	21.12
13.7750	21.01	20.91	20.80	20.70	20.59
13.8375	20.49	20.38	20.28	20.17	20.07
13.9000	19.96	19.86	19.75	19.65	19.54
13.9625	19.44	19.33	19.23	19.12	19.02
14.0250	18.91	18.81	18.71	18.61	18.50
14.0875	18.41	18.31	18.21	18.12	18.03
14.1500	17.94	17.85	17.77	17.69	17.61
14.2125	17.53	17.46	17.39	17.32	17.25
14.2750	17.19	17.12	17.06	17.00	16.94
14.3375	16.88	16.82	16.77	16.71	16.66
14.4000	16.60	16.55	16.49	16.44	16.39
14.4625	16.33	16.28	16.23	16.18	16.12
14.5250	16.07	16.02	15.97	15.91	15.86
14.5875	15.81	15.76	15.71	15.66	15.61
14.6500	15.55	15.50	15.45	15.40	15.35
14.7125	15.30	15.25	15.20	15.15	15.10
14.7750	15.05	15.00	14.95	14.90	14.85
14.8375	14.80	14.75	14.70	14.65	14.60
14.9000	14.55	14.49	14.44	14.39	14.34
14.9625	14.29	14.24	14.19	14.14	14.09
15.0250	14.04	13.99	13.93	13.88	13.83
15.0875	13.78	13.73	13.68	13.63	13.58
15.1500	13.53	13.48	13.43	13.38	13.33
15.2125	13.28	13.23	13.18	13.13	13.08
15.2750	13.03	12.98	12.93	12.87	12.82
15.3375	12.77	12.72	12.67	12.62	12.57
15.4000	12.52	12.47	12.42	12.37	12.32
15.4625	12.26	12.21	12.16	12.11	12.06
15.5250	12.01	11.96	11.91	11.86	11.81
15.5875	11.76	11.71	11.65	11.60	11.55

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
15.6500	11.50	11.45	11.40	11.35	11.30
15.7125	11.25	11.20	11.15	11.10	11.05
15.7750	11.00	10.95	10.90	10.85	10.79
15.8375	10.74	10.69	10.64	10.59	10.54
15.9000	10.49	10.44	10.39	10.34	10.28
15.9625	10.23	10.18	10.13	10.08	10.03
16.0250	9.98	9.93	9.88	9.83	9.79
16.0875	9.74	9.70	9.65	9.61	9.57
16.1500	9.52	9.48	9.45	9.41	9.37
16.2125	9.33	9.30	9.26	9.23	9.20
16.2750	9.17	9.14	9.11	9.08	9.06
16.3375	9.03	9.00	8.98	8.95	8.93
16.4000	8.90	8.88	8.86	8.83	8.81
16.4625	8.78	8.76	8.74	8.71	8.69
16.5250	8.67	8.65	8.62	8.60	8.58
16.5875	8.56	8.53	8.51	8.49	8.47
16.6500	8.44	8.42	8.40	8.38	8.35
16.7125	8.33	8.31	8.29	8.27	8.24
16.7750	8.22	8.20	8.18	8.16	8.13
16.8375	8.11	8.09	8.07	8.04	8.02
16.9000	8.00	7.98	7.96	7.93	7.91
16.9625	7.89	7.87	7.85	7.82	7.80
17.0250	7.78	7.76	7.73	7.71	7.69
17.0875	7.67	7.65	7.62	7.60	7.58
17.1500	7.56	7.54	7.52	7.49	7.47
17.2125	7.45	7.43	7.40	7.38	7.36
17.2750	7.34	7.31	7.29	7.27	7.25
17.3375	7.23	7.20	7.18	7.16	7.14
17.4000	7.12	7.09	7.07	7.05	7.03
17.4625	7.01	6.98	6.96	6.94	6.92
17.5250	6.90	6.87	6.85	6.83	6.81
17.5875	6.79	6.76	6.74	6.72	6.70
17.6500	6.67	6.65	6.63	6.61	6.59
17.7125	6.56	6.54	6.52	6.50	6.48
17.7750	6.45	6.43	6.41	6.39	6.36
17.8375	6.34	6.32	6.30	6.28	6.25
17.9000	6.23	6.21	6.19	6.17	6.14
17.9625	6.12	6.10	6.08	6.06	6.03
18.0250	6.01	5.99	5.97	5.95	5.92
18.0875	5.90	5.88	5.86	5.84	5.82
18.1500	5.81	5.79	5.77	5.76	5.75
18.2125	5.73	5.72	5.71	5.70	5.69
18.2750	5.68	5.66	5.66	5.65	5.64
18.3375	5.63	5.62	5.61	5.60	5.59
18.4000	5.59	5.58	5.57	5.56	5.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4625	5.55	5.54	5.54	5.53	5.52
18.5250	5.51	5.51	5.50	5.49	5.49
18.5875	5.48	5.47	5.47	5.46	5.45
18.6500	5.45	5.44	5.43	5.43	5.42
18.7125	5.41	5.41	5.40	5.39	5.38
18.7750	5.38	5.37	5.36	5.36	5.35
18.8375	5.35	5.34	5.33	5.33	5.32
18.9000	5.31	5.31	5.30	5.29	5.29
18.9625	5.28	5.27	5.27	5.26	5.25
19.0250	5.25	5.24	5.23	5.23	5.22
19.0875	5.21	5.21	5.20	5.19	5.19
19.1500	5.18	5.17	5.17	5.16	5.15
19.2125	5.15	5.14	5.13	5.13	5.12
19.2750	5.11	5.11	5.10	5.09	5.09
19.3375	5.08	5.07	5.07	5.06	5.05
19.4000	5.05	5.04	5.03	5.03	5.02
19.4625	5.01	5.01	5.00	4.99	4.99
19.5250	4.98	4.97	4.97	4.96	4.95
19.5875	4.95	4.94	4.93	4.93	4.92
19.6500	4.91	4.91	4.90	4.89	4.89
19.7125	4.88	4.87	4.87	4.86	4.85
19.7750	4.85	4.84	4.83	4.83	4.82
19.8375	4.82	4.81	4.80	4.80	4.79
19.9000	4.78	4.78	4.77	4.76	4.76
19.9625	4.75	4.74	4.73	4.73	4.72
20.0250	4.72	4.71	4.70	4.70	4.69
20.0875	4.68	4.68	4.67	4.66	4.66
20.1500	4.65	4.64	4.64	4.63	4.63
20.2125	4.62	4.62	4.61	4.61	4.60
20.2750	4.60	4.59	4.59	4.58	4.58
20.3375	4.57	4.57	4.56	4.56	4.55
20.4000	4.54	4.54	4.53	4.53	4.52
20.4625	4.52	4.51	4.51	4.50	4.50
20.5250	4.49	4.49	4.48	4.48	4.47
20.5875	4.47	4.46	4.46	4.45	4.45
20.6500	4.44	4.44	4.43	4.43	4.42
20.7125	4.42	4.41	4.40	4.40	4.39
20.7750	4.39	4.38	4.38	4.37	4.37
20.8375	4.36	4.36	4.35	4.35	4.34
20.9000	4.34	4.34	4.33	4.33	4.32
20.9625	4.32	4.31	4.31	4.30	4.30
21.0250	4.29	4.29	4.28	4.28	4.28
21.0875	4.27	4.27	4.26	4.26	4.25
21.1500	4.25	4.24	4.24	4.23	4.23
21.2125	4.22	4.21	4.21	4.20	4.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2750	4.19	4.19	4.18	4.18	4.17
21.3375	4.17	4.16	4.16	4.15	4.15
21.4000	4.14	4.14	4.13	4.13	4.12
21.4625	4.12	4.11	4.11	4.10	4.10
21.5250	4.09	4.09	4.08	4.07	4.07
21.5875	4.06	4.06	4.05	4.05	4.04
21.6500	4.04	4.04	4.03	4.03	4.02
21.7125	4.02	4.01	4.01	4.00	4.00
21.7750	3.99	3.99	3.98	3.98	3.97
21.8375	3.97	3.97	3.96	3.96	3.95
21.9000	3.95	3.94	3.94	3.93	3.93
21.9625	3.92	3.92	3.91	3.91	3.90
22.0250	3.90	3.89	3.88	3.88	3.87
22.0875	3.87	3.86	3.86	3.85	3.85
22.1500	3.84	3.84	3.83	3.83	3.83
22.2125	3.82	3.82	3.81	3.81	3.80
22.2750	3.80	3.79	3.78	3.78	3.77
22.3375	3.77	3.76	3.75	3.75	3.74
22.4000	3.74	3.73	3.73	3.73	3.72
22.4625	3.72	3.71	3.71	3.70	3.70
22.5250	3.69	3.69	3.68	3.68	3.67
22.5875	3.67	3.66	3.66	3.66	3.65
22.6500	3.65	3.64	3.64	3.63	3.63
22.7125	3.63	3.62	3.61	3.61	3.60
22.7750	3.60	3.59	3.59	3.58	3.58
22.8375	3.57	3.57	3.56	3.55	3.55
22.9000	3.54	3.54	3.54	3.53	3.53
22.9625	3.52	3.52	3.51	3.51	3.50
23.0250	3.50	3.49	3.49	3.48	3.48
23.0875	3.47	3.46	3.46	3.45	3.45
23.1500	3.44	3.44	3.43	3.43	3.42
23.2125	3.42	3.41	3.41	3.40	3.40
23.2750	3.39	3.39	3.38	3.38	3.37
23.3375	3.37	3.36	3.36	3.35	3.35
23.4000	3.35	3.34	3.34	3.33	3.33
23.4625	3.32	3.32	3.32	3.31	3.31
23.5250	3.30	3.30	3.29	3.28	3.28
23.5875	3.27	3.27	3.26	3.26	3.25
23.6500	3.25	3.24	3.24	3.23	3.23
23.7125	3.22	3.22	3.21	3.21	3.20
23.7750	3.20	3.19	3.19	3.18	3.18
23.8375	3.17	3.17	3.16	3.16	3.15
23.9000	3.15	3.14	3.13	3.13	3.12
23.9625	3.12	3.11	3.10	3.09	3.08
24.0250	3.05	3.02	2.98	2.91	2.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
24.0875	2.75	2.63	2.51	2.37	2.22
24.1500	2.07	1.91	1.76	1.60	1.45
24.2125	1.31	1.17	1.05	.94	.83
24.2750	.74	.66	.58	.53	.47
24.3375	.42	.37	.33	.30	.27
24.4000	.24	.21	.19	.17	.15
24.4625	.13	.12	.10	.09	.08
24.5250	.07	.07	.06	.05	.05
24.5875	.04	.04	.03	.03	.02
24.6500	.02	.02	.02	.01	.01
24.7125	.01	.01	.01	.01	.01
24.7750	.00	.00	.00	.00	.00
24.8375	.00				

Name... D.A. AA-2 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. AA-2 100

Tc = .2700 hrs

Drainage Area = 51.000 acres Runoff CN= 92

=====
Computational Time Increment = .03600 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 257.52 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 257.33 cfs
=====

DRAINAGE AREA

ID:D.A. AA-2
CN = 92
Area = 51.000 acres
S = .8696 in
0.2S = .1739 in

Cumulative Runoff

6.5488 in
1212376 cu.ft

HYG Volume... 1212357 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .27000 hrs (ID: D.A. AA-2)
Computational Incr, Tm = .03600 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 214.02 cfs
Unit peak time Tp = .18000 hrs
Unit receding limb, Tr = .72000 hrs
Total unit time, Tb = .90000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. AA-2 100
 Tc = .2700 hrs
 Drainage Area = 51.000 acres Runoff CN= 92
 Calc.Increment= .03600 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1212357 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.3750	.00	.00	.00	.00	.01
2.4375	.01	.01	.01	.02	.02
2.5000	.02	.03	.03	.04	.04
2.5625	.05	.06	.06	.07	.08
2.6250	.09	.09	.10	.11	.12
2.6875	.13	.14	.14	.15	.16
2.7500	.17	.18	.19	.20	.21
2.8125	.22	.23	.23	.24	.25
2.8750	.26	.27	.28	.29	.30
2.9375	.31	.32	.33	.34	.35
3.0000	.36	.37	.38	.39	.40
3.0625	.41	.42	.43	.44	.45
3.1250	.46	.47	.48	.49	.50
3.1875	.51	.52	.53	.54	.55
3.2500	.56	.57	.58	.59	.60
3.3125	.61	.62	.63	.64	.65
3.3750	.66	.67	.68	.69	.70
3.4375	.71	.72	.73	.74	.75
3.5000	.76	.77	.78	.79	.80
3.5625	.81	.82	.83	.84	.85
3.6250	.86	.87	.88	.89	.90
3.6875	.91	.92	.93	.94	.95
3.7500	.96	.97	.99	1.00	1.01
3.8125	1.02	1.03	1.04	1.05	1.06
3.8750	1.07	1.08	1.09	1.10	1.11
3.9375	1.12	1.13	1.14	1.15	1.16
4.0000	1.17	1.19	1.20	1.21	1.22
4.0625	1.23	1.24	1.25	1.26	1.27
4.1250	1.28	1.29	1.30	1.31	1.32
4.1875	1.33	1.34	1.36	1.37	1.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.2500	1.39	1.40	1.41	1.42	1.43
4.3125	1.44	1.45	1.46	1.47	1.48
4.3750	1.50	1.51	1.52	1.53	1.54
4.4375	1.55	1.56	1.57	1.58	1.59
4.5000	1.60	1.61	1.63	1.64	1.65
4.5625	1.66	1.67	1.68	1.69	1.70
4.6250	1.71	1.72	1.73	1.74	1.76
4.6875	1.77	1.78	1.79	1.80	1.81
4.7500	1.82	1.83	1.84	1.85	1.87
4.8125	1.88	1.89	1.90	1.91	1.92
4.8750	1.93	1.94	1.95	1.96	1.97
4.9375	1.99	2.00	2.01	2.02	2.03
5.0000	2.04	2.05	2.06	2.07	2.08
5.0625	2.10	2.11	2.12	2.13	2.14
5.1250	2.15	2.16	2.17	2.18	2.19
5.1875	2.21	2.22	2.23	2.24	2.25
5.2500	2.26	2.27	2.28	2.29	2.30
5.3125	2.32	2.33	2.34	2.35	2.36
5.3750	2.37	2.38	2.39	2.40	2.42
5.4375	2.43	2.44	2.45	2.46	2.47
5.5000	2.48	2.49	2.50	2.52	2.53
5.5625	2.54	2.55	2.56	2.57	2.58
5.6250	2.59	2.60	2.61	2.63	2.64
5.6875	2.65	2.66	2.67	2.68	2.69
5.7500	2.70	2.71	2.73	2.74	2.75
5.8125	2.76	2.77	2.78	2.79	2.80
5.8750	2.81	2.82	2.84	2.85	2.86
5.9375	2.87	2.88	2.89	2.90	2.91
6.0000	2.93	2.94	2.95	2.96	2.97
6.0625	2.98	2.99	3.01	3.02	3.03
6.1250	3.05	3.06	3.07	3.09	3.10
6.1875	3.12	3.13	3.15	3.16	3.18
6.2500	3.20	3.21	3.23	3.25	3.27
6.3125	3.29	3.30	3.32	3.34	3.36
6.3750	3.38	3.40	3.42	3.44	3.46
6.4375	3.48	3.50	3.52	3.54	3.56
6.5000	3.58	3.60	3.62	3.65	3.67
6.5625	3.69	3.71	3.73	3.75	3.77
6.6250	3.79	3.81	3.84	3.86	3.88
6.6875	3.90	3.92	3.94	3.97	3.99
6.7500	4.01	4.03	4.05	4.08	4.10
6.8125	4.12	4.14	4.16	4.19	4.21
6.8750	4.23	4.25	4.28	4.30	4.32
6.9375	4.34	4.37	4.39	4.41	4.44
7.0000	4.46	4.48	4.51	4.53	4.55

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.0625	4.57	4.60	4.62	4.64	4.67
7.1250	4.69	4.71	4.74	4.76	4.79
7.1875	4.81	4.83	4.86	4.88	4.90
7.2500	4.93	4.95	4.97	5.00	5.02
7.3125	5.05	5.07	5.10	5.12	5.14
7.3750	5.17	5.19	5.22	5.24	5.27
7.4375	5.29	5.31	5.34	5.36	5.39
7.5000	5.41	5.44	5.46	5.49	5.51
7.5625	5.54	5.56	5.59	5.61	5.64
7.6250	5.66	5.69	5.71	5.74	5.76
7.6875	5.79	5.81	5.84	5.86	5.89
7.7500	5.91	5.94	5.96	5.99	6.02
7.8125	6.04	6.07	6.09	6.12	6.14
7.8750	6.17	6.19	6.22	6.25	6.27
7.9375	6.30	6.32	6.35	6.38	6.40
8.0000	6.43	6.45	6.48	6.51	6.53
8.0625	6.56	6.59	6.62	6.64	6.68
8.1250	6.71	6.74	6.77	6.81	6.84
8.1875	6.88	6.91	6.95	6.99	7.03
8.2500	7.07	7.12	7.16	7.20	7.25
8.3125	7.29	7.34	7.38	7.43	7.48
8.3750	7.52	7.57	7.62	7.67	7.72
8.4375	7.76	7.81	7.86	7.91	7.96
8.5000	8.01	8.06	8.11	8.16	8.21
8.5625	8.26	8.31	8.36	8.41	8.46
8.6250	8.52	8.57	8.62	8.67	8.72
8.6875	8.77	8.83	8.88	8.93	8.98
8.7500	9.04	9.09	9.14	9.19	9.25
8.8125	9.30	9.35	9.41	9.46	9.51
8.8750	9.57	9.62	9.67	9.73	9.78
8.9375	9.83	9.89	9.94	10.00	10.05
9.0000	10.10	10.16	10.21	10.27	10.32
9.0625	10.38	10.43	10.49	10.54	10.60
9.1250	10.65	10.71	10.76	10.82	10.87
9.1875	10.93	10.99	11.04	11.10	11.15
9.2500	11.21	11.27	11.32	11.38	11.43
9.3125	11.49	11.55	11.60	11.66	11.72
9.3750	11.77	11.83	11.89	11.94	12.00
9.4375	12.06	12.11	12.17	12.23	12.28
9.5000	12.34	12.40	12.46	12.51	12.57
9.5625	12.63	12.69	12.74	12.80	12.86
9.6250	12.92	12.98	13.03	13.09	13.15
9.6875	13.21	13.27	13.32	13.38	13.44
9.7500	13.50	13.56	13.62	13.68	13.73
9.8125	13.79	13.85	13.91	13.97	14.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.8750	14.09	14.14	14.20	14.26	14.32
9.9375	14.38	14.44	14.50	14.56	14.62
10.0000	14.68	14.74	14.80	14.86	14.92
10.0625	14.98	15.05	15.11	15.18	15.25
10.1250	15.32	15.40	15.47	15.55	15.63
10.1875	15.71	15.80	15.88	15.97	16.07
10.2500	16.16	16.25	16.35	16.45	16.55
10.3125	16.65	16.75	16.86	16.96	17.07
10.3750	17.17	17.28	17.39	17.50	17.61
10.4375	17.72	17.83	17.94	18.05	18.16
10.5000	18.27	18.38	18.50	18.61	18.72
10.5625	18.84	18.95	19.06	19.18	19.29
10.6250	19.41	19.52	19.64	19.75	19.87
10.6875	19.98	20.09	20.21	20.33	20.44
10.7500	20.56	20.67	20.79	20.90	21.02
10.8125	21.14	21.25	21.37	21.49	21.60
10.8750	21.72	21.83	21.95	22.07	22.19
10.9375	22.31	22.43	22.54	22.66	22.78
11.0000	22.90	23.02	23.15	23.28	23.42
11.0625	23.56	23.70	23.85	24.02	24.20
11.1250	24.38	24.58	24.79	25.00	25.25
11.1875	25.49	25.75	26.04	26.32	26.62
11.2500	26.94	27.25	27.59	27.93	28.28
11.3125	28.64	29.01	29.38	29.76	30.14
11.3750	30.52	30.92	31.31	31.71	32.12
11.4375	32.53	32.94	33.35	33.76	34.18
11.5000	34.63	35.09	35.60	36.18	36.76
11.5625	37.44	38.23	39.01	40.02	41.14
11.6250	42.27	43.70	45.22	46.74	48.66
11.6875	50.64	52.63	55.11	57.59	60.11
11.7500	62.95	65.78	68.69	71.90	75.10
11.8125	78.41	81.93	85.45	89.02	92.65
11.8750	96.27	100.16	104.23	108.30	113.13
11.9375	118.27	123.41	129.98	136.83	143.68
12.0000	152.40	161.22	170.10	179.85	189.60
12.0625	199.26	208.59	217.91	226.64	234.04
12.1250	241.44	247.43	251.55	255.67	257.33
12.1875	256.98	256.63	253.76	249.66	245.56
12.2500	239.87	233.75	227.64	220.74	213.77
12.3125	206.80	199.80	192.80	185.93	179.75
12.3750	173.57	167.56	162.01	156.46	151.06
12.4375	145.90	140.74	135.75	130.90	126.06
12.5000	121.36	116.76	112.15	107.77	103.46
12.5625	99.15	95.17	91.24	87.30	83.78
12.6250	80.25	76.78	73.77	70.76	67.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6875	65.40	62.93	60.63	58.62	56.62
12.7500	54.81	53.22	51.63	50.23	48.96
12.8125	47.69	46.59	45.55	44.52	43.62
12.8750	42.75	41.89	41.14	40.39	39.65
12.9375	39.00	38.35	37.71	37.13	36.55
13.0000	35.99	35.46	34.92	34.41	33.93
13.0625	33.44	32.98	32.54	32.10	31.69
13.1250	31.29	30.89	30.54	30.19	29.85
13.1875	29.55	29.26	28.97	28.72	28.47
13.2500	28.23	28.02	27.81	27.61	27.43
13.3125	27.25	27.08	26.91	26.75	26.60
13.3750	26.45	26.31	26.17	26.03	25.90
13.4375	25.77	25.64	25.51	25.38	25.26
13.5000	25.13	25.01	24.89	24.77	24.65
13.5625	24.53	24.41	24.30	24.18	24.06
13.6250	23.95	23.83	23.71	23.60	23.48
13.6875	23.37	23.25	23.14	23.02	22.91
13.7500	22.79	22.68	22.57	22.45	22.34
13.8125	22.23	22.11	22.00	21.89	21.77
13.8750	21.66	21.55	21.44	21.32	21.21
13.9375	21.10	20.99	20.87	20.76	20.65
14.0000	20.53	20.42	20.31	20.20	20.09
14.0625	19.98	19.87	19.77	19.66	19.56
14.1250	19.46	19.36	19.26	19.17	19.08
14.1875	18.99	18.91	18.83	18.75	18.67
14.2500	18.60	18.52	18.46	18.39	18.32
14.3125	18.25	18.19	18.13	18.06	18.00
14.3750	17.94	17.88	17.82	17.77	17.71
14.4375	17.65	17.59	17.54	17.48	17.42
14.5000	17.37	17.31	17.25	17.20	17.14
14.5625	17.09	17.03	16.98	16.92	16.87
14.6250	16.81	16.76	16.70	16.65	16.59
14.6875	16.54	16.48	16.43	16.37	16.32
14.7500	16.26	16.21	16.16	16.10	16.05
14.8125	15.99	15.94	15.89	15.83	15.78
14.8750	15.72	15.67	15.62	15.56	15.51
14.9375	15.45	15.40	15.34	15.29	15.23
15.0000	15.18	15.13	15.07	15.02	14.96
15.0625	14.91	14.85	14.80	14.74	14.69
15.1250	14.64	14.58	14.53	14.47	14.42
15.1875	14.36	14.31	14.25	14.20	14.15
15.2500	14.09	14.04	13.98	13.93	13.88
15.3125	13.82	13.77	13.71	13.66	13.60
15.3750	13.55	13.49	13.44	13.39	13.33
15.4375	13.28	13.22	13.17	13.11	13.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5000	13.00	12.95	12.89	12.84	12.78
15.5625	12.73	12.67	12.62	12.57	12.51
15.6250	12.46	12.40	12.35	12.29	12.24
15.6875	12.19	12.13	12.08	12.02	11.97
15.7500	11.91	11.86	11.81	11.75	11.70
15.8125	11.64	11.59	11.53	11.48	11.42
15.8750	11.37	11.32	11.26	11.21	11.15
15.9375	11.10	11.04	10.99	10.93	10.88
16.0000	10.82	10.77	10.71	10.66	10.61
16.0625	10.56	10.51	10.46	10.41	10.36
16.1250	10.31	10.27	10.22	10.18	10.14
16.1875	10.10	10.06	10.02	9.98	9.95
16.2500	9.91	9.88	9.84	9.81	9.78
16.3125	9.75	9.72	9.69	9.67	9.64
16.3750	9.61	9.59	9.56	9.53	9.51
16.4375	9.48	9.45	9.43	9.40	9.38
16.5000	9.35	9.33	9.30	9.28	9.26
16.5625	9.23	9.21	9.18	9.16	9.14
16.6250	9.11	9.09	9.06	9.04	9.01
16.6875	8.99	8.97	8.94	8.92	8.90
16.7500	8.87	8.85	8.83	8.80	8.78
16.8125	8.76	8.73	8.71	8.68	8.66
16.8750	8.63	8.61	8.59	8.56	8.54
16.9375	8.52	8.49	8.47	8.45	8.42
17.0000	8.40	8.37	8.35	8.33	8.30
17.0625	8.28	8.25	8.23	8.21	8.18
17.1250	8.16	8.14	8.11	8.09	8.07
17.1875	8.04	8.02	8.00	7.97	7.95
17.2500	7.92	7.90	7.88	7.85	7.83
17.3125	7.80	7.78	7.76	7.73	7.71
17.3750	7.69	7.66	7.64	7.62	7.59
17.4375	7.57	7.54	7.52	7.50	7.47
17.5000	7.45	7.42	7.40	7.38	7.35
17.5625	7.33	7.31	7.28	7.26	7.24
17.6250	7.21	7.19	7.16	7.14	7.12
17.6875	7.09	7.07	7.04	7.02	7.00
17.7500	6.97	6.95	6.93	6.90	6.88
17.8125	6.86	6.83	6.81	6.78	6.76
17.8750	6.74	6.71	6.69	6.66	6.64
17.9375	6.62	6.59	6.57	6.55	6.52
18.0000	6.50	6.48	6.45	6.43	6.41
18.0625	6.38	6.36	6.34	6.31	6.29
18.1250	6.27	6.25	6.23	6.22	6.20
18.1875	6.18	6.17	6.15	6.14	6.13
18.2500	6.11	6.10	6.09	6.08	6.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3125	6.06	6.05	6.04	6.03	6.02
18.3750	6.01	6.00	6.00	5.99	5.98
18.4375	5.97	5.96	5.96	5.95	5.94
18.5000	5.93	5.93	5.92	5.91	5.90
18.5625	5.90	5.89	5.88	5.87	5.87
18.6250	5.86	5.85	5.84	5.84	5.83
18.6875	5.82	5.82	5.81	5.80	5.79
18.7500	5.79	5.78	5.77	5.76	5.76
18.8125	5.75	5.74	5.74	5.73	5.72
18.8750	5.72	5.71	5.70	5.69	5.69
18.9375	5.68	5.67	5.67	5.66	5.65
19.0000	5.64	5.64	5.63	5.62	5.62
19.0625	5.61	5.60	5.60	5.59	5.58
19.1250	5.57	5.57	5.56	5.55	5.54
19.1875	5.54	5.53	5.52	5.52	5.51
19.2500	5.50	5.50	5.49	5.48	5.47
19.3125	5.47	5.46	5.45	5.44	5.44
19.3750	5.43	5.42	5.42	5.41	5.40
19.4375	5.40	5.39	5.38	5.37	5.37
19.5000	5.36	5.35	5.35	5.34	5.33
19.5625	5.32	5.32	5.31	5.30	5.30
19.6250	5.29	5.28	5.27	5.27	5.26
19.6875	5.25	5.25	5.24	5.23	5.22
19.7500	5.22	5.21	5.20	5.20	5.19
19.8125	5.18	5.17	5.17	5.16	5.15
19.8750	5.15	5.14	5.13	5.13	5.12
19.9375	5.11	5.10	5.10	5.09	5.08
20.0000	5.07	5.07	5.06	5.05	5.05
20.0625	5.04	5.03	5.03	5.02	5.01
20.1250	5.00	5.00	4.99	4.98	4.98
20.1875	4.97	4.97	4.96	4.96	4.95
20.2500	4.95	4.94	4.94	4.93	4.92
20.3125	4.92	4.91	4.91	4.90	4.90
20.3750	4.89	4.88	4.88	4.87	4.87
20.4375	4.86	4.85	4.85	4.84	4.84
20.5000	4.83	4.83	4.82	4.81	4.81
20.5625	4.80	4.80	4.79	4.79	4.78
20.6250	4.78	4.77	4.77	4.76	4.76
20.6875	4.75	4.75	4.74	4.73	4.73
20.7500	4.72	4.71	4.71	4.70	4.70
20.8125	4.69	4.69	4.68	4.68	4.67
20.8750	4.67	4.66	4.66	4.65	4.65
20.9375	4.64	4.64	4.63	4.63	4.62
21.0000	4.62	4.61	4.61	4.60	4.60
21.0625	4.59	4.59	4.58	4.58	4.57

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1250	4.57	4.56	4.56	4.55	4.55
21.1875	4.54	4.53	4.53	4.52	4.52
21.2500	4.51	4.51	4.50	4.49	4.49
21.3125	4.48	4.48	4.47	4.47	4.46
21.3750	4.46	4.45	4.45	4.44	4.44
21.4375	4.43	4.43	4.42	4.41	4.41
21.5000	4.40	4.40	4.39	4.38	4.38
21.5625	4.37	4.37	4.36	4.35	4.35
21.6250	4.35	4.34	4.34	4.33	4.33
21.6875	4.32	4.32	4.31	4.31	4.30
21.7500	4.29	4.29	4.28	4.28	4.27
21.8125	4.27	4.26	4.26	4.26	4.25
21.8750	4.25	4.24	4.24	4.23	4.23
21.9375	4.22	4.22	4.21	4.20	4.20
22.0000	4.19	4.19	4.18	4.17	4.17
22.0625	4.16	4.16	4.15	4.15	4.14
22.1250	4.14	4.13	4.13	4.12	4.12
22.1875	4.11	4.11	4.10	4.09	4.09
22.2500	4.08	4.08	4.07	4.07	4.06
22.3125	4.05	4.05	4.04	4.04	4.03
22.3750	4.02	4.02	4.01	4.01	4.00
22.4375	4.00	3.99	3.99	3.98	3.98
22.5000	3.97	3.97	3.96	3.96	3.95
22.5625	3.95	3.94	3.94	3.93	3.93
22.6250	3.92	3.92	3.91	3.91	3.90
22.6875	3.90	3.90	3.89	3.88	3.88
22.7500	3.87	3.87	3.86	3.86	3.85
22.8125	3.84	3.84	3.83	3.83	3.82
22.8750	3.81	3.81	3.80	3.80	3.79
22.9375	3.79	3.78	3.78	3.77	3.77
23.0000	3.76	3.76	3.75	3.75	3.74
23.0625	3.74	3.73	3.72	3.72	3.71
23.1250	3.71	3.70	3.69	3.69	3.68
23.1875	3.68	3.67	3.66	3.66	3.66
23.2500	3.65	3.65	3.64	3.64	3.63
23.3125	3.63	3.62	3.61	3.61	3.60
23.3750	3.60	3.59	3.59	3.59	3.58
23.4375	3.58	3.57	3.57	3.56	3.56
23.5000	3.55	3.55	3.54	3.54	3.53
23.5625	3.53	3.52	3.51	3.51	3.50
23.6250	3.50	3.49	3.48	3.48	3.47
23.6875	3.47	3.46	3.46	3.45	3.45
23.7500	3.44	3.44	3.43	3.43	3.42
23.8125	3.41	3.41	3.40	3.40	3.39
23.8750	3.39	3.38	3.38	3.37	3.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.9375	3.36	3.35	3.34	3.34	3.33
24.0000	3.32	3.30	3.27	3.24	3.20
24.0625	3.12	3.04	2.95	2.82	2.69
24.1250	2.55	2.38	2.22	2.05	1.88
24.1875	1.72	1.56	1.41	1.26	1.13
24.2500	1.01	.89	.80	.71	.63
24.3125	.56	.50	.45	.40	.36
24.3750	.32	.29	.25	.22	.20
24.4375	.18	.16	.14	.13	.11
24.5000	.10	.09	.08	.07	.06
24.5625	.06	.05	.04	.04	.03
24.6250	.03	.03	.02	.02	.02
24.6875	.01	.01	.01	.01	.01
24.7500	.01	.01	.00	.00	.00
24.8125	.00	.00	.00		

Type.... Tc Calcs
Name.... D.A. BB

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: User Defined

Segment #1 Time: .0833 hrs

=====
Total Tc: .0833 hrs

Calculated Tc < Min.Tc:
Use Minimum Tc...
Use Tc = .0833 hrs
=====

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

Type.... Runoff CN-Area
Name.... D.A. BB

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	70	.100			70.00

COMPOSITE AREA & WEIGHTED CN ---> .100 70.00 (70)
.....

Name... D.A. BB Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. BB 2

Tc (Min. Tc) = .0833 hrs

Drainage Area = .100 acres Runoff CN= 70

=====
Computational Time Increment = .01111 hrs
Computed Peak Time = 12.1174 hrs
Computed Peak Flow = .10 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1124 hrs
Peak Flow, Interpolated Output = .10 cfs
=====

DRAINAGE AREA

ID:D.A. BB
CN = 70
Area = .100 acres
S = 4.2857 in
0.2S = .8571 in

Cumulative Runoff

1.0081 in
366 cu.ft

HYG Volume... 365 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .08330 hrs (ID: D.A. BB)
Computational Incr, Tm = .01111 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 1.36 cfs
Unit peak time Tp = .05553 hrs
Unit receding limb, Tr = .22213 hrs
Total unit time, Tb = .27767 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. BB 2

Tc (Min. Tc) = .0833 hrs

Drainage Area = .100 acres Runoff CN= 70

Calc.Increment= .01111 hrs Out.Incr.= .0125 hrs

HYG Volume = 365 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
hrs Time on left represents time for first value in each row.

11.2375	.00	.00	.00	.00	.00
11.3000	.00	.00	.00	.00	.00
11.3625	.00	.00	.00	.00	.00
11.4250	.00	.00	.00	.00	.00
11.4875	.00	.00	.00	.00	.00
11.5500	.00	.00	.00	.00	.00
11.6125	.01	.01	.01	.01	.01
11.6750	.01	.01	.01	.01	.01
11.7375	.01	.01	.01	.02	.02
11.8000	.02	.02	.02	.02	.02
11.8625	.02	.03	.03	.03	.03
11.9250	.03	.04	.05	.05	.06
11.9875	.07	.07	.08	.08	.08
12.0500	.09	.09	.09	.10	.10
12.1125	.10	.10	.10	.09	.08
12.1750	.08	.07	.07	.07	.06
12.2375	.06	.06	.06	.06	.05
12.3000	.05	.05	.05	.05	.05
12.3625	.05	.04	.04	.04	.04
12.4250	.04	.04	.04	.03	.03
12.4875	.03	.03	.03	.03	.03
12.5500	.02	.02	.02	.02	.02
12.6125	.02	.02	.02	.02	.02
12.6750	.02	.02	.02	.02	.02
12.7375	.02	.02	.02	.02	.02
12.8000	.02	.02	.02	.02	.02
12.8625	.02	.02	.02	.02	.02
12.9250	.02	.01	.01	.01	.01
12.9875	.01	.01	.01	.01	.01
13.0500	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1125	.01	.01	.01	.01	.01
13.1750	.01	.01	.01	.01	.01
13.2375	.01	.01	.01	.01	.01
13.3000	.01	.01	.01	.01	.01
13.3625	.01	.01	.01	.01	.01
13.4250	.01	.01	.01	.01	.01
13.4875	.01	.01	.01	.01	.01
13.5500	.01	.01	.01	.01	.01
13.6125	.01	.01	.01	.01	.01
13.6750	.01	.01	.01	.01	.01
13.7375	.01	.01	.01	.01	.01
13.8000	.01	.01	.01	.01	.01
13.8625	.01	.01	.01	.01	.01
13.9250	.01	.01	.01	.01	.01
13.9875	.01	.01	.01	.01	.01
14.0500	.01	.01	.01	.01	.01
14.1125	.01	.01	.01	.01	.01
14.1750	.01	.01	.01	.01	.01
14.2375	.01	.01	.01	.01	.01
14.3000	.01	.01	.01	.01	.01
14.3625	.01	.01	.01	.01	.01
14.4250	.01	.01	.01	.01	.01
14.4875	.01	.01	.01	.01	.01
14.5500	.01	.01	.01	.01	.01
14.6125	.01	.01	.01	.01	.01
14.6750	.01	.01	.01	.01	.01
14.7375	.01	.01	.01	.01	.01
14.8000	.01	.01	.01	.01	.01
14.8625	.01	.01	.01	.01	.01
14.9250	.01	.01	.01	.01	.01
14.9875	.01	.01	.01	.01	.01
15.0500	.01	.01	.01	.01	.01
15.1125	.01	.01	.01	.01	.01
15.1750	.01	.01	.01	.01	.01
15.2375	.01	.01	.01	.01	.01
15.3000	.01	.01	.01	.01	.01
15.3625	.01	.01	.01	.01	.01
15.4250	.01	.01	.01	.01	.01
15.4875	.01	.01	.01	.01	.01
15.5500	.01	.01	.01	.01	.01
15.6125	.01	.01	.01	.01	.01
15.6750	.01	.01	.01	.01	.01
15.7375	.01	.01	.01	.01	.01
15.8000	.01	.01	.01	.01	.01
15.8625	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.9250	.01	.01	.01	.01	.01
15.9875	.01	.01	.01	.01	.01
16.0500	.01	.01	.01	.01	.01
16.1125	.01	.01	.01	.01	.01
16.1750	.01	.01	.01	.01	.01
16.2375	.01	.01	.01	.01	.01
16.3000	.01	.01	.01	.00	.00
16.3625	.00	.00	.00	.00	.00
16.4250	.00	.00	.00	.00	.00
16.4875	.00	.00	.00	.00	.00
16.5500	.00	.00	.00	.00	.00
16.6125	.00	.00	.00	.00	.00
16.6750	.00	.00	.00	.00	.00
16.7375	.00	.00	.00	.00	.00
16.8000	.00	.00	.00	.00	.00
16.8625	.00	.00	.00	.00	.00
16.9250	.00	.00	.00	.00	.00
16.9875	.00	.00	.00	.00	.00
17.0500	.00	.00	.00	.00	.00
17.1125	.00	.00	.00	.00	.00
17.1750	.00	.00	.00	.00	.00
17.2375	.00	.00	.00	.00	.00
17.3000	.00	.00	.00	.00	.00
17.3625	.00	.00	.00	.00	.00
17.4250	.00	.00	.00	.00	.00
17.4875	.00	.00	.00	.00	.00
17.5500	.00	.00	.00	.00	.00
17.6125	.00	.00	.00	.00	.00
17.6750	.00	.00	.00	.00	.00
17.7375	.00	.00	.00	.00	.00
17.8000	.00	.00	.00	.00	.00
17.8625	.00	.00	.00	.00	.00
17.9250	.00	.00	.00	.00	.00
17.9875	.00	.00	.00	.00	.00
18.0500	.00	.00	.00	.00	.00
18.1125	.00	.00	.00	.00	.00
18.1750	.00	.00	.00	.00	.00
18.2375	.00	.00	.00	.00	.00
18.3000	.00	.00	.00	.00	.00
18.3625	.00	.00	.00	.00	.00
18.4250	.00	.00	.00	.00	.00
18.4875	.00	.00	.00	.00	.00
18.5500	.00	.00	.00	.00	.00
18.6125	.00	.00	.00	.00	.00
18.6750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.7375	.00	.00	.00	.00	.00
18.8000	.00	.00	.00	.00	.00
18.8625	.00	.00	.00	.00	.00
18.9250	.00	.00	.00	.00	.00
18.9875	.00	.00	.00	.00	.00
19.0500	.00	.00	.00	.00	.00
19.1125	.00	.00	.00	.00	.00
19.1750	.00	.00	.00	.00	.00
19.2375	.00	.00	.00	.00	.00
19.3000	.00	.00	.00	.00	.00
19.3625	.00	.00	.00	.00	.00
19.4250	.00	.00	.00	.00	.00
19.4875	.00	.00	.00	.00	.00
19.5500	.00	.00	.00	.00	.00
19.6125	.00	.00	.00	.00	.00
19.6750	.00	.00	.00	.00	.00
19.7375	.00	.00	.00	.00	.00
19.8000	.00	.00	.00	.00	.00
19.8625	.00	.00	.00	.00	.00
19.9250	.00	.00	.00	.00	.00
19.9875	.00	.00	.00	.00	.00
20.0500	.00	.00	.00	.00	.00
20.1125	.00	.00	.00	.00	.00
20.1750	.00	.00	.00	.00	.00
20.2375	.00	.00	.00	.00	.00
20.3000	.00	.00	.00	.00	.00
20.3625	.00	.00	.00	.00	.00
20.4250	.00	.00	.00	.00	.00
20.4875	.00	.00	.00	.00	.00
20.5500	.00	.00	.00	.00	.00
20.6125	.00	.00	.00	.00	.00
20.6750	.00	.00	.00	.00	.00
20.7375	.00	.00	.00	.00	.00
20.8000	.00	.00	.00	.00	.00
20.8625	.00	.00	.00	.00	.00
20.9250	.00	.00	.00	.00	.00
20.9875	.00	.00	.00	.00	.00
21.0500	.00	.00	.00	.00	.00
21.1125	.00	.00	.00	.00	.00
21.1750	.00	.00	.00	.00	.00
21.2375	.00	.00	.00	.00	.00
21.3000	.00	.00	.00	.00	.00
21.3625	.00	.00	.00	.00	.00
21.4250	.00	.00	.00	.00	.00
21.4875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
21.5500	.00	.00	.00	.00	.00
21.6125	.00	.00	.00	.00	.00
21.6750	.00	.00	.00	.00	.00
21.7375	.00	.00	.00	.00	.00
21.8000	.00	.00	.00	.00	.00
21.8625	.00	.00	.00	.00	.00
21.9250	.00	.00	.00	.00	.00
21.9875	.00	.00	.00	.00	.00
22.0500	.00	.00	.00	.00	.00
22.1125	.00	.00	.00	.00	.00
22.1750	.00	.00	.00	.00	.00
22.2375	.00	.00	.00	.00	.00
22.3000	.00	.00	.00	.00	.00
22.3625	.00	.00	.00	.00	.00
22.4250	.00	.00	.00	.00	.00
22.4875	.00	.00	.00	.00	.00
22.5500	.00	.00	.00	.00	.00
22.6125	.00	.00	.00	.00	.00
22.6750	.00	.00	.00	.00	.00
22.7375	.00	.00	.00	.00	.00
22.8000	.00	.00	.00	.00	.00
22.8625	.00	.00	.00	.00	.00
22.9250	.00	.00	.00	.00	.00
22.9875	.00	.00	.00	.00	.00
23.0500	.00	.00	.00	.00	.00
23.1125	.00	.00	.00	.00	.00
23.1750	.00	.00	.00	.00	.00
23.2375	.00	.00	.00	.00	.00
23.3000	.00	.00	.00	.00	.00
23.3625	.00	.00	.00	.00	.00
23.4250	.00	.00	.00	.00	.00
23.4875	.00	.00	.00	.00	.00
23.5500	.00	.00	.00	.00	.00
23.6125	.00	.00	.00	.00	.00
23.6750	.00	.00	.00	.00	.00
23.7375	.00	.00	.00	.00	.00
23.8000	.00	.00	.00	.00	.00
23.8625	.00	.00	.00	.00	.00
23.9250	.00	.00	.00	.00	.00
23.9875	.00	.00	.00	.00	.00
24.0500	.00	.00	.00	.00	.00

Name... D.A. BB Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 10
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70

=====
 Computational Time Increment = .01111 hrs
 Computed Peak Time = 12.1063 hrs
 Computed Peak Flow = .25 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1124 hrs
 Peak Flow, Interpolated Output = .25 cfs
 =====

DRAINAGE AREA

 ID:D.A. BB
 CN = 70
 Area = .100 acres
 S = 4.2857 in
 0.2S = .8571 in

Cumulative Runoff

 2.4143 in
 876 cu.ft

HYG Volume... 876 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .08330 hrs (ID: D.A. BB)
 Computational Incr, Tm = .01111 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 1.36 cfs
 Unit peak time Tp = .05553 hrs
 Unit receding limb, Tr = .22213 hrs
 Total unit time, Tb = .27767 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 10
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70
 Calc.Increment= .01111 hrs Out.Incr.= .0125 hrs
 HYG Volume = 876 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.7000	.00	.00	.00	.00	.00
9.7625	.00	.00	.00	.00	.00
9.8250	.00	.00	.00	.00	.00
9.8875	.00	.00	.00	.00	.00
9.9500	.00	.00	.00	.00	.00
10.0125	.00	.00	.00	.00	.00
10.0750	.00	.00	.00	.00	.00
10.1375	.00	.00	.00	.00	.00
10.2000	.00	.00	.00	.00	.00
10.2625	.00	.00	.00	.00	.00
10.3250	.00	.00	.00	.00	.00
10.3875	.00	.00	.00	.00	.00
10.4500	.00	.00	.00	.00	.00
10.5125	.00	.00	.00	.00	.00
10.5750	.00	.00	.00	.00	.01
10.6375	.01	.01	.01	.01	.01
10.7000	.01	.01	.01	.01	.01
10.7625	.01	.01	.01	.01	.01
10.8250	.01	.01	.01	.01	.01
10.8875	.01	.01	.01	.01	.01
10.9500	.01	.01	.01	.01	.01
11.0125	.01	.01	.01	.01	.01
11.0750	.01	.01	.01	.01	.01
11.1375	.01	.01	.01	.01	.01
11.2000	.01	.01	.01	.01	.01
11.2625	.01	.01	.01	.01	.01
11.3250	.01	.01	.01	.01	.01
11.3875	.01	.01	.01	.02	.02
11.4500	.02	.02	.02	.02	.02
11.5125	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.5750	.02	.02	.03	.03	.03
11.6375	.03	.03	.04	.04	.04
11.7000	.04	.04	.05	.05	.05
11.7625	.06	.06	.06	.07	.07
11.8250	.07	.07	.08	.08	.09
11.8875	.09	.09	.10	.11	.12
11.9500	.14	.16	.18	.19	.20
12.0125	.21	.22	.23	.23	.24
12.0750	.24	.25	.25	.25	.25
12.1375	.23	.22	.20	.18	.17
12.2000	.16	.15	.15	.14	.14
12.2625	.13	.13	.12	.12	.12
12.3250	.12	.11	.11	.10	.10
12.3875	.10	.09	.09	.09	.08
12.4500	.08	.07	.07	.07	.06
12.5125	.06	.06	.06	.05	.05
12.5750	.05	.05	.04	.04	.04
12.6375	.04	.04	.04	.04	.04
12.7000	.04	.04	.04	.04	.04
12.7625	.04	.04	.04	.04	.04
12.8250	.04	.04	.03	.03	.03
12.8875	.03	.03	.03	.03	.03
12.9500	.03	.03	.03	.03	.03
13.0125	.03	.03	.03	.03	.03
13.0750	.03	.03	.03	.03	.03
13.1375	.03	.03	.03	.03	.03
13.2000	.03	.03	.03	.03	.03
13.2625	.03	.03	.03	.03	.03
13.3250	.03	.03	.03	.03	.02
13.3875	.02	.02	.02	.02	.02
13.4500	.02	.02	.02	.02	.02
13.5125	.02	.02	.02	.02	.02
13.5750	.02	.02	.02	.02	.02
13.6375	.02	.02	.02	.02	.02
13.7000	.02	.02	.02	.02	.02
13.7625	.02	.02	.02	.02	.02
13.8250	.02	.02	.02	.02	.02
13.8875	.02	.02	.02	.02	.02
13.9500	.02	.02	.02	.02	.02
14.0125	.02	.02	.02	.02	.02
14.0750	.02	.02	.02	.02	.02
14.1375	.02	.02	.02	.02	.02
14.2000	.02	.02	.02	.02	.02
14.2625	.02	.02	.02	.02	.02
14.3250	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.3875	.02	.02	.02	.02	.02
14.4500	.02	.02	.02	.02	.02
14.5125	.02	.02	.02	.02	.02
14.5750	.02	.02	.02	.02	.02
14.6375	.02	.02	.02	.02	.02
14.7000	.02	.02	.02	.02	.02
14.7625	.02	.02	.02	.02	.02
14.8250	.02	.02	.02	.02	.02
14.8875	.02	.02	.02	.02	.02
14.9500	.02	.02	.02	.02	.02
15.0125	.02	.02	.02	.02	.02
15.0750	.01	.01	.01	.01	.01
15.1375	.01	.01	.01	.01	.01
15.2000	.01	.01	.01	.01	.01
15.2625	.01	.01	.01	.01	.01
15.3250	.01	.01	.01	.01	.01
15.3875	.01	.01	.01	.01	.01
15.4500	.01	.01	.01	.01	.01
15.5125	.01	.01	.01	.01	.01
15.5750	.01	.01	.01	.01	.01
15.6375	.01	.01	.01	.01	.01
15.7000	.01	.01	.01	.01	.01
15.7625	.01	.01	.01	.01	.01
15.8250	.01	.01	.01	.01	.01
15.8875	.01	.01	.01	.01	.01
15.9500	.01	.01	.01	.01	.01
16.0125	.01	.01	.01	.01	.01
16.0750	.01	.01	.01	.01	.01
16.1375	.01	.01	.01	.01	.01
16.2000	.01	.01	.01	.01	.01
16.2625	.01	.01	.01	.01	.01
16.3250	.01	.01	.01	.01	.01
16.3875	.01	.01	.01	.01	.01
16.4500	.01	.01	.01	.01	.01
16.5125	.01	.01	.01	.01	.01
16.5750	.01	.01	.01	.01	.01
16.6375	.01	.01	.01	.01	.01
16.7000	.01	.01	.01	.01	.01
16.7625	.01	.01	.01	.01	.01
16.8250	.01	.01	.01	.01	.01
16.8875	.01	.01	.01	.01	.01
16.9500	.01	.01	.01	.01	.01
17.0125	.01	.01	.01	.01	.01
17.0750	.01	.01	.01	.01	.01
17.1375	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.2000	.01	.01	.01	.01	.01
17.2625	.01	.01	.01	.01	.01
17.3250	.01	.01	.01	.01	.01
17.3875	.01	.01	.01	.01	.01
17.4500	.01	.01	.01	.01	.01
17.5125	.01	.01	.01	.01	.01
17.5750	.01	.01	.01	.01	.01
17.6375	.01	.01	.01	.01	.01
17.7000	.01	.01	.01	.01	.01
17.7625	.01	.01	.01	.01	.01
17.8250	.01	.01	.01	.01	.01
17.8875	.01	.01	.01	.01	.01
17.9500	.01	.01	.01	.01	.01
18.0125	.01	.01	.01	.01	.01
18.0750	.01	.01	.01	.01	.01
18.1375	.01	.01	.01	.01	.01
18.2000	.01	.01	.01	.01	.01
18.2625	.01	.01	.01	.01	.01
18.3250	.01	.01	.01	.01	.01
18.3875	.01	.01	.01	.01	.01
18.4500	.01	.01	.01	.01	.01
18.5125	.01	.01	.01	.01	.01
18.5750	.01	.01	.01	.01	.01
18.6375	.01	.01	.01	.01	.01
18.7000	.01	.01	.01	.01	.01
18.7625	.01	.01	.01	.01	.01
18.8250	.01	.01	.01	.01	.01
18.8875	.01	.01	.01	.01	.01
18.9500	.01	.01	.01	.01	.01
19.0125	.01	.01	.01	.01	.01
19.0750	.01	.01	.01	.01	.01
19.1375	.01	.01	.01	.01	.01
19.2000	.01	.01	.01	.01	.01
19.2625	.01	.01	.01	.01	.01
19.3250	.01	.01	.01	.01	.01
19.3875	.01	.01	.01	.01	.01
19.4500	.01	.01	.01	.01	.01
19.5125	.01	.01	.01	.01	.01
19.5750	.01	.01	.01	.01	.01
19.6375	.01	.01	.01	.01	.01
19.7000	.01	.01	.01	.01	.01
19.7625	.01	.01	.01	.01	.01
19.8250	.01	.01	.01	.01	.01
19.8875	.01	.01	.01	.01	.01
19.9500	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.0125	.01	.01	.01	.01	.01
20.0750	.01	.01	.01	.01	.01
20.1375	.01	.01	.01	.01	.01
20.2000	.01	.01	.01	.01	.01
20.2625	.01	.01	.01	.01	.01
20.3250	.01	.01	.01	.01	.01
20.3875	.01	.01	.01	.01	.01
20.4500	.01	.01	.01	.01	.01
20.5125	.01	.01	.01	.01	.01
20.5750	.01	.01	.01	.01	.01
20.6375	.01	.01	.01	.01	.01
20.7000	.01	.01	.01	.01	.01
20.7625	.01	.01	.01	.01	.01
20.8250	.01	.01	.01	.01	.01
20.8875	.01	.01	.01	.01	.01
20.9500	.01	.01	.01	.01	.01
21.0125	.01	.01	.01	.01	.01
21.0750	.01	.00	.00	.00	.00
21.1375	.00	.00	.00	.00	.00
21.2000	.00	.00	.00	.00	.00
21.2625	.00	.00	.00	.00	.00
21.3250	.00	.00	.00	.00	.00
21.3875	.00	.00	.00	.00	.00
21.4500	.00	.00	.00	.00	.00
21.5125	.00	.00	.00	.00	.00
21.5750	.00	.00	.00	.00	.00
21.6375	.00	.00	.00	.00	.00
21.7000	.00	.00	.00	.00	.00
21.7625	.00	.00	.00	.00	.00
21.8250	.00	.00	.00	.00	.00
21.8875	.00	.00	.00	.00	.00
21.9500	.00	.00	.00	.00	.00
22.0125	.00	.00	.00	.00	.00
22.0750	.00	.00	.00	.00	.00
22.1375	.00	.00	.00	.00	.00
22.2000	.00	.00	.00	.00	.00
22.2625	.00	.00	.00	.00	.00
22.3250	.00	.00	.00	.00	.00
22.3875	.00	.00	.00	.00	.00
22.4500	.00	.00	.00	.00	.00
22.5125	.00	.00	.00	.00	.00
22.5750	.00	.00	.00	.00	.00
22.6375	.00	.00	.00	.00	.00
22.7000	.00	.00	.00	.00	.00
22.7625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
22.8250	.00	.00	.00	.00	.00
22.8875	.00	.00	.00	.00	.00
22.9500	.00	.00	.00	.00	.00
23.0125	.00	.00	.00	.00	.00
23.0750	.00	.00	.00	.00	.00
23.1375	.00	.00	.00	.00	.00
23.2000	.00	.00	.00	.00	.00
23.2625	.00	.00	.00	.00	.00
23.3250	.00	.00	.00	.00	.00
23.3875	.00	.00	.00	.00	.00
23.4500	.00	.00	.00	.00	.00
23.5125	.00	.00	.00	.00	.00
23.5750	.00	.00	.00	.00	.00
23.6375	.00	.00	.00	.00	.00
23.7000	.00	.00	.00	.00	.00
23.7625	.00	.00	.00	.00	.00
23.8250	.00	.00	.00	.00	.00
23.8875	.00	.00	.00	.00	.00
23.9500	.00	.00	.00	.00	.00
24.0125	.00	.00	.00	.00	.00
24.0750	.00	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 25
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70

=====
 Computational Time Increment = .01111 hrs
 Computed Peak Time = 12.1063 hrs
 Computed Peak Flow = .34 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1124 hrs
 Peak Flow, Interpolated Output = .33 cfs
 =====

DRAINAGE AREA

 ID:D.A. BB
 CN = 70
 Area = .100 acres
 S = 4.2857 in
 0.2S = .8571 in

Cumulative Runoff

 3.2071 in
 1164 cu.ft

HYG Volume... 1163 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .08330 hrs (ID: D.A. BB)
 Computational Incr, Tm = .01111 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 1.36 cfs
 Unit peak time Tp = .05553 hrs
 Unit receding limb, Tr = .22213 hrs
 Total unit time, Tb = .27767 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 25
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70
 Calc.Increment= .01111 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1163 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.0625	.00	.00	.00	.00	.00
9.1250	.00	.00	.00	.00	.00
9.1875	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.3125	.00	.00	.00	.00	.00
9.3750	.00	.00	.00	.00	.00
9.4375	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.5625	.00	.00	.00	.00	.00
9.6250	.00	.00	.00	.00	.00
9.6875	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
9.8125	.00	.00	.00	.00	.00
9.8750	.00	.00	.00	.00	.00
9.9375	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.0625	.00	.01	.01	.01	.01
10.1250	.01	.01	.01	.01	.01
10.1875	.01	.01	.01	.01	.01
10.2500	.01	.01	.01	.01	.01
10.3125	.01	.01	.01	.01	.01
10.3750	.01	.01	.01	.01	.01
10.4375	.01	.01	.01	.01	.01
10.5000	.01	.01	.01	.01	.01
10.5625	.01	.01	.01	.01	.01
10.6250	.01	.01	.01	.01	.01
10.6875	.01	.01	.01	.01	.01
10.7500	.01	.01	.01	.01	.01
10.8125	.01	.01	.01	.01	.01
10.8750	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.9375	.01	.01	.01	.01	.01
11.0000	.01	.01	.01	.01	.01
11.0625	.01	.01	.01	.01	.01
11.1250	.01	.02	.02	.02	.02
11.1875	.02	.02	.02	.02	.02
11.2500	.02	.02	.02	.02	.02
11.3125	.02	.02	.02	.02	.02
11.3750	.02	.02	.02	.02	.02
11.4375	.02	.02	.02	.03	.03
11.5000	.03	.03	.03	.03	.03
11.5625	.03	.04	.04	.04	.04
11.6250	.04	.04	.05	.05	.06
11.6875	.06	.06	.06	.07	.07
11.7500	.08	.08	.09	.09	.09
11.8125	.10	.10	.11	.11	.12
11.8750	.12	.13	.13	.14	.15
11.9375	.17	.19	.22	.24	.26
12.0000	.28	.29	.30	.31	.31
12.0625	.32	.32	.33	.33	.33
12.1250	.33	.31	.28	.26	.24
12.1875	.22	.21	.20	.19	.19
12.2500	.18	.17	.17	.16	.16
12.3125	.16	.15	.15	.14	.13
12.3750	.13	.12	.12	.12	.11
12.4375	.11	.10	.09	.09	.08
12.5000	.08	.08	.08	.07	.07
12.5625	.06	.06	.06	.06	.06
12.6250	.06	.05	.05	.05	.05
12.6875	.05	.05	.05	.05	.05
12.7500	.05	.05	.05	.05	.05
12.8125	.05	.05	.04	.04	.04
12.8750	.04	.04	.04	.04	.04
12.9375	.04	.04	.04	.04	.04
13.0000	.04	.04	.04	.04	.04
13.0625	.04	.04	.04	.04	.03
13.1250	.03	.03	.03	.03	.03
13.1875	.03	.03	.03	.03	.03
13.2500	.03	.03	.03	.03	.03
13.3125	.03	.03	.03	.03	.03
13.3750	.03	.03	.03	.03	.03
13.4375	.03	.03	.03	.03	.03
13.5000	.03	.03	.03	.03	.03
13.5625	.03	.03	.03	.03	.03
13.6250	.03	.03	.03	.03	.03
13.6875	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.7500	.03	.03	.03	.03	.03
13.8125	.03	.03	.03	.03	.03
13.8750	.03	.03	.03	.03	.03
13.9375	.03	.03	.03	.03	.03
14.0000	.03	.02	.02	.02	.02
14.0625	.02	.02	.02	.02	.02
14.1250	.02	.02	.02	.02	.02
14.1875	.02	.02	.02	.02	.02
14.2500	.02	.02	.02	.02	.02
14.3125	.02	.02	.02	.02	.02
14.3750	.02	.02	.02	.02	.02
14.4375	.02	.02	.02	.02	.02
14.5000	.02	.02	.02	.02	.02
14.5625	.02	.02	.02	.02	.02
14.6250	.02	.02	.02	.02	.02
14.6875	.02	.02	.02	.02	.02
14.7500	.02	.02	.02	.02	.02
14.8125	.02	.02	.02	.02	.02
14.8750	.02	.02	.02	.02	.02
14.9375	.02	.02	.02	.02	.02
15.0000	.02	.02	.02	.02	.02
15.0625	.02	.02	.02	.02	.02
15.1250	.02	.02	.02	.02	.02
15.1875	.02	.02	.02	.02	.02
15.2500	.02	.02	.02	.02	.02
15.3125	.02	.02	.02	.02	.02
15.3750	.02	.02	.02	.02	.02
15.4375	.02	.02	.02	.02	.02
15.5000	.02	.02	.02	.02	.02
15.5625	.02	.02	.02	.02	.02
15.6250	.02	.02	.02	.02	.02
15.6875	.02	.02	.02	.02	.02
15.7500	.02	.02	.01	.01	.01
15.8125	.01	.01	.01	.01	.01
15.8750	.01	.01	.01	.01	.01
15.9375	.01	.01	.01	.01	.01
16.0000	.01	.01	.01	.01	.01
16.0625	.01	.01	.01	.01	.01
16.1250	.01	.01	.01	.01	.01
16.1875	.01	.01	.01	.01	.01
16.2500	.01	.01	.01	.01	.01
16.3125	.01	.01	.01	.01	.01
16.3750	.01	.01	.01	.01	.01
16.4375	.01	.01	.01	.01	.01
16.5000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.5625	.01	.01	.01	.01	.01
16.6250	.01	.01	.01	.01	.01
16.6875	.01	.01	.01	.01	.01
16.7500	.01	.01	.01	.01	.01
16.8125	.01	.01	.01	.01	.01
16.8750	.01	.01	.01	.01	.01
16.9375	.01	.01	.01	.01	.01
17.0000	.01	.01	.01	.01	.01
17.0625	.01	.01	.01	.01	.01
17.1250	.01	.01	.01	.01	.01
17.1875	.01	.01	.01	.01	.01
17.2500	.01	.01	.01	.01	.01
17.3125	.01	.01	.01	.01	.01
17.3750	.01	.01	.01	.01	.01
17.4375	.01	.01	.01	.01	.01
17.5000	.01	.01	.01	.01	.01
17.5625	.01	.01	.01	.01	.01
17.6250	.01	.01	.01	.01	.01
17.6875	.01	.01	.01	.01	.01
17.7500	.01	.01	.01	.01	.01
17.8125	.01	.01	.01	.01	.01
17.8750	.01	.01	.01	.01	.01
17.9375	.01	.01	.01	.01	.01
18.0000	.01	.01	.01	.01	.01
18.0625	.01	.01	.01	.01	.01
18.1250	.01	.01	.01	.01	.01
18.1875	.01	.01	.01	.01	.01
18.2500	.01	.01	.01	.01	.01
18.3125	.01	.01	.01	.01	.01
18.3750	.01	.01	.01	.01	.01
18.4375	.01	.01	.01	.01	.01
18.5000	.01	.01	.01	.01	.01
18.5625	.01	.01	.01	.01	.01
18.6250	.01	.01	.01	.01	.01
18.6875	.01	.01	.01	.01	.01
18.7500	.01	.01	.01	.01	.01
18.8125	.01	.01	.01	.01	.01
18.8750	.01	.01	.01	.01	.01
18.9375	.01	.01	.01	.01	.01
19.0000	.01	.01	.01	.01	.01
19.0625	.01	.01	.01	.01	.01
19.1250	.01	.01	.01	.01	.01
19.1875	.01	.01	.01	.01	.01
19.2500	.01	.01	.01	.01	.01
19.3125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
19.3750	.01	.01	.01	.01	.01
19.4375	.01	.01	.01	.01	.01
19.5000	.01	.01	.01	.01	.01
19.5625	.01	.01	.01	.01	.01
19.6250	.01	.01	.01	.01	.01
19.6875	.01	.01	.01	.01	.01
19.7500	.01	.01	.01	.01	.01
19.8125	.01	.01	.01	.01	.01
19.8750	.01	.01	.01	.01	.01
19.9375	.01	.01	.01	.01	.01
20.0000	.01	.01	.01	.01	.01
20.0625	.01	.01	.01	.01	.01
20.1250	.01	.01	.01	.01	.01
20.1875	.01	.01	.01	.01	.01
20.2500	.01	.01	.01	.01	.01
20.3125	.01	.01	.01	.01	.01
20.3750	.01	.01	.01	.01	.01
20.4375	.01	.01	.01	.01	.01
20.5000	.01	.01	.01	.01	.01
20.5625	.01	.01	.01	.01	.01
20.6250	.01	.01	.01	.01	.01
20.6875	.01	.01	.01	.01	.01
20.7500	.01	.01	.01	.01	.01
20.8125	.01	.01	.01	.01	.01
20.8750	.01	.01	.01	.01	.01
20.9375	.01	.01	.01	.01	.01
21.0000	.01	.01	.01	.01	.01
21.0625	.01	.01	.01	.01	.01
21.1250	.01	.01	.01	.01	.01
21.1875	.01	.01	.01	.01	.01
21.2500	.01	.01	.01	.01	.01
21.3125	.01	.01	.01	.01	.01
21.3750	.01	.01	.01	.01	.01
21.4375	.01	.01	.01	.01	.01
21.5000	.01	.01	.01	.01	.01
21.5625	.01	.01	.01	.01	.01
21.6250	.01	.01	.01	.01	.01
21.6875	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
21.8125	.01	.01	.01	.01	.01
21.8750	.01	.01	.01	.01	.01
21.9375	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.0625	.01	.01	.01	.01	.01
22.1250	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.1875	.01	.01	.01	.01	.01
22.2500	.01	.01	.01	.01	.01
22.3125	.01	.01	.01	.01	.01
22.3750	.01	.01	.01	.01	.01
22.4375	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.5625	.01	.01	.01	.01	.01
22.6250	.01	.01	.01	.01	.01
22.6875	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
22.8125	.01	.01	.01	.01	.01
22.8750	.01	.01	.01	.01	.01
22.9375	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.0625	.01	.01	.01	.01	.01
23.1250	.01	.01	.01	.01	.01
23.1875	.01	.01	.01	.01	.01
23.2500	.01	.00	.00	.00	.00
23.3125	.00	.00	.00	.00	.00
23.3750	.00	.00	.00	.00	.00
23.4375	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.5625	.00	.00	.00	.00	.00
23.6250	.00	.00	.00	.00	.00
23.6875	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
23.8125	.00	.00	.00	.00	.00
23.8750	.00	.00	.00	.00	.00
23.9375	.00	.00	.00	.00	.00
24.0000	.00	.00	.00	.00	.00
24.0625	.00	.00	.00	.00	.00

Name... D.A. BB Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 50
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70

=====
 Computational Time Increment = .01111 hrs
 Computed Peak Time = 12.1063 hrs
 Computed Peak Flow = .38 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1124 hrs
 Peak Flow, Interpolated Output = .38 cfs
 =====

DRAINAGE AREA

 ID:D.A. BB
 CN = 70
 Area = .100 acres
 S = 4.2857 in
 0.2S = .8571 in

Cumulative Runoff

 3.6184 in
 1313 cu.ft

HYG Volume... 1313 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .08330 hrs (ID: D.A. BB)
 Computational Incr, Tm = .01111 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 1.36 cfs
 Unit peak time Tp = .05553 hrs
 Unit receding limb, Tr = .22213 hrs
 Total unit time, Tb = .27767 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 50
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70
 Calc.Increment= .01111 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1313 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.01	.01	.01
9.8375	.01	.01	.01	.01	.01
9.9000	.01	.01	.01	.01	.01
9.9625	.01	.01	.01	.01	.01
10.0250	.01	.01	.01	.01	.01
10.0875	.01	.01	.01	.01	.01
10.1500	.01	.01	.01	.01	.01
10.2125	.01	.01	.01	.01	.01
10.2750	.01	.01	.01	.01	.01
10.3375	.01	.01	.01	.01	.01
10.4000	.01	.01	.01	.01	.01
10.4625	.01	.01	.01	.01	.01
10.5250	.01	.01	.01	.01	.01
10.5875	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.6500	.01	.01	.01	.01	.01
10.7125	.01	.01	.01	.01	.01
10.7750	.01	.01	.01	.01	.01
10.8375	.01	.01	.01	.01	.01
10.9000	.01	.01	.01	.01	.01
10.9625	.02	.02	.02	.02	.02
11.0250	.02	.02	.02	.02	.02
11.0875	.02	.02	.02	.02	.02
11.1500	.02	.02	.02	.02	.02
11.2125	.02	.02	.02	.02	.02
11.2750	.02	.02	.02	.02	.02
11.3375	.02	.03	.03	.03	.03
11.4000	.03	.03	.03	.03	.03
11.4625	.03	.03	.03	.03	.03
11.5250	.03	.03	.04	.04	.04
11.5875	.04	.04	.05	.05	.05
11.6500	.06	.06	.07	.07	.07
11.7125	.08	.08	.08	.09	.10
11.7750	.10	.10	.11	.11	.12
11.8375	.12	.13	.13	.14	.15
11.9000	.15	.16	.17	.19	.22
11.9625	.25	.28	.30	.31	.33
12.0250	.34	.35	.35	.36	.37
12.0875	.37	.38	.38	.37	.35
12.1500	.32	.29	.27	.25	.24
12.2125	.23	.22	.21	.20	.19
12.2750	.18	.18	.18	.17	.17
12.3375	.16	.16	.15	.14	.14
12.4000	.13	.13	.13	.12	.11
12.4625	.11	.10	.09	.09	.09
12.5250	.09	.08	.08	.07	.07
12.5875	.07	.06	.06	.06	.06
12.6500	.06	.06	.06	.06	.06
12.7125	.06	.06	.05	.05	.05
12.7750	.05	.05	.05	.05	.05
12.8375	.05	.05	.05	.05	.05
12.9000	.05	.05	.05	.05	.04
12.9625	.04	.04	.04	.04	.04
13.0250	.04	.04	.04	.04	.04
13.0875	.04	.04	.04	.04	.04
13.1500	.04	.04	.04	.04	.04
13.2125	.04	.04	.04	.04	.04
13.2750	.04	.04	.04	.04	.04
13.3375	.04	.04	.04	.04	.04
13.4000	.04	.04	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4625	.03	.03	.03	.03	.03
13.5250	.03	.03	.03	.03	.03
13.5875	.03	.03	.03	.03	.03
13.6500	.03	.03	.03	.03	.03
13.7125	.03	.03	.03	.03	.03
13.7750	.03	.03	.03	.03	.03
13.8375	.03	.03	.03	.03	.03
13.9000	.03	.03	.03	.03	.03
13.9625	.03	.03	.03	.03	.03
14.0250	.03	.03	.03	.03	.03
14.0875	.03	.03	.03	.03	.03
14.1500	.03	.03	.03	.03	.03
14.2125	.03	.03	.03	.03	.03
14.2750	.03	.03	.03	.03	.03
14.3375	.03	.03	.03	.03	.03
14.4000	.02	.02	.02	.02	.02
14.4625	.02	.02	.02	.02	.02
14.5250	.02	.02	.02	.02	.02
14.5875	.02	.02	.02	.02	.02
14.6500	.02	.02	.02	.02	.02
14.7125	.02	.02	.02	.02	.02
14.7750	.02	.02	.02	.02	.02
14.8375	.02	.02	.02	.02	.02
14.9000	.02	.02	.02	.02	.02
14.9625	.02	.02	.02	.02	.02
15.0250	.02	.02	.02	.02	.02
15.0875	.02	.02	.02	.02	.02
15.1500	.02	.02	.02	.02	.02
15.2125	.02	.02	.02	.02	.02
15.2750	.02	.02	.02	.02	.02
15.3375	.02	.02	.02	.02	.02
15.4000	.02	.02	.02	.02	.02
15.4625	.02	.02	.02	.02	.02
15.5250	.02	.02	.02	.02	.02
15.5875	.02	.02	.02	.02	.02
15.6500	.02	.02	.02	.02	.02
15.7125	.02	.02	.02	.02	.02
15.7750	.02	.02	.02	.02	.02
15.8375	.02	.02	.02	.02	.02
15.9000	.02	.02	.02	.02	.02
15.9625	.02	.02	.02	.02	.02
16.0250	.02	.01	.01	.01	.01
16.0875	.01	.01	.01	.01	.01
16.1500	.01	.01	.01	.01	.01
16.2125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2750	.01	.01	.01	.01	.01
16.3375	.01	.01	.01	.01	.01
16.4000	.01	.01	.01	.01	.01
16.4625	.01	.01	.01	.01	.01
16.5250	.01	.01	.01	.01	.01
16.5875	.01	.01	.01	.01	.01
16.6500	.01	.01	.01	.01	.01
16.7125	.01	.01	.01	.01	.01
16.7750	.01	.01	.01	.01	.01
16.8375	.01	.01	.01	.01	.01
16.9000	.01	.01	.01	.01	.01
16.9625	.01	.01	.01	.01	.01
17.0250	.01	.01	.01	.01	.01
17.0875	.01	.01	.01	.01	.01
17.1500	.01	.01	.01	.01	.01
17.2125	.01	.01	.01	.01	.01
17.2750	.01	.01	.01	.01	.01
17.3375	.01	.01	.01	.01	.01
17.4000	.01	.01	.01	.01	.01
17.4625	.01	.01	.01	.01	.01
17.5250	.01	.01	.01	.01	.01
17.5875	.01	.01	.01	.01	.01
17.6500	.01	.01	.01	.01	.01
17.7125	.01	.01	.01	.01	.01
17.7750	.01	.01	.01	.01	.01
17.8375	.01	.01	.01	.01	.01
17.9000	.01	.01	.01	.01	.01
17.9625	.01	.01	.01	.01	.01
18.0250	.01	.01	.01	.01	.01
18.0875	.01	.01	.01	.01	.01
18.1500	.01	.01	.01	.01	.01
18.2125	.01	.01	.01	.01	.01
18.2750	.01	.01	.01	.01	.01
18.3375	.01	.01	.01	.01	.01
18.4000	.01	.01	.01	.01	.01
18.4625	.01	.01	.01	.01	.01
18.5250	.01	.01	.01	.01	.01
18.5875	.01	.01	.01	.01	.01
18.6500	.01	.01	.01	.01	.01
18.7125	.01	.01	.01	.01	.01
18.7750	.01	.01	.01	.01	.01
18.8375	.01	.01	.01	.01	.01
18.9000	.01	.01	.01	.01	.01
18.9625	.01	.01	.01	.01	.01
19.0250	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0875	.01	.01	.01	.01	.01
19.1500	.01	.01	.01	.01	.01
19.2125	.01	.01	.01	.01	.01
19.2750	.01	.01	.01	.01	.01
19.3375	.01	.01	.01	.01	.01
19.4000	.01	.01	.01	.01	.01
19.4625	.01	.01	.01	.01	.01
19.5250	.01	.01	.01	.01	.01
19.5875	.01	.01	.01	.01	.01
19.6500	.01	.01	.01	.01	.01
19.7125	.01	.01	.01	.01	.01
19.7750	.01	.01	.01	.01	.01
19.8375	.01	.01	.01	.01	.01
19.9000	.01	.01	.01	.01	.01
19.9625	.01	.01	.01	.01	.01
20.0250	.01	.01	.01	.01	.01
20.0875	.01	.01	.01	.01	.01
20.1500	.01	.01	.01	.01	.01
20.2125	.01	.01	.01	.01	.01
20.2750	.01	.01	.01	.01	.01
20.3375	.01	.01	.01	.01	.01
20.4000	.01	.01	.01	.01	.01
20.4625	.01	.01	.01	.01	.01
20.5250	.01	.01	.01	.01	.01
20.5875	.01	.01	.01	.01	.01
20.6500	.01	.01	.01	.01	.01
20.7125	.01	.01	.01	.01	.01
20.7750	.01	.01	.01	.01	.01
20.8375	.01	.01	.01	.01	.01
20.9000	.01	.01	.01	.01	.01
20.9625	.01	.01	.01	.01	.01
21.0250	.01	.01	.01	.01	.01
21.0875	.01	.01	.01	.01	.01
21.1500	.01	.01	.01	.01	.01
21.2125	.01	.01	.01	.01	.01
21.2750	.01	.01	.01	.01	.01
21.3375	.01	.01	.01	.01	.01
21.4000	.01	.01	.01	.01	.01
21.4625	.01	.01	.01	.01	.01
21.5250	.01	.01	.01	.01	.01
21.5875	.01	.01	.01	.01	.01
21.6500	.01	.01	.01	.01	.01
21.7125	.01	.01	.01	.01	.01
21.7750	.01	.01	.01	.01	.01
21.8375	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9000	.01	.01	.01	.01	.01
21.9625	.01	.01	.01	.01	.01
22.0250	.01	.01	.01	.01	.01
22.0875	.01	.01	.01	.01	.01
22.1500	.01	.01	.01	.01	.01
22.2125	.01	.01	.01	.01	.01
22.2750	.01	.01	.01	.01	.01
22.3375	.01	.01	.01	.01	.01
22.4000	.01	.01	.01	.01	.01
22.4625	.01	.01	.01	.01	.01
22.5250	.01	.01	.01	.01	.01
22.5875	.01	.01	.01	.01	.01
22.6500	.01	.01	.01	.01	.01
22.7125	.01	.01	.01	.01	.01
22.7750	.01	.01	.01	.01	.01
22.8375	.01	.01	.01	.01	.01
22.9000	.01	.01	.01	.01	.01
22.9625	.01	.01	.01	.01	.01
23.0250	.01	.01	.01	.01	.01
23.0875	.01	.01	.01	.01	.01
23.1500	.01	.01	.01	.01	.01
23.2125	.01	.01	.01	.01	.01
23.2750	.01	.01	.01	.01	.01
23.3375	.01	.01	.01	.01	.01
23.4000	.01	.01	.01	.01	.01
23.4625	.01	.01	.01	.01	.01
23.5250	.01	.01	.01	.01	.01
23.5875	.01	.01	.01	.01	.01
23.6500	.01	.01	.01	.01	.01
23.7125	.01	.01	.01	.01	.01
23.7750	.01	.01	.01	.01	.01
23.8375	.01	.01	.01	.01	.01
23.9000	.01	.01	.01	.01	.01
23.9625	.01	.01	.01	.01	.01
24.0250	.00	.00	.00	.00	.00
24.0875	.00	.00	.00	.00	.00

Name... D.A. BB Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. BB 100

Tc (Min. Tc) = .0833 hrs

Drainage Area = .100 acres Runoff CN= 70

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=====
Computational Time Increment = .01111 hrs
Computed Peak Time          = 12.1063 hrs
Computed Peak Flow          = .42 cfs

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Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.0999 hrs
Peak Flow, Interpolated Output = .42 cfs
=====

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DRAINAGE AREA

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ID:D.A. BB
CN = 70
Area = .100 acres
S = 4.2857 in
0.2S = .8571 in

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Cumulative Runoff

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4.0378 in
1466 cu.ft

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HYG Volume... 1465 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .08330 hrs (ID: D.A. BB)
Computational Incr, Tm = .01111 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 1.36 cfs
Unit peak time Tp = .05553 hrs
Unit receding limb, Tr = .22213 hrs
Total unit time, Tb = .27767 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. BB 100
 Tc (Min. Tc) = .0833 hrs
 Drainage Area = .100 acres Runoff CN= 70
 Calc.Increment= .01111 hrs Out.Incr.= .0125 hrs
 HYG Volume = 1465 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.5125	.00	.00	.00	.00	.00
8.5750	.00	.00	.00	.00	.00
8.6375	.00	.00	.00	.00	.00
8.7000	.00	.00	.00	.00	.00
8.7625	.00	.00	.00	.00	.00
8.8250	.00	.00	.00	.00	.00
8.8875	.00	.00	.00	.00	.00
8.9500	.00	.00	.00	.00	.00
9.0125	.00	.00	.00	.00	.00
9.0750	.00	.00	.00	.00	.00
9.1375	.00	.00	.00	.00	.00
9.2000	.00	.00	.00	.00	.00
9.2625	.00	.00	.00	.00	.00
9.3250	.00	.00	.00	.00	.00
9.3875	.00	.00	.00	.00	.00
9.4500	.00	.00	.00	.00	.00
9.5125	.00	.00	.01	.01	.01
9.5750	.01	.01	.01	.01	.01
9.6375	.01	.01	.01	.01	.01
9.7000	.01	.01	.01	.01	.01
9.7625	.01	.01	.01	.01	.01
9.8250	.01	.01	.01	.01	.01
9.8875	.01	.01	.01	.01	.01
9.9500	.01	.01	.01	.01	.01
10.0125	.01	.01	.01	.01	.01
10.0750	.01	.01	.01	.01	.01
10.1375	.01	.01	.01	.01	.01
10.2000	.01	.01	.01	.01	.01
10.2625	.01	.01	.01	.01	.01
10.3250	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.3875	.01	.01	.01	.01	.01
10.4500	.01	.01	.01	.01	.01
10.5125	.01	.01	.01	.01	.01
10.5750	.01	.01	.01	.01	.01
10.6375	.01	.01	.01	.01	.01
10.7000	.01	.01	.01	.01	.02
10.7625	.02	.02	.02	.02	.02
10.8250	.02	.02	.02	.02	.02
10.8875	.02	.02	.02	.02	.02
10.9500	.02	.02	.02	.02	.02
11.0125	.02	.02	.02	.02	.02
11.0750	.02	.02	.02	.02	.02
11.1375	.02	.02	.02	.02	.02
11.2000	.02	.02	.02	.02	.03
11.2625	.03	.03	.03	.03	.03
11.3250	.03	.03	.03	.03	.03
11.3875	.03	.03	.03	.03	.03
11.4500	.03	.03	.03	.04	.04
11.5125	.04	.04	.04	.04	.05
11.5750	.05	.05	.05	.05	.06
11.6375	.06	.07	.07	.08	.08
11.7000	.08	.09	.09	.10	.10
11.7625	.11	.11	.12	.12	.13
11.8250	.13	.14	.15	.15	.16
11.8875	.17	.17	.18	.19	.22
11.9500	.25	.28	.31	.34	.35
12.0125	.37	.38	.39	.40	.40
12.0750	.41	.41	.42	.42	.41
12.1375	.39	.36	.32	.29	.27
12.2000	.26	.25	.24	.23	.22
12.2625	.21	.20	.20	.20	.19
12.3250	.19	.18	.17	.16	.16
12.3875	.15	.15	.15	.14	.13
12.4500	.12	.12	.11	.10	.10
12.5125	.10	.09	.09	.08	.08
12.5750	.08	.07	.07	.07	.07
12.6375	.07	.06	.06	.06	.06
12.7000	.06	.06	.06	.06	.06
12.7625	.06	.06	.06	.06	.06
12.8250	.06	.05	.05	.05	.05
12.8875	.05	.05	.05	.05	.05
12.9500	.05	.05	.05	.05	.05
13.0125	.05	.05	.05	.04	.04
13.0750	.04	.04	.04	.04	.04
13.1375	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.2000	.04	.04	.04	.04	.04
13.2625	.04	.04	.04	.04	.04
13.3250	.04	.04	.04	.04	.04
13.3875	.04	.04	.04	.04	.04
13.4500	.04	.04	.04	.04	.04
13.5125	.04	.04	.04	.04	.04
13.5750	.04	.04	.04	.04	.04
13.6375	.04	.04	.03	.03	.03
13.7000	.03	.03	.03	.03	.03
13.7625	.03	.03	.03	.03	.03
13.8250	.03	.03	.03	.03	.03
13.8875	.03	.03	.03	.03	.03
13.9500	.03	.03	.03	.03	.03
14.0125	.03	.03	.03	.03	.03
14.0750	.03	.03	.03	.03	.03
14.1375	.03	.03	.03	.03	.03
14.2000	.03	.03	.03	.03	.03
14.2625	.03	.03	.03	.03	.03
14.3250	.03	.03	.03	.03	.03
14.3875	.03	.03	.03	.03	.03
14.4500	.03	.03	.03	.03	.03
14.5125	.03	.03	.03	.03	.03
14.5750	.03	.03	.03	.03	.03
14.6375	.03	.03	.03	.03	.03
14.7000	.03	.03	.03	.03	.03
14.7625	.02	.02	.02	.02	.02
14.8250	.02	.02	.02	.02	.02
14.8875	.02	.02	.02	.02	.02
14.9500	.02	.02	.02	.02	.02
15.0125	.02	.02	.02	.02	.02
15.0750	.02	.02	.02	.02	.02
15.1375	.02	.02	.02	.02	.02
15.2000	.02	.02	.02	.02	.02
15.2625	.02	.02	.02	.02	.02
15.3250	.02	.02	.02	.02	.02
15.3875	.02	.02	.02	.02	.02
15.4500	.02	.02	.02	.02	.02
15.5125	.02	.02	.02	.02	.02
15.5750	.02	.02	.02	.02	.02
15.6375	.02	.02	.02	.02	.02
15.7000	.02	.02	.02	.02	.02
15.7625	.02	.02	.02	.02	.02
15.8250	.02	.02	.02	.02	.02
15.8875	.02	.02	.02	.02	.02
15.9500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.0125	.02	.02	.02	.02	.02
16.0750	.02	.02	.02	.02	.02
16.1375	.02	.02	.02	.02	.02
16.2000	.02	.02	.02	.02	.02
16.2625	.02	.02	.02	.02	.02
16.3250	.02	.02	.02	.02	.02
16.3875	.02	.02	.02	.02	.02
16.4500	.01	.01	.01	.01	.01
16.5125	.01	.01	.01	.01	.01
16.5750	.01	.01	.01	.01	.01
16.6375	.01	.01	.01	.01	.01
16.7000	.01	.01	.01	.01	.01
16.7625	.01	.01	.01	.01	.01
16.8250	.01	.01	.01	.01	.01
16.8875	.01	.01	.01	.01	.01
16.9500	.01	.01	.01	.01	.01
17.0125	.01	.01	.01	.01	.01
17.0750	.01	.01	.01	.01	.01
17.1375	.01	.01	.01	.01	.01
17.2000	.01	.01	.01	.01	.01
17.2625	.01	.01	.01	.01	.01
17.3250	.01	.01	.01	.01	.01
17.3875	.01	.01	.01	.01	.01
17.4500	.01	.01	.01	.01	.01
17.5125	.01	.01	.01	.01	.01
17.5750	.01	.01	.01	.01	.01
17.6375	.01	.01	.01	.01	.01
17.7000	.01	.01	.01	.01	.01
17.7625	.01	.01	.01	.01	.01
17.8250	.01	.01	.01	.01	.01
17.8875	.01	.01	.01	.01	.01
17.9500	.01	.01	.01	.01	.01
18.0125	.01	.01	.01	.01	.01
18.0750	.01	.01	.01	.01	.01
18.1375	.01	.01	.01	.01	.01
18.2000	.01	.01	.01	.01	.01
18.2625	.01	.01	.01	.01	.01
18.3250	.01	.01	.01	.01	.01
18.3875	.01	.01	.01	.01	.01
18.4500	.01	.01	.01	.01	.01
18.5125	.01	.01	.01	.01	.01
18.5750	.01	.01	.01	.01	.01
18.6375	.01	.01	.01	.01	.01
18.7000	.01	.01	.01	.01	.01
18.7625	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.8250	.01	.01	.01	.01	.01
18.8875	.01	.01	.01	.01	.01
18.9500	.01	.01	.01	.01	.01
19.0125	.01	.01	.01	.01	.01
19.0750	.01	.01	.01	.01	.01
19.1375	.01	.01	.01	.01	.01
19.2000	.01	.01	.01	.01	.01
19.2625	.01	.01	.01	.01	.01
19.3250	.01	.01	.01	.01	.01
19.3875	.01	.01	.01	.01	.01
19.4500	.01	.01	.01	.01	.01
19.5125	.01	.01	.01	.01	.01
19.5750	.01	.01	.01	.01	.01
19.6375	.01	.01	.01	.01	.01
19.7000	.01	.01	.01	.01	.01
19.7625	.01	.01	.01	.01	.01
19.8250	.01	.01	.01	.01	.01
19.8875	.01	.01	.01	.01	.01
19.9500	.01	.01	.01	.01	.01
20.0125	.01	.01	.01	.01	.01
20.0750	.01	.01	.01	.01	.01
20.1375	.01	.01	.01	.01	.01
20.2000	.01	.01	.01	.01	.01
20.2625	.01	.01	.01	.01	.01
20.3250	.01	.01	.01	.01	.01
20.3875	.01	.01	.01	.01	.01
20.4500	.01	.01	.01	.01	.01
20.5125	.01	.01	.01	.01	.01
20.5750	.01	.01	.01	.01	.01
20.6375	.01	.01	.01	.01	.01
20.7000	.01	.01	.01	.01	.01
20.7625	.01	.01	.01	.01	.01
20.8250	.01	.01	.01	.01	.01
20.8875	.01	.01	.01	.01	.01
20.9500	.01	.01	.01	.01	.01
21.0125	.01	.01	.01	.01	.01
21.0750	.01	.01	.01	.01	.01
21.1375	.01	.01	.01	.01	.01
21.2000	.01	.01	.01	.01	.01
21.2625	.01	.01	.01	.01	.01
21.3250	.01	.01	.01	.01	.01
21.3875	.01	.01	.01	.01	.01
21.4500	.01	.01	.01	.01	.01
21.5125	.01	.01	.01	.01	.01
21.5750	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6375	.01	.01	.01	.01	.01
21.7000	.01	.01	.01	.01	.01
21.7625	.01	.01	.01	.01	.01
21.8250	.01	.01	.01	.01	.01
21.8875	.01	.01	.01	.01	.01
21.9500	.01	.01	.01	.01	.01
22.0125	.01	.01	.01	.01	.01
22.0750	.01	.01	.01	.01	.01
22.1375	.01	.01	.01	.01	.01
22.2000	.01	.01	.01	.01	.01
22.2625	.01	.01	.01	.01	.01
22.3250	.01	.01	.01	.01	.01
22.3875	.01	.01	.01	.01	.01
22.4500	.01	.01	.01	.01	.01
22.5125	.01	.01	.01	.01	.01
22.5750	.01	.01	.01	.01	.01
22.6375	.01	.01	.01	.01	.01
22.7000	.01	.01	.01	.01	.01
22.7625	.01	.01	.01	.01	.01
22.8250	.01	.01	.01	.01	.01
22.8875	.01	.01	.01	.01	.01
22.9500	.01	.01	.01	.01	.01
23.0125	.01	.01	.01	.01	.01
23.0750	.01	.01	.01	.01	.01
23.1375	.01	.01	.01	.01	.01
23.2000	.01	.01	.01	.01	.01
23.2625	.01	.01	.01	.01	.01
23.3250	.01	.01	.01	.01	.01
23.3875	.01	.01	.01	.01	.01
23.4500	.01	.01	.01	.01	.01
23.5125	.01	.01	.01	.01	.01
23.5750	.01	.01	.01	.01	.01
23.6375	.01	.01	.01	.01	.01
23.7000	.01	.01	.01	.01	.01
23.7625	.01	.01	.01	.01	.01
23.8250	.01	.01	.01	.01	.01
23.8875	.01	.01	.01	.01	.01
23.9500	.01	.01	.01	.01	.01
24.0125	.01	.01	.00	.00	.00
24.0750	.00	.00	.00		

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .010000 ft/ft

Avg.Velocity .06 ft/sec

Segment #1 Time: .4516 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 287.00 ft
Slope .015000 ft/ft
Unpaved

Avg.Velocity 1.98 ft/sec

Segment #2 Time: .0403 hrs

Segment #3: Tc: User Defined

Segment #3 Time: .5100 hrs

=====
Total Tc: 1.0019 hrs
=====

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. CC-1

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	73	7.300			73.00

COMPOSITE AREA & WEIGHTED CN ---> 7.300 73.00 (73)
.....

Name... D.A. CC-1 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-1 2

Tc = 1.0019 hrs

Drainage Area = 7.300 acres Runoff CN= 73

=====
Computational Time Increment = .13359 hrs
Computed Peak Time = 12.6907 hrs
Computed Peak Flow = 3.73 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.6999 hrs
Peak Flow, Interpolated Output = 3.73 cfs
=====

DRAINAGE AREA

ID:D.A. CC-1
CN = 73
Area = 7.300 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

1.1796 in
31259 cu.ft

HYG Volume... 31258 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.00190 hrs (ID: D.A. CC-1)
Computational Incr, Tm = .13359 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 8.26 cfs
Unit peak time Tp = .66793 hrs
Unit receding limb, Tr = 2.67174 hrs
Total unit time, Tb = 3.33967 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-1 2
 Tc = 1.0019 hrs
 Drainage Area = 7.300 acres Runoff CN= 73
 Calc.Increment= .13359 hrs Out.Incr.= .0125 hrs
 HYG Volume = 31258 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.01	.01	.01	.01
10.9000	.01	.01	.01	.01	.01
10.9625	.01	.01	.01	.01	.01
11.0250	.02	.02	.02	.02	.02
11.0875	.02	.02	.02	.03	.03
11.1500	.03	.03	.03	.03	.03
11.2125	.04	.04	.04	.04	.04
11.2750	.05	.05	.05	.05	.05
11.3375	.06	.06	.06	.06	.07
11.4000	.07	.07	.07	.08	.08
11.4625	.08	.09	.09	.09	.10
11.5250	.10	.10	.11	.11	.12
11.5875	.12	.12	.13	.13	.14
11.6500	.15	.15	.16	.17	.17
11.7125	.18	.19	.19	.20	.21
11.7750	.22	.24	.25	.26	.27
11.8375	.28	.30	.31	.32	.33
11.9000	.36	.39	.41	.44	.47
11.9625	.49	.52	.55	.58	.60
12.0250	.63	.68	.73	.78	.83
12.0875	.88	.93	.98	1.03	1.08
12.1500	1.13	1.19	1.26	1.33	1.40
12.2125	1.48	1.55	1.62	1.69	1.77
12.2750	1.84	1.91	1.99	2.07	2.15
12.3375	2.23	2.31	2.39	2.47	2.55
12.4000	2.63	2.71	2.78	2.85	2.91
12.4625	2.97	3.03	3.09	3.15	3.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.5250	3.27	3.33	3.39	3.44	3.47
12.5875	3.49	3.52	3.55	3.58	3.61
12.6500	3.64	3.66	3.69	3.72	3.73
12.7125	3.72	3.72	3.71	3.71	3.71
12.7750	3.70	3.70	3.69	3.69	3.69
12.8375	3.66	3.63	3.60	3.57	3.54
12.9000	3.51	3.48	3.45	3.42	3.39
12.9625	3.36	3.32	3.28	3.24	3.20
13.0250	3.16	3.12	3.07	3.03	2.99
13.0875	2.95	2.91	2.87	2.83	2.79
13.1500	2.75	2.71	2.67	2.63	2.59
13.2125	2.55	2.51	2.48	2.45	2.41
13.2750	2.38	2.34	2.31	2.28	2.24
13.3375	2.21	2.18	2.14	2.12	2.09
13.4000	2.06	2.03	2.01	1.98	1.95
13.4625	1.92	1.90	1.87	1.85	1.82
13.5250	1.80	1.78	1.76	1.74	1.72
13.5875	1.70	1.67	1.65	1.63	1.61
13.6500	1.60	1.58	1.56	1.54	1.53
13.7125	1.51	1.49	1.48	1.46	1.44
13.7750	1.43	1.42	1.40	1.39	1.38
13.8375	1.36	1.35	1.34	1.32	1.31
13.9000	1.30	1.28	1.27	1.26	1.25
13.9625	1.24	1.23	1.22	1.21	1.20
14.0250	1.19	1.18	1.17	1.16	1.15
14.0875	1.14	1.13	1.13	1.12	1.11
14.1500	1.10	1.09	1.08	1.08	1.07
14.2125	1.06	1.05	1.05	1.04	1.03
14.2750	1.02	1.02	1.01	1.00	1.00
14.3375	.99	.98	.98	.97	.97
14.4000	.96	.95	.95	.94	.94
14.4625	.93	.92	.92	.91	.91
14.5250	.90	.90	.89	.89	.88
14.5875	.88	.87	.87	.87	.86
14.6500	.86	.85	.85	.84	.84
14.7125	.83	.83	.83	.82	.82
14.7750	.82	.81	.81	.80	.80
14.8375	.80	.79	.79	.79	.78
14.9000	.78	.78	.77	.77	.77
14.9625	.76	.76	.76	.75	.75
15.0250	.75	.74	.74	.74	.74
15.0875	.73	.73	.73	.72	.72
15.1500	.72	.71	.71	.71	.71
15.2125	.70	.70	.70	.70	.69
15.2750	.69	.69	.68	.68	.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.3375	.68	.67	.67	.67	.67
15.4000	.66	.66	.66	.66	.66
15.4625	.65	.65	.65	.65	.64
15.5250	.64	.64	.64	.63	.63
15.5875	.63	.63	.63	.62	.62
15.6500	.62	.62	.61	.61	.61
15.7125	.61	.61	.60	.60	.60
15.7750	.60	.59	.59	.59	.59
15.8375	.59	.58	.58	.58	.58
15.9000	.58	.57	.57	.57	.57
15.9625	.56	.56	.56	.56	.56
16.0250	.55	.55	.55	.55	.55
16.0875	.54	.54	.54	.54	.53
16.1500	.53	.53	.53	.53	.52
16.2125	.52	.52	.52	.52	.51
16.2750	.51	.51	.51	.51	.50
16.3375	.50	.50	.50	.50	.49
16.4000	.49	.49	.49	.49	.48
16.4625	.48	.48	.48	.48	.47
16.5250	.47	.47	.47	.47	.47
16.5875	.46	.46	.46	.46	.46
16.6500	.46	.45	.45	.45	.45
16.7125	.45	.45	.44	.44	.44
16.7750	.44	.44	.44	.44	.43
16.8375	.43	.43	.43	.43	.43
16.9000	.43	.42	.42	.42	.42
16.9625	.42	.42	.42	.42	.41
17.0250	.41	.41	.41	.41	.41
17.0875	.41	.41	.40	.40	.40
17.1500	.40	.40	.40	.40	.40
17.2125	.40	.39	.39	.39	.39
17.2750	.39	.39	.39	.39	.39
17.3375	.38	.38	.38	.38	.38
17.4000	.38	.38	.38	.38	.37
17.4625	.37	.37	.37	.37	.37
17.5250	.37	.37	.37	.36	.36
17.5875	.36	.36	.36	.36	.36
17.6500	.36	.36	.36	.35	.35
17.7125	.35	.35	.35	.35	.35
17.7750	.35	.35	.35	.34	.34
17.8375	.34	.34	.34	.34	.34
17.9000	.34	.34	.34	.33	.33
17.9625	.33	.33	.33	.33	.33
18.0250	.33	.33	.33	.32	.32
18.0875	.32	.32	.32	.32	.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.1500	.32	.32	.32	.31	.31
18.2125	.31	.31	.31	.31	.31
18.2750	.31	.31	.31	.30	.30
18.3375	.30	.30	.30	.30	.30
18.4000	.30	.30	.30	.30	.30
18.4625	.29	.29	.29	.29	.29
18.5250	.29	.29	.29	.29	.29
18.5875	.29	.29	.28	.28	.28
18.6500	.28	.28	.28	.28	.28
18.7125	.28	.28	.28	.28	.28
18.7750	.28	.28	.28	.27	.27
18.8375	.27	.27	.27	.27	.27
18.9000	.27	.27	.27	.27	.27
18.9625	.27	.27	.27	.27	.27
19.0250	.27	.27	.27	.26	.26
19.0875	.26	.26	.26	.26	.26
19.1500	.26	.26	.26	.26	.26
19.2125	.26	.26	.26	.26	.26
19.2750	.26	.26	.26	.26	.26
19.3375	.26	.26	.26	.25	.25
19.4000	.25	.25	.25	.25	.25
19.4625	.25	.25	.25	.25	.25
19.5250	.25	.25	.25	.25	.25
19.5875	.25	.25	.25	.25	.25
19.6500	.25	.25	.25	.25	.25
19.7125	.25	.25	.25	.24	.24
19.7750	.24	.24	.24	.24	.24
19.8375	.24	.24	.24	.24	.24
19.9000	.24	.24	.24	.24	.24
19.9625	.24	.24	.24	.24	.24
20.0250	.24	.24	.24	.24	.24
20.0875	.24	.24	.24	.24	.24
20.1500	.24	.23	.23	.23	.23
20.2125	.23	.23	.23	.23	.23
20.2750	.23	.23	.23	.23	.23
20.3375	.23	.23	.23	.23	.23
20.4000	.23	.23	.23	.23	.23
20.4625	.23	.23	.23	.23	.23
20.5250	.23	.23	.23	.23	.23
20.5875	.23	.22	.22	.22	.22
20.6500	.22	.22	.22	.22	.22
20.7125	.22	.22	.22	.22	.22
20.7750	.22	.22	.22	.22	.22
20.8375	.22	.22	.22	.22	.22
20.9000	.22	.22	.22	.22	.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.9625	.22	.22	.22	.22	.22
21.0250	.22	.22	.22	.22	.22
21.0875	.22	.21	.21	.21	.21
21.1500	.21	.21	.21	.21	.21
21.2125	.21	.21	.21	.21	.21
21.2750	.21	.21	.21	.21	.21
21.3375	.21	.21	.21	.21	.21
21.4000	.21	.21	.21	.21	.21
21.4625	.21	.21	.21	.21	.21
21.5250	.21	.21	.21	.21	.21
21.5875	.21	.21	.21	.21	.21
21.6500	.20	.20	.20	.20	.20
21.7125	.20	.20	.20	.20	.20
21.7750	.20	.20	.20	.20	.20
21.8375	.20	.20	.20	.20	.20
21.9000	.20	.20	.20	.20	.20
21.9625	.20	.20	.20	.20	.20
22.0250	.20	.20	.20	.20	.20
22.0875	.20	.20	.20	.20	.20
22.1500	.20	.20	.20	.20	.19
22.2125	.19	.19	.19	.19	.19
22.2750	.19	.19	.19	.19	.19
22.3375	.19	.19	.19	.19	.19
22.4000	.19	.19	.19	.19	.19
22.4625	.19	.19	.19	.19	.19
22.5250	.19	.19	.19	.19	.19
22.5875	.19	.19	.19	.19	.19
22.6500	.19	.19	.19	.19	.19
22.7125	.19	.19	.19	.18	.18
22.7750	.18	.18	.18	.18	.18
22.8375	.18	.18	.18	.18	.18
22.9000	.18	.18	.18	.18	.18
22.9625	.18	.18	.18	.18	.18
23.0250	.18	.18	.18	.18	.18
23.0875	.18	.18	.18	.18	.18
23.1500	.18	.18	.18	.18	.18
23.2125	.18	.18	.18	.18	.18
23.2750	.18	.18	.17	.17	.17
23.3375	.17	.17	.17	.17	.17
23.4000	.17	.17	.17	.17	.17
23.4625	.17	.17	.17	.17	.17
23.5250	.17	.17	.17	.17	.17
23.5875	.17	.17	.17	.17	.17
23.6500	.17	.17	.17	.17	.17
23.7125	.17	.17	.17	.17	.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.7750	.17	.17	.17	.17	.17
23.8375	.17	.16	.16	.16	.16
23.9000	.16	.16	.16	.16	.16
23.9625	.16	.16	.16	.16	.16
24.0250	.16	.16	.16	.16	.16
24.0875	.16	.16	.16	.16	.16
24.1500	.16	.15	.15	.15	.15
24.2125	.15	.15	.15	.15	.15
24.2750	.15	.14	.14	.14	.14
24.3375	.14	.14	.14	.13	.13
24.4000	.13	.13	.13	.12	.12
24.4625	.12	.12	.12	.11	.11
24.5250	.11	.11	.11	.10	.10
24.5875	.10	.10	.10	.09	.09
24.6500	.09	.09	.08	.08	.08
24.7125	.08	.08	.07	.07	.07
24.7750	.07	.07	.06	.06	.06
24.8375	.06	.06	.06	.05	.05
24.9000	.05	.05	.05	.05	.04
24.9625	.04	.04	.04	.04	.04
25.0250	.04	.04	.03	.03	.03
25.0875	.03	.03	.03	.03	.03
25.1500	.03	.03	.03	.02	.02
25.2125	.02	.02	.02	.02	.02
25.2750	.02	.02	.02	.02	.02
25.3375	.02	.02	.02	.02	.02
25.4000	.01	.01	.01	.01	.01
25.4625	.01	.01	.01	.01	.01
25.5250	.01	.01	.01	.01	.01
25.5875	.01	.01	.01	.01	.01
25.6500	.01	.01	.01	.01	.01
25.7125	.01	.01	.01	.01	.01
25.7750	.01	.01	.01	.01	.01
25.8375	.00	.00	.00	.00	.00
25.9000	.00	.00	.00	.00	.00
25.9625	.00	.00	.00	.00	.00
26.0250	.00	.00	.00	.00	.00
26.0875	.00	.00	.00	.00	.00
26.1500	.00	.00	.00	.00	.00
26.2125	.00	.00	.00	.00	.00
26.2750	.00	.00	.00	.00	.00
26.3375	.00	.00	.00	.00	.00
26.4000	.00	.00	.00	.00	.00

Name... D.A. CC-1 Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
Duration = 24.0000 hrs Rain Depth = 5.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-1 10
Tc = 1.0019 hrs
Drainage Area = 7.300 acres Runoff CN= 73

Computational Time Increment = .13359 hrs
Computed Peak Time = 12.6907 hrs
Computed Peak Flow = 8.93 cfs
Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.6874 hrs
Peak Flow, Interpolated Output = 8.92 cfs

DRAINAGE AREA

ID:D.A. CC-1
CN = 73
Area = 7.300 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

2.6789 in
70987 cu.ft

HYG Volume... 70986 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.00190 hrs (ID: D.A. CC-1)
Computational Incr, Tm = .13359 hrs = 0.20000 Tp
Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)
Unit peak, qp = 8.26 cfs
Unit peak time Tp = .66793 hrs
Unit receding limb, Tr = 2.67174 hrs
Total unit time, Tb = 3.33967 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-1 10
 Tc = 1.0019 hrs
 Drainage Area = 7.300 acres Runoff CN= 73
 Calc.Increment= .13359 hrs Out.Incr.= .0125 hrs
 HYG Volume = 70986 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
8.9500	.00	.00	.00	.00	.00
9.0125	.00	.00	.00	.00	.00
9.0750	.00	.00	.00	.00	.00
9.1375	.01	.01	.01	.01	.01
9.2000	.01	.01	.01	.01	.01
9.2625	.01	.01	.01	.01	.01
9.3250	.01	.02	.02	.02	.02
9.3875	.02	.02	.02	.02	.02
9.4500	.02	.03	.03	.03	.03
9.5125	.03	.03	.03	.04	.04
9.5750	.04	.04	.04	.04	.04
9.6375	.05	.05	.05	.05	.05
9.7000	.05	.06	.06	.06	.06
9.7625	.06	.07	.07	.07	.07
9.8250	.07	.08	.08	.08	.08
9.8875	.08	.09	.09	.09	.09
9.9500	.10	.10	.10	.10	.10
10.0125	.11	.11	.11	.11	.12
10.0750	.12	.12	.12	.13	.13
10.1375	.13	.13	.14	.14	.14
10.2000	.15	.15	.15	.15	.16
10.2625	.16	.16	.17	.17	.17
10.3250	.18	.18	.18	.18	.19
10.3875	.19	.19	.20	.20	.20
10.4500	.21	.21	.21	.22	.22
10.5125	.23	.23	.23	.24	.24
10.5750	.24	.25	.25	.26	.26
10.6375	.26	.27	.27	.28	.28
10.7000	.28	.29	.29	.30	.30
10.7625	.31	.31	.31	.32	.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.8250	.33	.33	.34	.34	.35
10.8875	.35	.36	.36	.37	.37
10.9500	.38	.38	.39	.39	.40
11.0125	.40	.41	.42	.42	.43
11.0750	.43	.44	.44	.45	.46
11.1375	.46	.47	.47	.48	.49
11.2000	.49	.50	.51	.51	.52
11.2625	.53	.53	.54	.55	.56
11.3250	.56	.57	.58	.59	.60
11.3875	.60	.61	.62	.63	.64
11.4500	.65	.66	.67	.68	.69
11.5125	.70	.71	.73	.74	.75
11.5750	.76	.78	.79	.80	.82
11.6375	.84	.86	.88	.90	.92
11.7000	.94	.96	.98	.99	1.01
11.7625	1.04	1.08	1.11	1.15	1.19
11.8250	1.22	1.26	1.29	1.33	1.36
11.8875	1.40	1.47	1.54	1.61	1.68
11.9500	1.75	1.82	1.90	1.97	2.04
12.0125	2.11	2.19	2.31	2.44	2.56
12.0750	2.68	2.80	2.92	3.04	3.17
12.1375	3.29	3.41	3.56	3.72	3.89
12.2000	4.06	4.23	4.40	4.57	4.74
12.2625	4.91	5.08	5.25	5.42	5.60
12.3250	5.77	5.95	6.13	6.30	6.48
12.3875	6.65	6.83	7.00	7.17	7.29
12.4500	7.42	7.54	7.66	7.78	7.90
12.5125	8.03	8.15	8.27	8.39	8.48
12.5750	8.53	8.57	8.61	8.66	8.70
12.6375	8.74	8.79	8.83	8.88	8.92
12.7000	8.91	8.88	8.85	8.82	8.79
12.7625	8.77	8.74	8.71	8.68	8.65
12.8250	8.62	8.54	8.45	8.37	8.29
12.8875	8.20	8.12	8.04	7.96	7.87
12.9500	7.79	7.70	7.59	7.49	7.39
13.0125	7.28	7.18	7.08	6.97	6.87
13.0750	6.76	6.66	6.56	6.46	6.37
13.1375	6.27	6.17	6.07	5.98	5.88
13.2000	5.78	5.69	5.59	5.51	5.43
13.2625	5.35	5.27	5.18	5.10	5.02
13.3250	4.94	4.86	4.78	4.71	4.64
13.3875	4.58	4.51	4.45	4.38	4.32
13.4500	4.25	4.19	4.12	4.06	4.00
13.5125	3.95	3.90	3.85	3.80	3.75
13.5750	3.70	3.65	3.60	3.55	3.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.6375	3.46	3.42	3.38	3.34	3.30
13.7000	3.26	3.22	3.18	3.14	3.10
13.7625	3.06	3.03	3.00	2.97	2.94
13.8250	2.90	2.87	2.84	2.81	2.78
13.8875	2.75	2.72	2.70	2.67	2.65
13.9500	2.62	2.60	2.57	2.55	2.52
14.0125	2.50	2.47	2.45	2.43	2.41
14.0750	2.39	2.37	2.35	2.33	2.31
14.1375	2.29	2.27	2.25	2.23	2.22
14.2000	2.20	2.18	2.17	2.15	2.13
14.2625	2.12	2.10	2.08	2.07	2.05
14.3250	2.04	2.03	2.01	2.00	1.98
14.3875	1.97	1.96	1.94	1.93	1.91
14.4500	1.90	1.89	1.88	1.87	1.86
14.5125	1.84	1.83	1.82	1.81	1.80
14.5750	1.79	1.78	1.77	1.76	1.75
14.6375	1.74	1.73	1.72	1.71	1.70
14.7000	1.69	1.68	1.67	1.66	1.66
14.7625	1.65	1.64	1.63	1.62	1.61
14.8250	1.61	1.60	1.59	1.58	1.58
14.8875	1.57	1.56	1.55	1.55	1.54
14.9500	1.53	1.52	1.52	1.51	1.50
15.0125	1.50	1.49	1.48	1.48	1.47
15.0750	1.46	1.46	1.45	1.44	1.44
15.1375	1.43	1.43	1.42	1.41	1.41
15.2000	1.40	1.40	1.39	1.38	1.38
15.2625	1.37	1.37	1.36	1.36	1.35
15.3250	1.35	1.34	1.33	1.33	1.32
15.3875	1.32	1.31	1.31	1.30	1.30
15.4500	1.29	1.29	1.28	1.28	1.27
15.5125	1.27	1.27	1.26	1.26	1.25
15.5750	1.25	1.24	1.24	1.23	1.23
15.6375	1.22	1.22	1.21	1.21	1.21
15.7000	1.20	1.20	1.19	1.19	1.18
15.7625	1.18	1.17	1.17	1.17	1.16
15.8250	1.16	1.15	1.15	1.14	1.14
15.8875	1.13	1.13	1.13	1.12	1.12
15.9500	1.11	1.11	1.10	1.10	1.10
16.0125	1.09	1.09	1.08	1.08	1.07
16.0750	1.07	1.06	1.06	1.06	1.05
16.1375	1.05	1.04	1.04	1.03	1.03
16.2000	1.03	1.02	1.02	1.01	1.01
16.2625	1.01	1.00	1.00	.99	.99
16.3250	.98	.98	.98	.97	.97
16.3875	.96	.96	.96	.95	.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.4500	.94	.94	.94	.93	.93
16.5125	.93	.92	.92	.92	.91
16.5750	.91	.90	.90	.90	.89
16.6375	.89	.89	.88	.88	.88
16.7000	.87	.87	.87	.87	.86
16.7625	.86	.86	.85	.85	.85
16.8250	.84	.84	.84	.84	.83
16.8875	.83	.83	.83	.82	.82
16.9500	.82	.81	.81	.81	.81
17.0125	.80	.80	.80	.80	.80
17.0750	.79	.79	.79	.79	.78
17.1375	.78	.78	.78	.77	.77
17.2000	.77	.77	.76	.76	.76
17.2625	.76	.76	.75	.75	.75
17.3250	.75	.74	.74	.74	.74
17.3875	.74	.73	.73	.73	.73
17.4500	.73	.72	.72	.72	.72
17.5125	.71	.71	.71	.71	.71
17.5750	.70	.70	.70	.70	.70
17.6375	.69	.69	.69	.69	.69
17.7000	.68	.68	.68	.68	.68
17.7625	.67	.67	.67	.67	.67
17.8250	.66	.66	.66	.66	.66
17.8875	.65	.65	.65	.65	.65
17.9500	.64	.64	.64	.64	.64
18.0125	.63	.63	.63	.63	.63
18.0750	.62	.62	.62	.62	.62
18.1375	.61	.61	.61	.61	.61
18.2000	.61	.60	.60	.60	.60
18.2625	.60	.59	.59	.59	.59
18.3250	.59	.58	.58	.58	.58
18.3875	.58	.58	.57	.57	.57
18.4500	.57	.57	.57	.56	.56
18.5125	.56	.56	.56	.56	.55
18.5750	.55	.55	.55	.55	.55
18.6375	.55	.54	.54	.54	.54
18.7000	.54	.54	.54	.54	.53
18.7625	.53	.53	.53	.53	.53
18.8250	.53	.53	.53	.52	.52
18.8875	.52	.52	.52	.52	.52
18.9500	.52	.52	.52	.51	.51
19.0125	.51	.51	.51	.51	.51
19.0750	.51	.51	.51	.51	.50
19.1375	.50	.50	.50	.50	.50
19.2000	.50	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.2625	.50	.50	.49	.49	.49
19.3250	.49	.49	.49	.49	.49
19.3875	.49	.49	.49	.49	.49
19.4500	.49	.48	.48	.48	.48
19.5125	.48	.48	.48	.48	.48
19.5750	.48	.48	.48	.48	.48
19.6375	.48	.47	.47	.47	.47
19.7000	.47	.47	.47	.47	.47
19.7625	.47	.47	.47	.47	.47
19.8250	.47	.47	.46	.46	.46
19.8875	.46	.46	.46	.46	.46
19.9500	.46	.46	.46	.46	.46
20.0125	.46	.46	.46	.45	.45
20.0750	.45	.45	.45	.45	.45
20.1375	.45	.45	.45	.45	.45
20.2000	.45	.45	.45	.45	.45
20.2625	.44	.44	.44	.44	.44
20.3250	.44	.44	.44	.44	.44
20.3875	.44	.44	.44	.44	.44
20.4500	.44	.44	.44	.43	.43
20.5125	.43	.43	.43	.43	.43
20.5750	.43	.43	.43	.43	.43
20.6375	.43	.43	.43	.43	.43
20.7000	.43	.43	.42	.42	.42
20.7625	.42	.42	.42	.42	.42
20.8250	.42	.42	.42	.42	.42
20.8875	.42	.42	.42	.42	.42
20.9500	.42	.42	.41	.41	.41
21.0125	.41	.41	.41	.41	.41
21.0750	.41	.41	.41	.41	.41
21.1375	.41	.41	.41	.41	.41
21.2000	.41	.41	.41	.41	.40
21.2625	.40	.40	.40	.40	.40
21.3250	.40	.40	.40	.40	.40
21.3875	.40	.40	.40	.40	.40
21.4500	.40	.40	.40	.40	.40
21.5125	.40	.39	.39	.39	.39
21.5750	.39	.39	.39	.39	.39
21.6375	.39	.39	.39	.39	.39
21.7000	.39	.39	.39	.39	.39
21.7625	.39	.39	.39	.38	.38
21.8250	.38	.38	.38	.38	.38
21.8875	.38	.38	.38	.38	.38
21.9500	.38	.38	.38	.38	.38
22.0125	.38	.38	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.0750	.38	.37	.37	.37	.37
22.1375	.37	.37	.37	.37	.37
22.2000	.37	.37	.37	.37	.37
22.2625	.37	.37	.37	.37	.37
22.3250	.37	.37	.37	.37	.36
22.3875	.36	.36	.36	.36	.36
22.4500	.36	.36	.36	.36	.36
22.5125	.36	.36	.36	.36	.36
22.5750	.36	.36	.36	.36	.36
22.6375	.36	.35	.35	.35	.35
22.7000	.35	.35	.35	.35	.35
22.7625	.35	.35	.35	.35	.35
22.8250	.35	.35	.35	.35	.35
22.8875	.35	.35	.35	.35	.34
22.9500	.34	.34	.34	.34	.34
23.0125	.34	.34	.34	.34	.34
23.0750	.34	.34	.34	.34	.34
23.1375	.34	.34	.34	.34	.34
23.2000	.34	.34	.33	.33	.33
23.2625	.33	.33	.33	.33	.33
23.3250	.33	.33	.33	.33	.33
23.3875	.33	.33	.33	.33	.33
23.4500	.33	.33	.33	.33	.32
23.5125	.32	.32	.32	.32	.32
23.5750	.32	.32	.32	.32	.32
23.6375	.32	.32	.32	.32	.32
23.7000	.32	.32	.32	.32	.32
23.7625	.32	.31	.31	.31	.31
23.8250	.31	.31	.31	.31	.31
23.8875	.31	.31	.31	.31	.31
23.9500	.31	.31	.31	.31	.31
24.0125	.31	.30	.30	.30	.30
24.0750	.30	.30	.30	.30	.30
24.1375	.30	.29	.29	.29	.29
24.2000	.29	.29	.28	.28	.28
24.2625	.28	.28	.27	.27	.27
24.3250	.27	.26	.26	.26	.25
24.3875	.25	.25	.24	.24	.24
24.4500	.23	.23	.22	.22	.22
24.5125	.21	.21	.20	.20	.20
24.5750	.19	.19	.18	.18	.18
24.6375	.17	.17	.16	.16	.16
24.7000	.15	.15	.14	.14	.14
24.7625	.13	.13	.13	.12	.12
24.8250	.11	.11	.11	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.8875	.10	.10	.09	.09	.09
24.9500	.08	.08	.08	.08	.07
25.0125	.07	.07	.07	.07	.06
25.0750	.06	.06	.06	.06	.05
25.1375	.05	.05	.05	.05	.05
25.2000	.05	.04	.04	.04	.04
25.2625	.04	.04	.04	.04	.03
25.3250	.03	.03	.03	.03	.03
25.3875	.03	.03	.03	.03	.03
25.4500	.02	.02	.02	.02	.02
25.5125	.02	.02	.02	.02	.02
25.5750	.02	.02	.02	.02	.02
25.6375	.02	.01	.01	.01	.01
25.7000	.01	.01	.01	.01	.01
25.7625	.01	.01	.01	.01	.01
25.8250	.01	.01	.01	.01	.01
25.8875	.01	.01	.01	.01	.01
25.9500	.01	.01	.01	.01	.01
26.0125	.01	.01	.01	.01	.01
26.0750	.01	.00	.00	.00	.00
26.1375	.00	.00	.00	.00	.00
26.2000	.00	.00	.00	.00	.00
26.2625	.00	.00	.00	.00	.00
26.3250	.00	.00	.00	.00	.00
26.3875	.00	.00	.00	.00	.00
26.4500	.00	.00	.00	.00	.00
26.5125	.00	.00	.00	.00	.00
26.5750	.00	.00	.00	.00	.00
26.6375	.00	.00	.00	.00	.00

Name... D.A. CC-1 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-1 25
Tc = 1.0019 hrs
Drainage Area = 7.300 acres Runoff CN= 73

=====
Computational Time Increment = .13359 hrs
Computed Peak Time = 12.6907 hrs
Computed Peak Flow = 11.76 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.6874 hrs
Peak Flow, Interpolated Output = 11.75 cfs
=====

DRAINAGE AREA

ID:D.A. CC-1
CN = 73
Area = 7.300 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

3.5079 in
92955 cu.ft

HYG Volume... 92954 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.00190 hrs (ID: D.A. CC-1)
Computational Incr, Tm = .13359 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 8.26 cfs
Unit peak time Tp = .66793 hrs
Unit receding limb, Tr = 2.67174 hrs
Total unit time, Tb = 3.33967 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-1 25
 Tc = 1.0019 hrs
 Drainage Area = 7.300 acres Runoff CN= 73
 Calc.Increment= .13359 hrs Out.Incr.= .0125 hrs
 HYG Volume = 92954 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.01	.01	.01	.01
8.5250	.01	.01	.01	.01	.01
8.5875	.01	.01	.01	.01	.01
8.6500	.01	.01	.01	.02	.02
8.7125	.02	.02	.02	.02	.02
8.7750	.02	.02	.02	.03	.03
8.8375	.03	.03	.03	.03	.03
8.9000	.04	.04	.04	.04	.04
8.9625	.04	.04	.05	.05	.05
9.0250	.05	.05	.05	.06	.06
9.0875	.06	.06	.06	.06	.07
9.1500	.07	.07	.07	.07	.08
9.2125	.08	.08	.08	.08	.09
9.2750	.09	.09	.09	.10	.10
9.3375	.10	.10	.10	.11	.11
9.4000	.11	.11	.12	.12	.12
9.4625	.12	.13	.13	.13	.13
9.5250	.14	.14	.14	.15	.15
9.5875	.15	.15	.16	.16	.16
9.6500	.17	.17	.17	.17	.18
9.7125	.18	.18	.19	.19	.19
9.7750	.20	.20	.20	.21	.21
9.8375	.21	.22	.22	.22	.23
9.9000	.23	.23	.24	.24	.24
9.9625	.25	.25	.25	.26	.26
10.0250	.26	.27	.27	.27	.28
10.0875	.28	.29	.29	.29	.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.1500	.30	.31	.31	.31	.32
10.2125	.32	.33	.33	.33	.34
10.2750	.34	.35	.35	.35	.36
10.3375	.36	.37	.37	.38	.38
10.4000	.39	.39	.40	.40	.40
10.4625	.41	.41	.42	.42	.43
10.5250	.43	.44	.44	.45	.46
10.5875	.46	.47	.47	.48	.48
10.6500	.49	.49	.50	.51	.51
10.7125	.52	.52	.53	.54	.54
10.7750	.55	.55	.56	.57	.57
10.8375	.58	.59	.59	.60	.61
10.9000	.61	.62	.63	.64	.64
10.9625	.65	.66	.66	.67	.68
11.0250	.69	.69	.70	.71	.72
11.0875	.72	.73	.74	.75	.76
11.1500	.77	.78	.78	.79	.80
11.2125	.81	.82	.83	.84	.85
11.2750	.86	.87	.88	.89	.90
11.3375	.91	.92	.93	.94	.95
11.4000	.97	.98	.99	1.00	1.02
11.4625	1.03	1.04	1.05	1.07	1.09
11.5250	1.10	1.12	1.14	1.15	1.17
11.5875	1.19	1.21	1.22	1.24	1.27
11.6500	1.30	1.32	1.35	1.38	1.41
11.7125	1.43	1.46	1.49	1.52	1.55
11.7750	1.60	1.65	1.70	1.75	1.80
11.8375	1.85	1.89	1.94	1.99	2.04
11.9000	2.13	2.23	2.32	2.42	2.52
11.9625	2.61	2.71	2.81	2.90	3.00
12.0250	3.11	3.27	3.43	3.59	3.75
12.0875	3.92	4.08	4.24	4.40	4.56
12.1500	4.72	4.91	5.13	5.36	5.58
12.2125	5.80	6.02	6.24	6.46	6.69
12.2750	6.91	7.13	7.35	7.58	7.81
12.3375	8.03	8.26	8.48	8.71	8.93
12.4000	9.16	9.39	9.60	9.76	9.91
12.4625	10.06	10.22	10.37	10.52	10.68
12.5250	10.83	10.98	11.14	11.25	11.30
12.5875	11.35	11.40	11.45	11.50	11.55
12.6500	11.60	11.65	11.70	11.75	11.73
12.7125	11.68	11.64	11.60	11.55	11.51
12.7750	11.46	11.42	11.38	11.33	11.28
12.8375	11.17	11.06	10.94	10.83	10.72
12.9000	10.60	10.49	10.38	10.26	10.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.9625	10.03	9.89	9.75	9.61	9.47
13.0250	9.33	9.20	9.06	8.92	8.78
13.0875	8.64	8.51	8.38	8.25	8.12
13.1500	7.99	7.87	7.74	7.61	7.48
13.2125	7.35	7.22	7.12	7.01	6.91
13.2750	6.80	6.69	6.59	6.48	6.37
13.3375	6.27	6.16	6.06	5.98	5.89
13.4000	5.81	5.72	5.64	5.55	5.47
13.4625	5.38	5.30	5.22	5.14	5.08
13.5250	5.01	4.94	4.88	4.81	4.74
13.5875	4.68	4.61	4.54	4.48	4.43
13.6500	4.37	4.32	4.27	4.22	4.17
13.7125	4.11	4.06	4.01	3.96	3.91
13.7750	3.87	3.83	3.79	3.75	3.70
13.8375	3.66	3.62	3.58	3.54	3.50
13.9000	3.46	3.43	3.40	3.37	3.33
13.9625	3.30	3.27	3.24	3.20	3.17
14.0250	3.14	3.11	3.09	3.06	3.03
14.0875	3.01	2.98	2.96	2.93	2.90
14.1500	2.88	2.85	2.83	2.81	2.79
14.2125	2.76	2.74	2.72	2.70	2.68
14.2750	2.66	2.64	2.62	2.60	2.58
14.3375	2.56	2.54	2.52	2.51	2.49
14.4000	2.47	2.45	2.43	2.42	2.40
14.4625	2.39	2.37	2.36	2.34	2.33
14.5250	2.31	2.30	2.28	2.27	2.25
14.5875	2.24	2.23	2.22	2.20	2.19
14.6500	2.18	2.16	2.15	2.14	2.13
14.7125	2.12	2.11	2.09	2.08	2.07
14.7750	2.06	2.05	2.04	2.03	2.02
14.8375	2.01	2.00	1.99	1.98	1.97
14.9000	1.96	1.95	1.94	1.93	1.92
14.9625	1.91	1.91	1.90	1.89	1.88
15.0250	1.87	1.86	1.85	1.85	1.84
15.0875	1.83	1.82	1.81	1.81	1.80
15.1500	1.79	1.78	1.77	1.77	1.76
15.2125	1.75	1.74	1.74	1.73	1.72
15.2750	1.71	1.71	1.70	1.69	1.69
15.3375	1.68	1.67	1.67	1.66	1.65
15.4000	1.65	1.64	1.63	1.63	1.62
15.4625	1.61	1.61	1.60	1.60	1.59
15.5250	1.58	1.58	1.57	1.57	1.56
15.5875	1.55	1.55	1.54	1.54	1.53
15.6500	1.53	1.52	1.51	1.51	1.50
15.7125	1.50	1.49	1.49	1.48	1.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7750	1.47	1.46	1.46	1.45	1.45
15.8375	1.44	1.44	1.43	1.42	1.42
15.9000	1.41	1.41	1.40	1.40	1.39
15.9625	1.39	1.38	1.37	1.37	1.36
16.0250	1.36	1.35	1.35	1.34	1.34
16.0875	1.33	1.33	1.32	1.31	1.31
16.1500	1.30	1.30	1.29	1.29	1.28
16.2125	1.28	1.27	1.27	1.26	1.26
16.2750	1.25	1.25	1.24	1.23	1.23
16.3375	1.22	1.22	1.21	1.21	1.20
16.4000	1.20	1.19	1.19	1.18	1.18
16.4625	1.18	1.17	1.17	1.16	1.16
16.5250	1.15	1.15	1.14	1.14	1.13
16.5875	1.13	1.13	1.12	1.12	1.11
16.6500	1.11	1.10	1.10	1.10	1.09
16.7125	1.09	1.08	1.08	1.08	1.07
16.7750	1.07	1.07	1.06	1.06	1.05
16.8375	1.05	1.05	1.04	1.04	1.04
16.9000	1.03	1.03	1.03	1.02	1.02
16.9625	1.02	1.01	1.01	1.01	1.00
17.0250	1.00	1.00	.99	.99	.99
17.0875	.99	.98	.98	.98	.97
17.1500	.97	.97	.96	.96	.96
17.2125	.96	.95	.95	.95	.94
17.2750	.94	.94	.94	.93	.93
17.3375	.93	.93	.92	.92	.92
17.4000	.91	.91	.91	.91	.90
17.4625	.90	.90	.90	.89	.89
17.5250	.89	.89	.88	.88	.88
17.5875	.88	.87	.87	.87	.86
17.6500	.86	.86	.86	.85	.85
17.7125	.85	.85	.84	.84	.84
17.7750	.84	.83	.83	.83	.83
17.8375	.82	.82	.82	.82	.81
17.9000	.81	.81	.81	.80	.80
17.9625	.80	.80	.79	.79	.79
18.0250	.79	.78	.78	.78	.78
18.0875	.77	.77	.77	.77	.77
18.1500	.76	.76	.76	.76	.75
18.2125	.75	.75	.75	.74	.74
18.2750	.74	.74	.73	.73	.73
18.3375	.73	.73	.72	.72	.72
18.4000	.72	.71	.71	.71	.71
18.4625	.71	.70	.70	.70	.70
18.5250	.70	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5875	.69	.68	.68	.68	.68
18.6500	.68	.68	.67	.67	.67
18.7125	.67	.67	.67	.66	.66
18.7750	.66	.66	.66	.66	.66
18.8375	.65	.65	.65	.65	.65
18.9000	.65	.65	.65	.64	.64
18.9625	.64	.64	.64	.64	.64
19.0250	.64	.63	.63	.63	.63
19.0875	.63	.63	.63	.63	.63
19.1500	.63	.62	.62	.62	.62
19.2125	.62	.62	.62	.62	.62
19.2750	.62	.61	.61	.61	.61
19.3375	.61	.61	.61	.61	.61
19.4000	.61	.61	.60	.60	.60
19.4625	.60	.60	.60	.60	.60
19.5250	.60	.60	.60	.60	.59
19.5875	.59	.59	.59	.59	.59
19.6500	.59	.59	.59	.59	.59
19.7125	.59	.58	.58	.58	.58
19.7750	.58	.58	.58	.58	.58
19.8375	.58	.58	.58	.58	.57
19.9000	.57	.57	.57	.57	.57
19.9625	.57	.57	.57	.57	.57
20.0250	.57	.57	.56	.56	.56
20.0875	.56	.56	.56	.56	.56
20.1500	.56	.56	.56	.56	.56
20.2125	.56	.55	.55	.55	.55
20.2750	.55	.55	.55	.55	.55
20.3375	.55	.55	.55	.55	.55
20.4000	.54	.54	.54	.54	.54
20.4625	.54	.54	.54	.54	.54
20.5250	.54	.54	.54	.54	.53
20.5875	.53	.53	.53	.53	.53
20.6500	.53	.53	.53	.53	.53
20.7125	.53	.53	.53	.53	.53
20.7750	.52	.52	.52	.52	.52
20.8375	.52	.52	.52	.52	.52
20.9000	.52	.52	.52	.52	.52
20.9625	.52	.51	.51	.51	.51
21.0250	.51	.51	.51	.51	.51
21.0875	.51	.51	.51	.51	.51
21.1500	.51	.51	.51	.50	.50
21.2125	.50	.50	.50	.50	.50
21.2750	.50	.50	.50	.50	.50
21.3375	.50	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.4000	.50	.49	.49	.49	.49
21.4625	.49	.49	.49	.49	.49
21.5250	.49	.49	.49	.49	.49
21.5875	.49	.49	.49	.49	.48
21.6500	.48	.48	.48	.48	.48
21.7125	.48	.48	.48	.48	.48
21.7750	.48	.48	.48	.48	.48
21.8375	.48	.48	.47	.47	.47
21.9000	.47	.47	.47	.47	.47
21.9625	.47	.47	.47	.47	.47
22.0250	.47	.47	.47	.47	.47
22.0875	.46	.46	.46	.46	.46
22.1500	.46	.46	.46	.46	.46
22.2125	.46	.46	.46	.46	.46
22.2750	.46	.46	.46	.45	.45
22.3375	.45	.45	.45	.45	.45
22.4000	.45	.45	.45	.45	.45
22.4625	.45	.45	.45	.45	.45
22.5250	.45	.44	.44	.44	.44
22.5875	.44	.44	.44	.44	.44
22.6500	.44	.44	.44	.44	.44
22.7125	.44	.44	.44	.44	.43
22.7750	.43	.43	.43	.43	.43
22.8375	.43	.43	.43	.43	.43
22.9000	.43	.43	.43	.43	.43
22.9625	.43	.43	.43	.42	.42
23.0250	.42	.42	.42	.42	.42
23.0875	.42	.42	.42	.42	.42
23.1500	.42	.42	.42	.42	.42
23.2125	.42	.41	.41	.41	.41
23.2750	.41	.41	.41	.41	.41
23.3375	.41	.41	.41	.41	.41
23.4000	.41	.41	.41	.41	.40
23.4625	.40	.40	.40	.40	.40
23.5250	.40	.40	.40	.40	.40
23.5875	.40	.40	.40	.40	.40
23.6500	.40	.40	.39	.39	.39
23.7125	.39	.39	.39	.39	.39
23.7750	.39	.39	.39	.39	.39
23.8375	.39	.39	.39	.39	.39
23.9000	.38	.38	.38	.38	.38
23.9625	.38	.38	.38	.38	.38
24.0250	.38	.38	.38	.37	.37
24.0875	.37	.37	.37	.37	.37
24.1500	.36	.36	.36	.36	.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.2125	.35	.35	.35	.35	.34
24.2750	.34	.34	.34	.33	.33
24.3375	.33	.32	.32	.31	.31
24.4000	.30	.30	.30	.29	.29
24.4625	.28	.28	.27	.27	.26
24.5250	.26	.25	.25	.24	.24
24.5875	.23	.23	.22	.22	.21
24.6500	.21	.20	.20	.19	.19
24.7125	.18	.18	.17	.17	.16
24.7750	.16	.16	.15	.15	.14
24.8375	.14	.13	.13	.13	.12
24.9000	.12	.12	.11	.11	.10
24.9625	.10	.10	.09	.09	.09
25.0250	.09	.08	.08	.08	.08
25.0875	.07	.07	.07	.07	.07
25.1500	.06	.06	.06	.06	.06
25.2125	.05	.05	.05	.05	.05
25.2750	.05	.05	.04	.04	.04
25.3375	.04	.04	.04	.04	.04
25.4000	.03	.03	.03	.03	.03
25.4625	.03	.03	.03	.03	.03
25.5250	.03	.02	.02	.02	.02
25.5875	.02	.02	.02	.02	.02
25.6500	.02	.02	.02	.02	.02
25.7125	.02	.02	.01	.01	.01
25.7750	.01	.01	.01	.01	.01
25.8375	.01	.01	.01	.01	.01
25.9000	.01	.01	.01	.01	.01
25.9625	.01	.01	.01	.01	.01
26.0250	.01	.01	.01	.01	.01
26.0875	.01	.01	.01	.01	.01
26.1500	.01	.00	.00	.00	.00
26.2125	.00	.00	.00	.00	.00
26.2750	.00	.00	.00	.00	.00
26.3375	.00	.00	.00	.00	.00
26.4000	.00	.00	.00	.00	.00
26.4625	.00	.00	.00	.00	.00
26.5250	.00	.00	.00	.00	.00
26.5875	.00	.00	.00	.00	.00
26.6500	.00	.00	.00	.00	.00

Name... D.A. CC-1 Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-1 50
Tc = 1.0019 hrs
Drainage Area = 7.300 acres Runoff CN= 73

=====
Computational Time Increment = .13359 hrs
Computed Peak Time = 12.6907 hrs
Computed Peak Flow = 13.21 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.6874 hrs
Peak Flow, Interpolated Output = 13.19 cfs
=====

DRAINAGE AREA

ID:D.A. CC-1
CN = 73
Area = 7.300 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

3.9353 in
104281 cu.ft

HYG Volume... 104280 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.00190 hrs (ID: D.A. CC-1)
Computational Incr, Tm = .13359 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 8.26 cfs
Unit peak time Tp = .66793 hrs
Unit receding limb, Tr = 2.67174 hrs
Total unit time, Tb = 3.33967 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-1 50
 Tc = 1.0019 hrs
 Drainage Area = 7.300 acres Runoff CN= 73
 Calc.Increment= .13359 hrs Out.Incr.= .0125 hrs
 HYG Volume = 104280 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
7.9375	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.0625	.00	.00	.00	.00	.00
8.1250	.00	.00	.00	.01	.01
8.1875	.01	.01	.01	.01	.01
8.2500	.01	.01	.01	.01	.01
8.3125	.01	.01	.01	.01	.01
8.3750	.02	.02	.02	.02	.02
8.4375	.02	.02	.02	.02	.02
8.5000	.03	.03	.03	.03	.03
8.5625	.03	.03	.03	.04	.04
8.6250	.04	.04	.04	.04	.04
8.6875	.04	.05	.05	.05	.05
8.7500	.05	.05	.06	.06	.06
8.8125	.06	.06	.06	.07	.07
8.8750	.07	.07	.07	.08	.08
8.9375	.08	.08	.08	.09	.09
9.0000	.09	.09	.10	.10	.10
9.0625	.10	.10	.11	.11	.11
9.1250	.11	.12	.12	.12	.12
9.1875	.13	.13	.13	.13	.14
9.2500	.14	.14	.14	.15	.15
9.3125	.15	.16	.16	.16	.16
9.3750	.17	.17	.17	.18	.18
9.4375	.18	.18	.19	.19	.19
9.5000	.20	.20	.20	.21	.21
9.5625	.21	.22	.22	.22	.23
9.6250	.23	.23	.24	.24	.24
9.6875	.25	.25	.25	.26	.26
9.7500	.27	.27	.27	.28	.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.8125	.28	.29	.29	.30	.30
9.8750	.30	.31	.31	.32	.32
9.9375	.32	.33	.33	.34	.34
10.0000	.34	.35	.35	.36	.36
10.0625	.36	.37	.37	.38	.38
10.1250	.39	.39	.40	.40	.40
10.1875	.41	.41	.42	.42	.43
10.2500	.43	.44	.44	.45	.45
10.3125	.46	.46	.47	.47	.48
10.3750	.48	.49	.49	.50	.50
10.4375	.51	.51	.52	.53	.53
10.5000	.54	.54	.55	.55	.56
10.5625	.57	.57	.58	.59	.59
10.6250	.60	.60	.61	.62	.62
10.6875	.63	.64	.64	.65	.66
10.7500	.67	.67	.68	.69	.69
10.8125	.70	.71	.72	.72	.73
10.8750	.74	.75	.76	.76	.77
10.9375	.78	.79	.79	.80	.81
11.0000	.82	.83	.84	.85	.85
11.0625	.86	.87	.88	.89	.90
11.1250	.91	.92	.93	.94	.95
11.1875	.96	.97	.98	.99	1.00
11.2500	1.01	1.02	1.03	1.04	1.06
11.3125	1.07	1.08	1.09	1.10	1.11
11.3750	1.13	1.14	1.16	1.17	1.18
11.4375	1.20	1.21	1.23	1.24	1.25
11.5000	1.27	1.29	1.31	1.33	1.35
11.5625	1.37	1.39	1.41	1.43	1.45
11.6250	1.47	1.50	1.53	1.56	1.60
11.6875	1.63	1.66	1.69	1.72	1.75
11.7500	1.78	1.83	1.88	1.94	1.99
11.8125	2.05	2.10	2.16	2.21	2.27
11.8750	2.32	2.38	2.48	2.59	2.70
11.9375	2.81	2.92	3.03	3.14	3.25
12.0000	3.36	3.47	3.59	3.77	3.95
12.0625	4.13	4.32	4.50	4.68	4.86
12.1250	5.04	5.22	5.41	5.62	5.87
12.1875	6.12	6.36	6.61	6.86	7.11
12.2500	7.36	7.61	7.85	8.10	8.35
12.3125	8.60	8.85	9.11	9.36	9.61
12.3750	9.86	10.11	10.36	10.61	10.85
12.4375	11.02	11.19	11.36	11.53	11.70
12.5000	11.87	12.04	12.21	12.38	12.55
12.5625	12.67	12.72	12.77	12.82	12.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
12.6250	12.93	12.98	13.03	13.09	13.14
12.6875	13.19	13.17	13.12	13.06	13.01
12.7500	12.96	12.91	12.86	12.80	12.75
12.8125	12.70	12.64	12.51	12.38	12.26
12.8750	12.13	12.00	11.87	11.74	11.61
12.9375	11.48	11.35	11.21	11.06	10.90
13.0000	10.74	10.59	10.43	10.27	10.12
13.0625	9.96	9.80	9.65	9.50	9.35
13.1250	9.21	9.07	8.92	8.78	8.63
13.1875	8.49	8.34	8.20	8.05	7.93
13.2500	7.82	7.70	7.58	7.46	7.34
13.3125	7.22	7.10	6.98	6.86	6.75
13.3750	6.66	6.56	6.47	6.37	6.28
13.4375	6.18	6.09	5.99	5.90	5.80
13.5000	5.72	5.64	5.57	5.50	5.42
13.5625	5.35	5.27	5.20	5.12	5.05
13.6250	4.97	4.92	4.86	4.80	4.74
13.6875	4.68	4.63	4.57	4.51	4.45
13.7500	4.39	4.34	4.29	4.25	4.20
13.8125	4.15	4.11	4.06	4.02	3.97
13.8750	3.92	3.88	3.84	3.80	3.77
13.9375	3.73	3.69	3.66	3.62	3.58
14.0000	3.55	3.51	3.48	3.45	3.42
14.0625	3.39	3.36	3.33	3.30	3.27
14.1250	3.24	3.21	3.18	3.15	3.13
14.1875	3.11	3.08	3.06	3.03	3.01
14.2500	2.99	2.96	2.94	2.91	2.89
14.3125	2.87	2.85	2.83	2.81	2.79
14.3750	2.77	2.75	2.73	2.71	2.69
14.4375	2.67	2.65	2.64	2.62	2.60
14.5000	2.59	2.57	2.55	2.54	2.52
14.5625	2.50	2.49	2.47	2.46	2.45
14.6250	2.43	2.42	2.40	2.39	2.37
14.6875	2.36	2.35	2.34	2.32	2.31
14.7500	2.30	2.29	2.27	2.26	2.25
14.8125	2.24	2.23	2.22	2.21	2.19
14.8750	2.18	2.17	2.16	2.15	2.14
14.9375	2.13	2.12	2.11	2.10	2.09
15.0000	2.08	2.07	2.06	2.05	2.04
15.0625	2.03	2.03	2.02	2.01	2.00
15.1250	1.99	1.98	1.97	1.96	1.95
15.1875	1.95	1.94	1.93	1.92	1.91
15.2500	1.90	1.90	1.89	1.88	1.87
15.3125	1.86	1.86	1.85	1.84	1.83
15.3750	1.83	1.82	1.81	1.81	1.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4375	1.79	1.78	1.78	1.77	1.76
15.5000	1.76	1.75	1.74	1.74	1.73
15.5625	1.72	1.72	1.71	1.71	1.70
15.6250	1.69	1.69	1.68	1.67	1.67
15.6875	1.66	1.65	1.65	1.64	1.64
15.7500	1.63	1.62	1.62	1.61	1.60
15.8125	1.60	1.59	1.59	1.58	1.57
15.8750	1.57	1.56	1.56	1.55	1.54
15.9375	1.54	1.53	1.52	1.52	1.51
16.0000	1.51	1.50	1.49	1.49	1.48
16.0625	1.48	1.47	1.46	1.46	1.45
16.1250	1.45	1.44	1.43	1.43	1.42
16.1875	1.42	1.41	1.40	1.40	1.39
16.2500	1.39	1.38	1.38	1.37	1.36
16.3125	1.36	1.35	1.35	1.34	1.34
16.3750	1.33	1.32	1.32	1.31	1.31
16.4375	1.30	1.30	1.29	1.29	1.28
16.5000	1.28	1.27	1.27	1.26	1.26
16.5625	1.25	1.25	1.24	1.24	1.23
16.6250	1.23	1.22	1.22	1.21	1.21
16.6875	1.20	1.20	1.20	1.19	1.19
16.7500	1.18	1.18	1.17	1.17	1.17
16.8125	1.16	1.16	1.15	1.15	1.15
16.8750	1.14	1.14	1.14	1.13	1.13
16.9375	1.12	1.12	1.12	1.11	1.11
17.0000	1.11	1.10	1.10	1.10	1.09
17.0625	1.09	1.09	1.08	1.08	1.08
17.1250	1.07	1.07	1.07	1.06	1.06
17.1875	1.06	1.05	1.05	1.05	1.04
17.2500	1.04	1.04	1.04	1.03	1.03
17.3125	1.03	1.02	1.02	1.02	1.01
17.3750	1.01	1.01	1.01	1.00	1.00
17.4375	1.00	.99	.99	.99	.98
17.5000	.98	.98	.98	.97	.97
17.5625	.97	.96	.96	.96	.96
17.6250	.95	.95	.95	.94	.94
17.6875	.94	.94	.93	.93	.93
17.7500	.93	.92	.92	.92	.91
17.8125	.91	.91	.91	.90	.90
17.8750	.90	.89	.89	.89	.89
17.9375	.88	.88	.88	.88	.87
18.0000	.87	.87	.86	.86	.86
18.0625	.86	.85	.85	.85	.85
18.1250	.84	.84	.84	.83	.83
18.1875	.83	.83	.82	.82	.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2500	.82	.81	.81	.81	.81
18.3125	.80	.80	.80	.80	.79
18.3750	.79	.79	.79	.78	.78
18.4375	.78	.78	.78	.77	.77
18.5000	.77	.77	.76	.76	.76
18.5625	.76	.76	.75	.75	.75
18.6250	.75	.75	.74	.74	.74
18.6875	.74	.74	.73	.73	.73
18.7500	.73	.73	.73	.72	.72
18.8125	.72	.72	.72	.72	.72
18.8750	.71	.71	.71	.71	.71
18.9375	.71	.71	.70	.70	.70
19.0000	.70	.70	.70	.70	.70
19.0625	.69	.69	.69	.69	.69
19.1250	.69	.69	.69	.69	.68
19.1875	.68	.68	.68	.68	.68
19.2500	.68	.68	.68	.67	.67
19.3125	.67	.67	.67	.67	.67
19.3750	.67	.67	.67	.66	.66
19.4375	.66	.66	.66	.66	.66
19.5000	.66	.66	.66	.66	.65
19.5625	.65	.65	.65	.65	.65
19.6250	.65	.65	.65	.65	.65
19.6875	.64	.64	.64	.64	.64
19.7500	.64	.64	.64	.64	.64
19.8125	.64	.64	.63	.63	.63
19.8750	.63	.63	.63	.63	.63
19.9375	.63	.63	.63	.63	.62
20.0000	.62	.62	.62	.62	.62
20.0625	.62	.62	.62	.62	.62
20.1250	.62	.61	.61	.61	.61
20.1875	.61	.61	.61	.61	.61
20.2500	.61	.61	.61	.60	.60
20.3125	.60	.60	.60	.60	.60
20.3750	.60	.60	.60	.60	.60
20.4375	.60	.59	.59	.59	.59
20.5000	.59	.59	.59	.59	.59
20.5625	.59	.59	.59	.59	.58
20.6250	.58	.58	.58	.58	.58
20.6875	.58	.58	.58	.58	.58
20.7500	.58	.58	.58	.57	.57
20.8125	.57	.57	.57	.57	.57
20.8750	.57	.57	.57	.57	.57
20.9375	.57	.57	.57	.56	.56
21.0000	.56	.56	.56	.56	.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0625	.56	.56	.56	.56	.56
21.1250	.56	.56	.56	.56	.55
21.1875	.55	.55	.55	.55	.55
21.2500	.55	.55	.55	.55	.55
21.3125	.55	.55	.55	.55	.55
21.3750	.54	.54	.54	.54	.54
21.4375	.54	.54	.54	.54	.54
21.5000	.54	.54	.54	.54	.54
21.5625	.54	.53	.53	.53	.53
21.6250	.53	.53	.53	.53	.53
21.6875	.53	.53	.53	.53	.53
21.7500	.53	.53	.52	.52	.52
21.8125	.52	.52	.52	.52	.52
21.8750	.52	.52	.52	.52	.52
21.9375	.52	.52	.52	.52	.51
22.0000	.51	.51	.51	.51	.51
22.0625	.51	.51	.51	.51	.51
22.1250	.51	.51	.51	.51	.51
22.1875	.50	.50	.50	.50	.50
22.2500	.50	.50	.50	.50	.50
22.3125	.50	.50	.50	.50	.50
22.3750	.50	.50	.49	.49	.49
22.4375	.49	.49	.49	.49	.49
22.5000	.49	.49	.49	.49	.49
22.5625	.49	.49	.49	.48	.48
22.6250	.48	.48	.48	.48	.48
22.6875	.48	.48	.48	.48	.48
22.7500	.48	.48	.48	.48	.48
22.8125	.47	.47	.47	.47	.47
22.8750	.47	.47	.47	.47	.47
22.9375	.47	.47	.47	.47	.47
23.0000	.47	.46	.46	.46	.46
23.0625	.46	.46	.46	.46	.46
23.1250	.46	.46	.46	.46	.46
23.1875	.46	.46	.46	.45	.45
23.2500	.45	.45	.45	.45	.45
23.3125	.45	.45	.45	.45	.45
23.3750	.45	.45	.45	.45	.44
23.4375	.44	.44	.44	.44	.44
23.5000	.44	.44	.44	.44	.44
23.5625	.44	.44	.44	.44	.44
23.6250	.43	.43	.43	.43	.43
23.6875	.43	.43	.43	.43	.43
23.7500	.43	.43	.43	.43	.43
23.8125	.43	.43	.42	.42	.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.8750	.42	.42	.42	.42	.42
23.9375	.42	.42	.42	.42	.42
24.0000	.42	.41	.41	.41	.41
24.0625	.41	.41	.41	.41	.40
24.1250	.40	.40	.40	.40	.40
24.1875	.39	.39	.39	.39	.38
24.2500	.38	.38	.37	.37	.37
24.3125	.37	.36	.36	.35	.35
24.3750	.34	.34	.33	.33	.33
24.4375	.32	.32	.31	.30	.30
24.5000	.29	.29	.28	.28	.27
24.5625	.27	.26	.26	.25	.24
24.6250	.24	.23	.23	.22	.22
24.6875	.21	.21	.20	.20	.19
24.7500	.19	.18	.18	.17	.17
24.8125	.16	.16	.15	.15	.14
24.8750	.14	.13	.13	.13	.12
24.9375	.12	.11	.11	.11	.10
25.0000	.10	.10	.10	.09	.09
25.0625	.09	.08	.08	.08	.08
25.1250	.07	.07	.07	.07	.07
25.1875	.06	.06	.06	.06	.06
25.2500	.05	.05	.05	.05	.05
25.3125	.05	.05	.04	.04	.04
25.3750	.04	.04	.04	.04	.04
25.4375	.03	.03	.03	.03	.03
25.5000	.03	.03	.03	.03	.03
25.5625	.03	.02	.02	.02	.02
25.6250	.02	.02	.02	.02	.02
25.6875	.02	.02	.02	.02	.02
25.7500	.02	.02	.01	.01	.01
25.8125	.01	.01	.01	.01	.01
25.8750	.01	.01	.01	.01	.01
25.9375	.01	.01	.01	.01	.01
26.0000	.01	.01	.01	.01	.01
26.0625	.01	.01	.01	.01	.01
26.1250	.01	.01	.01	.01	.01
26.1875	.01	.00	.00	.00	.00
26.2500	.00	.00	.00	.00	.00
26.3125	.00	.00	.00	.00	.00
26.3750	.00	.00	.00	.00	.00
26.4375	.00	.00	.00	.00	.00
26.5000	.00	.00	.00	.00	.00
26.5625	.00	.00	.00	.00	.00
26.6250	.00	.00	.00	.00	.00

Type.... Unit Hyd. (HYG output)

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Name.... D.A. CC-1 Tag: 50

Event: 50 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

HYDROGRAPH ORDINATES (cfs)

Time
hrs

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

26.6875	.00	.00	.00	.00
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Name... D.A. CC-1 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-1 100

Tc = 1.0019 hrs

Drainage Area = 7.300 acres Runoff CN= 73

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=====
Computational Time Increment = .13359 hrs
Computed Peak Time          = 12.6907 hrs
Computed Peak Flow          = 14.67 cfs

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Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.6874 hrs
Peak Flow, Interpolated Output = 14.65 cfs
=====

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DRAINAGE AREA

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ID:D.A. CC-1
CN = 73
Area = 7.300 acres
S = 3.6986 in
0.2S = .7397 in

```

Cumulative Runoff

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-----
4.3696 in
115790 cu.ft

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HYG Volume... 115789 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.00190 hrs (ID: D.A. CC-1)
Computational Incr, Tm = .13359 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 8.26 cfs
Unit peak time Tp = .66793 hrs
Unit receding limb, Tr = 2.67174 hrs
Total unit time, Tb = 3.33967 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-1 100

Tc = 1.0019 hrs

Drainage Area = 7.300 acres Runoff CN= 73

Calc.Increment= .13359 hrs Out.Incr.= .0125 hrs

HYG Volume = 115789 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.01	.01	.01
7.9000	.01	.01	.01	.01	.01
7.9625	.01	.01	.01	.01	.01
8.0250	.01	.01	.01	.01	.02
8.0875	.02	.02	.02	.02	.02
8.1500	.02	.02	.02	.02	.02
8.2125	.03	.03	.03	.03	.03
8.2750	.03	.03	.03	.04	.04
8.3375	.04	.04	.04	.04	.04
8.4000	.04	.05	.05	.05	.05
8.4625	.05	.05	.06	.06	.06
8.5250	.06	.06	.06	.07	.07
8.5875	.07	.07	.07	.07	.08
8.6500	.08	.08	.08	.08	.09
8.7125	.09	.09	.09	.09	.10
8.7750	.10	.10	.10	.10	.11
8.8375	.11	.11	.11	.12	.12
8.9000	.12	.12	.13	.13	.13
8.9625	.13	.14	.14	.14	.14
9.0250	.15	.15	.15	.16	.16
9.0875	.16	.16	.17	.17	.17
9.1500	.18	.18	.18	.18	.19
9.2125	.19	.19	.20	.20	.20
9.2750	.21	.21	.21	.22	.22
9.3375	.22	.23	.23	.23	.24
9.4000	.24	.24	.25	.25	.25
9.4625	.26	.26	.26	.27	.27

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.5250	.28	.28	.28	.29	.29
9.5875	.29	.30	.30	.31	.31
9.6500	.31	.32	.32	.33	.33
9.7125	.33	.34	.34	.35	.35
9.7750	.36	.36	.36	.37	.37
9.8375	.38	.38	.39	.39	.39
9.9000	.40	.40	.41	.41	.42
9.9625	.42	.43	.43	.44	.44
10.0250	.45	.45	.46	.46	.47
10.0875	.47	.48	.48	.49	.49
10.1500	.50	.50	.51	.51	.52
10.2125	.52	.53	.53	.54	.54
10.2750	.55	.55	.56	.57	.57
10.3375	.58	.58	.59	.59	.60
10.4000	.61	.61	.62	.62	.63
10.4625	.64	.64	.65	.66	.66
10.5250	.67	.68	.68	.69	.70
10.5875	.70	.71	.72	.73	.73
10.6500	.74	.75	.75	.76	.77
10.7125	.78	.79	.79	.80	.81
10.7750	.82	.83	.83	.84	.85
10.8375	.86	.87	.88	.88	.89
10.9000	.90	.91	.92	.93	.94
10.9625	.95	.96	.97	.98	.99
11.0250	1.00	1.00	1.01	1.02	1.03
11.0875	1.04	1.05	1.07	1.08	1.09
11.1500	1.10	1.11	1.12	1.13	1.14
11.2125	1.15	1.16	1.18	1.19	1.20
11.2750	1.21	1.23	1.24	1.25	1.27
11.3375	1.28	1.29	1.31	1.32	1.34
11.4000	1.35	1.37	1.38	1.40	1.42
11.4625	1.43	1.45	1.46	1.49	1.51
11.5250	1.53	1.55	1.57	1.59	1.62
11.5875	1.64	1.66	1.68	1.71	1.74
11.6500	1.78	1.81	1.85	1.88	1.92
11.7125	1.95	1.99	2.02	2.06	2.11
11.7750	2.17	2.23	2.29	2.36	2.42
11.8375	2.48	2.54	2.60	2.67	2.73
11.9000	2.84	2.96	3.09	3.21	3.33
11.9625	3.45	3.58	3.70	3.82	3.94
12.0250	4.08	4.28	4.48	4.69	4.89
12.0875	5.09	5.29	5.50	5.70	5.90
12.1500	6.10	6.34	6.62	6.89	7.17
12.2125	7.44	7.72	7.99	8.27	8.54
12.2750	8.82	9.09	9.37	9.64	9.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.3375	10.20	10.47	10.75	11.03	11.30
12.4000	11.58	11.86	12.12	12.31	12.49
12.4625	12.68	12.86	13.05	13.23	13.42
12.5250	13.60	13.79	13.97	14.10	14.16
12.5875	14.21	14.27	14.32	14.38	14.43
12.6500	14.49	14.54	14.60	14.65	14.62
12.7125	14.56	14.50	14.44	14.38	14.32
12.7750	14.26	14.20	14.14	14.08	14.01
12.8375	13.87	13.72	13.58	13.43	13.29
12.9000	13.14	13.00	12.85	12.71	12.56
12.9625	12.41	12.23	12.06	11.88	11.71
13.0250	11.53	11.36	11.19	11.01	10.84
13.0875	10.66	10.50	10.34	10.17	10.01
13.1500	9.85	9.69	9.53	9.37	9.21
13.2125	9.05	8.89	8.76	8.63	8.49
13.2750	8.36	8.23	8.10	7.96	7.83
13.3375	7.70	7.57	7.44	7.34	7.23
13.4000	7.13	7.02	6.92	6.81	6.71
13.4625	6.60	6.49	6.39	6.30	6.22
13.5250	6.13	6.05	5.97	5.89	5.80
13.5875	5.72	5.64	5.56	5.47	5.41
13.6500	5.34	5.28	5.21	5.15	5.09
13.7125	5.02	4.96	4.89	4.83	4.77
13.7750	4.72	4.67	4.62	4.56	4.51
13.8375	4.46	4.41	4.36	4.31	4.26
13.9000	4.21	4.17	4.13	4.09	4.05
13.9625	4.01	3.97	3.93	3.89	3.85
14.0250	3.81	3.78	3.75	3.72	3.68
14.0875	3.65	3.62	3.59	3.55	3.52
14.1500	3.49	3.46	3.43	3.40	3.38
14.2125	3.35	3.32	3.30	3.27	3.24
14.2750	3.22	3.19	3.17	3.14	3.12
14.3375	3.10	3.08	3.06	3.03	3.01
14.4000	2.99	2.97	2.94	2.92	2.91
14.4625	2.89	2.87	2.85	2.83	2.81
14.5250	2.79	2.78	2.76	2.74	2.72
14.5875	2.71	2.69	2.68	2.66	2.64
14.6500	2.63	2.61	2.60	2.58	2.57
14.7125	2.55	2.54	2.53	2.51	2.50
14.7750	2.49	2.47	2.46	2.45	2.43
14.8375	2.42	2.41	2.40	2.39	2.38
14.9000	2.36	2.35	2.34	2.33	2.32
14.9625	2.31	2.30	2.29	2.28	2.26
15.0250	2.25	2.24	2.23	2.22	2.21
15.0875	2.20	2.19	2.18	2.17	2.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.1500	2.15	2.14	2.13	2.12	2.12
15.2125	2.11	2.10	2.09	2.08	2.07
15.2750	2.06	2.05	2.04	2.04	2.03
15.3375	2.02	2.01	2.00	1.99	1.99
15.4000	1.98	1.97	1.96	1.96	1.95
15.4625	1.94	1.93	1.93	1.92	1.91
15.5250	1.90	1.90	1.89	1.88	1.88
15.5875	1.87	1.86	1.85	1.85	1.84
15.6500	1.83	1.83	1.82	1.81	1.81
15.7125	1.80	1.79	1.78	1.78	1.77
15.7750	1.76	1.76	1.75	1.74	1.74
15.8375	1.73	1.72	1.72	1.71	1.70
15.9000	1.70	1.69	1.68	1.68	1.67
15.9625	1.66	1.66	1.65	1.64	1.64
16.0250	1.63	1.62	1.62	1.61	1.60
16.0875	1.60	1.59	1.58	1.58	1.57
16.1500	1.56	1.56	1.55	1.55	1.54
16.2125	1.53	1.53	1.52	1.51	1.51
16.2750	1.50	1.49	1.49	1.48	1.48
16.3375	1.47	1.46	1.46	1.45	1.44
16.4000	1.44	1.43	1.43	1.42	1.41
16.4625	1.41	1.40	1.40	1.39	1.39
16.5250	1.38	1.38	1.37	1.36	1.36
16.5875	1.35	1.35	1.34	1.34	1.33
16.6500	1.33	1.32	1.32	1.31	1.31
16.7125	1.30	1.30	1.29	1.29	1.29
16.7750	1.28	1.28	1.27	1.27	1.26
16.8375	1.26	1.25	1.25	1.25	1.24
16.9000	1.24	1.23	1.23	1.23	1.22
16.9625	1.22	1.21	1.21	1.21	1.20
17.0250	1.20	1.20	1.19	1.19	1.18
17.0875	1.18	1.18	1.17	1.17	1.17
17.1500	1.16	1.16	1.16	1.15	1.15
17.2125	1.15	1.14	1.14	1.13	1.13
17.2750	1.13	1.12	1.12	1.12	1.11
17.3375	1.11	1.11	1.10	1.10	1.10
17.4000	1.10	1.09	1.09	1.09	1.08
17.4625	1.08	1.08	1.07	1.07	1.07
17.5250	1.06	1.06	1.06	1.05	1.05
17.5875	1.05	1.04	1.04	1.04	1.04
17.6500	1.03	1.03	1.03	1.02	1.02
17.7125	1.02	1.01	1.01	1.01	1.00
17.7750	1.00	1.00	1.00	.99	.99
17.8375	.99	.98	.98	.98	.97
17.9000	.97	.97	.97	.96	.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
17.9625	.96	.95	.95	.95	.94
18.0250	.94	.94	.94	.93	.93
18.0875	.93	.92	.92	.92	.92
18.1500	.91	.91	.91	.90	.90
18.2125	.90	.90	.89	.89	.89
18.2750	.88	.88	.88	.88	.87
18.3375	.87	.87	.86	.86	.86
18.4000	.86	.85	.85	.85	.85
18.4625	.84	.84	.84	.84	.83
18.5250	.83	.83	.83	.83	.82
18.5875	.82	.82	.82	.81	.81
18.6500	.81	.81	.81	.80	.80
18.7125	.80	.80	.80	.79	.79
18.7750	.79	.79	.79	.79	.78
18.8375	.78	.78	.78	.78	.78
18.9000	.77	.77	.77	.77	.77
18.9625	.77	.77	.76	.76	.76
19.0250	.76	.76	.76	.76	.76
19.0875	.75	.75	.75	.75	.75
19.1500	.75	.75	.75	.74	.74
19.2125	.74	.74	.74	.74	.74
19.2750	.74	.73	.73	.73	.73
19.3375	.73	.73	.73	.73	.73
19.4000	.72	.72	.72	.72	.72
19.4625	.72	.72	.72	.72	.72
19.5250	.71	.71	.71	.71	.71
19.5875	.71	.71	.71	.71	.71
19.6500	.70	.70	.70	.70	.70
19.7125	.70	.70	.70	.70	.70
19.7750	.70	.69	.69	.69	.69
19.8375	.69	.69	.69	.69	.69
19.9000	.69	.69	.68	.68	.68
19.9625	.68	.68	.68	.68	.68
20.0250	.68	.68	.67	.67	.67
20.0875	.67	.67	.67	.67	.67
20.1500	.67	.67	.67	.67	.66
20.2125	.66	.66	.66	.66	.66
20.2750	.66	.66	.66	.66	.66
20.3375	.65	.65	.65	.65	.65
20.4000	.65	.65	.65	.65	.65
20.4625	.65	.65	.64	.64	.64
20.5250	.64	.64	.64	.64	.64
20.5875	.64	.64	.64	.64	.63
20.6500	.63	.63	.63	.63	.63
20.7125	.63	.63	.63	.63	.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7750	.63	.63	.62	.62	.62
20.8375	.62	.62	.62	.62	.62
20.9000	.62	.62	.62	.62	.62
20.9625	.62	.61	.61	.61	.61
21.0250	.61	.61	.61	.61	.61
21.0875	.61	.61	.61	.61	.61
21.1500	.60	.60	.60	.60	.60
21.2125	.60	.60	.60	.60	.60
21.2750	.60	.60	.60	.60	.60
21.3375	.59	.59	.59	.59	.59
21.4000	.59	.59	.59	.59	.59
21.4625	.59	.59	.59	.59	.59
21.5250	.58	.58	.58	.58	.58
21.5875	.58	.58	.58	.58	.58
21.6500	.58	.58	.58	.58	.58
21.7125	.57	.57	.57	.57	.57
21.7750	.57	.57	.57	.57	.57
21.8375	.57	.57	.57	.57	.57
21.9000	.56	.56	.56	.56	.56
21.9625	.56	.56	.56	.56	.56
22.0250	.56	.56	.56	.56	.56
22.0875	.55	.55	.55	.55	.55
22.1500	.55	.55	.55	.55	.55
22.2125	.55	.55	.55	.55	.55
22.2750	.54	.54	.54	.54	.54
22.3375	.54	.54	.54	.54	.54
22.4000	.54	.54	.54	.54	.54
22.4625	.53	.53	.53	.53	.53
22.5250	.53	.53	.53	.53	.53
22.5875	.53	.53	.53	.53	.53
22.6500	.52	.52	.52	.52	.52
22.7125	.52	.52	.52	.52	.52
22.7750	.52	.52	.52	.52	.52
22.8375	.51	.51	.51	.51	.51
22.9000	.51	.51	.51	.51	.51
22.9625	.51	.51	.51	.51	.51
23.0250	.50	.50	.50	.50	.50
23.0875	.50	.50	.50	.50	.50
23.1500	.50	.50	.50	.50	.50
23.2125	.50	.49	.49	.49	.49
23.2750	.49	.49	.49	.49	.49
23.3375	.49	.49	.49	.49	.49
23.4000	.49	.48	.48	.48	.48
23.4625	.48	.48	.48	.48	.48
23.5250	.48	.48	.48	.48	.48

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5875	.48	.47	.47	.47	.47
23.6500	.47	.47	.47	.47	.47
23.7125	.47	.47	.47	.47	.47
23.7750	.47	.46	.46	.46	.46
23.8375	.46	.46	.46	.46	.46
23.9000	.46	.46	.46	.46	.46
23.9625	.45	.45	.45	.45	.45
24.0250	.45	.45	.45	.45	.44
24.0875	.44	.44	.44	.44	.44
24.1500	.43	.43	.43	.43	.43
24.2125	.42	.42	.42	.41	.41
24.2750	.41	.40	.40	.40	.39
24.3375	.39	.38	.38	.37	.37
24.4000	.36	.36	.35	.35	.34
24.4625	.34	.33	.33	.32	.31
24.5250	.31	.30	.30	.29	.28
24.5875	.28	.27	.27	.26	.25
24.6500	.25	.24	.24	.23	.22
24.7125	.22	.21	.21	.20	.20
24.7750	.19	.19	.18	.17	.17
24.8375	.16	.16	.15	.15	.15
24.9000	.14	.14	.13	.13	.12
24.9625	.12	.12	.11	.11	.11
25.0250	.10	.10	.10	.09	.09
25.0875	.09	.09	.08	.08	.08
25.1500	.08	.07	.07	.07	.07
25.2125	.07	.06	.06	.06	.06
25.2750	.06	.05	.05	.05	.05
25.3375	.05	.05	.04	.04	.04
25.4000	.04	.04	.04	.04	.04
25.4625	.04	.03	.03	.03	.03
25.5250	.03	.03	.03	.03	.03
25.5875	.03	.02	.02	.02	.02
25.6500	.02	.02	.02	.02	.02
25.7125	.02	.02	.02	.02	.02
25.7750	.02	.02	.01	.01	.01
25.8375	.01	.01	.01	.01	.01
25.9000	.01	.01	.01	.01	.01
25.9625	.01	.01	.01	.01	.01
26.0250	.01	.01	.01	.01	.01
26.0875	.01	.01	.01	.01	.01
26.1500	.01	.01	.01	.01	.01
26.2125	.01	.00	.00	.00	.00
26.2750	.00	.00	.00	.00	.00
26.3375	.00	.00	.00	.00	.00

Type.... Unit Hyd. (HYG output)

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Name.... D.A. CC-1 Tag: 100

Event: 100 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
26.4000	.00	.00	.00	.00	.00
26.4625	.00	.00	.00	.00	.00
26.5250	.00	.00	.00	.00	.00
26.5875	.00	.00	.00	.00	.00
26.6500	.00	.00	.00	.00	.00
26.7125	.00	.00	.00	.00	.00

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .200000 ft/ft

Avg.Velocity .20 ft/sec

Segment #1 Time: .1362 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 490.00 ft
Slope .290000 ft/ft
Unpaved

Avg.Velocity 8.69 ft/sec

Segment #2 Time: .0157 hrs

=====
Total Tc: .1519 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. CC-2

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	74	1.700	-----	-----	74.00

COMPOSITE AREA & WEIGHTED CN ---> 1.700 74.00 (74)
.....

Name... D.A. CC-2 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-2 2

Tc = .1519 hrs

Drainage Area = 1.700 acres Runoff CN= 74

```

=====
Computational Time Increment = .02025 hrs
Computed Peak Time          = 12.1321 hrs
Computed Peak Flow          = 1.98 cfs

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Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1374 hrs
Peak Flow, Interpolated Output = 1.98 cfs
=====

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DRAINAGE AREA

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ID:D.A. CC-2
CN = 74
Area = 1.700 acres
S = 3.5135 in
0.2S = .7027 in

```

Cumulative Runoff

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-----
1.2399 in
7652 cu.ft

```

HYG Volume... 7651 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .15190 hrs (ID: D.A. CC-2)
Computational Incr, Tm = .02025 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 12.68 cfs
Unit peak time Tp = .10127 hrs
Unit receding limb, Tr = .40508 hrs
Total unit time, Tb = .50635 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 2
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74
 Calc.Increment= .02025 hrs Out.Incr.= .0125 hrs
 HYG Volume = 7651 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

10.3500	.00	.00	.00	.00	.00
10.4125	.00	.00	.00	.00	.00
10.4750	.01	.01	.01	.01	.01
10.5375	.01	.01	.01	.01	.01
10.6000	.01	.01	.01	.01	.01
10.6625	.01	.01	.01	.02	.02
10.7250	.02	.02	.02	.02	.02
10.7875	.02	.02	.02	.02	.02
10.8500	.02	.02	.02	.03	.03
10.9125	.03	.03	.03	.03	.03
10.9750	.03	.03	.03	.03	.03
11.0375	.03	.04	.04	.04	.04
11.1000	.04	.04	.04	.04	.04
11.1625	.05	.05	.05	.05	.05
11.2250	.05	.05	.06	.06	.06
11.2875	.06	.06	.06	.07	.07
11.3500	.07	.07	.07	.08	.08
11.4125	.08	.08	.08	.09	.09
11.4750	.09	.09	.10	.10	.10
11.5375	.11	.11	.12	.12	.13
11.6000	.14	.14	.15	.16	.17
11.6625	.18	.20	.21	.23	.24
11.7250	.26	.28	.30	.32	.34
11.7875	.36	.38	.40	.43	.45
11.8500	.48	.50	.53	.56	.59
11.9125	.63	.67	.73	.79	.88
11.9750	.97	1.07	1.18	1.29	1.39
12.0375	1.49	1.58	1.66	1.74	1.81
12.1000	1.87	1.93	1.96	1.98	1.98
12.1625	1.94	1.89	1.82	1.75	1.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2250	1.61	1.54	1.47	1.42	1.36
12.2875	1.32	1.28	1.24	1.20	1.17
12.3500	1.13	1.10	1.06	1.03	.99
12.4125	.96	.93	.90	.87	.83
12.4750	.80	.76	.73	.70	.67
12.5375	.64	.61	.58	.56	.53
12.6000	.51	.49	.47	.45	.44
12.6625	.42	.41	.40	.40	.39
12.7250	.38	.38	.37	.37	.36
12.7875	.36	.35	.35	.34	.34
12.8500	.34	.33	.33	.32	.32
12.9125	.32	.31	.31	.31	.30
12.9750	.30	.29	.29	.29	.28
13.0375	.28	.28	.27	.27	.27
13.1000	.27	.26	.26	.26	.26
13.1625	.26	.25	.25	.25	.25
13.2250	.25	.25	.25	.25	.24
13.2875	.24	.24	.24	.24	.24
13.3500	.24	.24	.24	.24	.24
13.4125	.23	.23	.23	.23	.23
13.4750	.23	.23	.23	.23	.23
13.5375	.23	.22	.22	.22	.22
13.6000	.22	.22	.22	.22	.22
13.6625	.22	.22	.21	.21	.21
13.7250	.21	.21	.21	.21	.21
13.7875	.21	.21	.20	.20	.20
13.8500	.20	.20	.20	.20	.20
13.9125	.20	.20	.20	.19	.19
13.9750	.19	.19	.19	.19	.19
14.0375	.19	.19	.19	.18	.18
14.1000	.18	.18	.18	.18	.18
14.1625	.18	.18	.18	.18	.18
14.2250	.18	.18	.18	.18	.17
14.2875	.17	.17	.17	.17	.17
14.3500	.17	.17	.17	.17	.17
14.4125	.17	.17	.17	.17	.17
14.4750	.17	.17	.17	.17	.17
14.5375	.17	.16	.16	.16	.16
14.6000	.16	.16	.16	.16	.16
14.6625	.16	.16	.16	.16	.16
14.7250	.16	.16	.16	.16	.16
14.7875	.16	.16	.15	.15	.15
14.8500	.15	.15	.15	.15	.15
14.9125	.15	.15	.15	.15	.15
14.9750	.15	.15	.15	.15	.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0375	.15	.15	.14	.14	.14
15.1000	.14	.14	.14	.14	.14
15.1625	.14	.14	.14	.14	.14
15.2250	.14	.14	.14	.14	.14
15.2875	.14	.14	.13	.13	.13
15.3500	.13	.13	.13	.13	.13
15.4125	.13	.13	.13	.13	.13
15.4750	.13	.13	.13	.13	.13
15.5375	.13	.12	.12	.12	.12
15.6000	.12	.12	.12	.12	.12
15.6625	.12	.12	.12	.12	.12
15.7250	.12	.12	.12	.12	.12
15.7875	.12	.11	.11	.11	.11
15.8500	.11	.11	.11	.11	.11
15.9125	.11	.11	.11	.11	.11
15.9750	.11	.11	.11	.11	.11
16.0375	.10	.10	.10	.10	.10
16.1000	.10	.10	.10	.10	.10
16.1625	.10	.10	.10	.10	.10
16.2250	.10	.10	.10	.10	.10
16.2875	.10	.10	.10	.10	.10
16.3500	.10	.10	.10	.10	.10
16.4125	.10	.10	.10	.09	.09
16.4750	.09	.09	.09	.09	.09
16.5375	.09	.09	.09	.09	.09
16.6000	.09	.09	.09	.09	.09
16.6625	.09	.09	.09	.09	.09
16.7250	.09	.09	.09	.09	.09
16.7875	.09	.09	.09	.09	.09
16.8500	.09	.09	.09	.09	.09
16.9125	.09	.09	.09	.09	.09
16.9750	.09	.09	.08	.08	.08
17.0375	.08	.08	.08	.08	.08
17.1000	.08	.08	.08	.08	.08
17.1625	.08	.08	.08	.08	.08
17.2250	.08	.08	.08	.08	.08
17.2875	.08	.08	.08	.08	.08
17.3500	.08	.08	.08	.08	.08
17.4125	.08	.08	.08	.08	.08
17.4750	.08	.08	.08	.08	.08
17.5375	.07	.07	.07	.07	.07
17.6000	.07	.07	.07	.07	.07
17.6625	.07	.07	.07	.07	.07
17.7250	.07	.07	.07	.07	.07
17.7875	.07	.07	.07	.07	.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8500	.07	.07	.07	.07	.07
17.9125	.07	.07	.07	.07	.07
17.9750	.07	.07	.07	.07	.07
18.0375	.07	.07	.06	.06	.06
18.1000	.06	.06	.06	.06	.06
18.1625	.06	.06	.06	.06	.06
18.2250	.06	.06	.06	.06	.06
18.2875	.06	.06	.06	.06	.06
18.3500	.06	.06	.06	.06	.06
18.4125	.06	.06	.06	.06	.06
18.4750	.06	.06	.06	.06	.06
18.5375	.06	.06	.06	.06	.06
18.6000	.06	.06	.06	.06	.06
18.6625	.06	.06	.06	.06	.06
18.7250	.06	.06	.06	.06	.06
18.7875	.06	.06	.06	.06	.06
18.8500	.06	.06	.06	.06	.06
18.9125	.06	.06	.06	.06	.06
18.9750	.06	.06	.06	.06	.06
19.0375	.06	.06	.06	.06	.06
19.1000	.06	.06	.06	.06	.06
19.1625	.06	.06	.06	.06	.06
19.2250	.06	.06	.06	.06	.06
19.2875	.06	.06	.06	.06	.06
19.3500	.06	.06	.06	.06	.06
19.4125	.06	.06	.06	.06	.06
19.4750	.06	.06	.06	.06	.06
19.5375	.06	.06	.06	.06	.06
19.6000	.06	.06	.06	.06	.06
19.6625	.06	.06	.06	.05	.05
19.7250	.05	.05	.05	.05	.05
19.7875	.05	.05	.05	.05	.05
19.8500	.05	.05	.05	.05	.05
19.9125	.05	.05	.05	.05	.05
19.9750	.05	.05	.05	.05	.05
20.0375	.05	.05	.05	.05	.05
20.1000	.05	.05	.05	.05	.05
20.1625	.05	.05	.05	.05	.05
20.2250	.05	.05	.05	.05	.05
20.2875	.05	.05	.05	.05	.05
20.3500	.05	.05	.05	.05	.05
20.4125	.05	.05	.05	.05	.05
20.4750	.05	.05	.05	.05	.05
20.5375	.05	.05	.05	.05	.05
20.6000	.05	.05	.05	.05	.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.6625	.05	.05	.05	.05	.05
20.7250	.05	.05	.05	.05	.05
20.7875	.05	.05	.05	.05	.05
20.8500	.05	.05	.05	.05	.05
20.9125	.05	.05	.05	.05	.05
20.9750	.05	.05	.05	.05	.05
21.0375	.05	.05	.05	.05	.05
21.1000	.05	.05	.05	.05	.05
21.1625	.05	.05	.05	.05	.05
21.2250	.05	.05	.05	.05	.05
21.2875	.05	.05	.05	.05	.05
21.3500	.05	.05	.05	.05	.05
21.4125	.05	.05	.05	.05	.05
21.4750	.05	.05	.05	.05	.05
21.5375	.05	.05	.05	.05	.05
21.6000	.05	.05	.05	.05	.05
21.6625	.05	.05	.05	.05	.05
21.7250	.05	.05	.05	.05	.05
21.7875	.05	.05	.05	.05	.05
21.8500	.05	.05	.05	.05	.05
21.9125	.05	.04	.04	.04	.04
21.9750	.04	.04	.04	.04	.04
22.0375	.04	.04	.04	.04	.04
22.1000	.04	.04	.04	.04	.04
22.1625	.04	.04	.04	.04	.04
22.2250	.04	.04	.04	.04	.04
22.2875	.04	.04	.04	.04	.04
22.3500	.04	.04	.04	.04	.04
22.4125	.04	.04	.04	.04	.04
22.4750	.04	.04	.04	.04	.04
22.5375	.04	.04	.04	.04	.04
22.6000	.04	.04	.04	.04	.04
22.6625	.04	.04	.04	.04	.04
22.7250	.04	.04	.04	.04	.04
22.7875	.04	.04	.04	.04	.04
22.8500	.04	.04	.04	.04	.04
22.9125	.04	.04	.04	.04	.04
22.9750	.04	.04	.04	.04	.04
23.0375	.04	.04	.04	.04	.04
23.1000	.04	.04	.04	.04	.04
23.1625	.04	.04	.04	.04	.04
23.2250	.04	.04	.04	.04	.04
23.2875	.04	.04	.04	.04	.04
23.3500	.04	.04	.04	.04	.04
23.4125	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.4750	.04	.04	.04	.04	.04
23.5375	.04	.04	.04	.04	.04
23.6000	.04	.04	.04	.04	.04
23.6625	.04	.04	.04	.04	.04
23.7250	.04	.04	.04	.04	.04
23.7875	.04	.04	.04	.04	.04
23.8500	.04	.04	.04	.04	.04
23.9125	.04	.04	.04	.04	.04
23.9750	.04	.04	.04	.04	.03
24.0375	.03	.03	.03	.03	.02
24.1000	.02	.02	.01	.01	.01
24.1625	.01	.01	.00	.00	.00
24.2250	.00	.00	.00	.00	.00
24.2875	.00				

Name... D.A. CC-2 Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 10
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74

=====
 Computational Time Increment = .02025 hrs
 Computed Peak Time = 12.1321 hrs
 Computed Peak Flow = 4.55 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1374 hrs
 Peak Flow, Interpolated Output = 4.54 cfs
 =====

DRAINAGE AREA

 ID:D.A. CC-2
 CN = 74
 Area = 1.700 acres
 S = 3.5135 in
 0.2S = .7027 in

Cumulative Runoff

 2.7692 in
 17089 cu.ft

HYG Volume... 17088 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .15190 hrs (ID: D.A. CC-2)
 Computational Incr, Tm = .02025 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 12.68 cfs
 Unit peak time Tp = .10127 hrs
 Unit receding limb, Tr = .40508 hrs
 Total unit time, Tb = .50635 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 10
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74
 Calc.Increment= .02025 hrs Out.Incr.= .0125 hrs
 HYG Volume = 17088 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.6000	.00	.00	.00	.00	.00
8.6625	.00	.00	.00	.00	.00
8.7250	.00	.00	.00	.01	.01
8.7875	.01	.01	.01	.01	.01
8.8500	.01	.01	.01	.01	.01
8.9125	.01	.01	.01	.01	.01
8.9750	.01	.01	.01	.01	.02
9.0375	.02	.02	.02	.02	.02
9.1000	.02	.02	.02	.02	.02
9.1625	.02	.02	.02	.02	.02
9.2250	.02	.02	.03	.03	.03
9.2875	.03	.03	.03	.03	.03
9.3500	.03	.03	.03	.03	.03
9.4125	.03	.03	.03	.04	.04
9.4750	.04	.04	.04	.04	.04
9.5375	.04	.04	.04	.04	.04
9.6000	.04	.04	.05	.05	.05
9.6625	.05	.05	.05	.05	.05
9.7250	.05	.05	.05	.05	.05
9.7875	.05	.06	.06	.06	.06
9.8500	.06	.06	.06	.06	.06
9.9125	.06	.06	.06	.07	.07
9.9750	.07	.07	.07	.07	.07
10.0375	.07	.07	.07	.07	.08
10.1000	.08	.08	.08	.08	.08
10.1625	.08	.08	.08	.09	.09
10.2250	.09	.09	.09	.09	.09
10.2875	.09	.10	.10	.10	.10
10.3500	.10	.10	.10	.10	.11
10.4125	.11	.11	.11	.11	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.4750	.11	.12	.12	.12	.12
10.5375	.12	.12	.12	.13	.13
10.6000	.13	.13	.13	.13	.14
10.6625	.14	.14	.14	.14	.14
10.7250	.15	.15	.15	.15	.15
10.7875	.15	.16	.16	.16	.16
10.8500	.16	.16	.17	.17	.17
10.9125	.17	.17	.18	.18	.18
10.9750	.18	.18	.18	.19	.19
11.0375	.19	.19	.20	.20	.20
11.1000	.20	.21	.21	.21	.22
11.1625	.22	.23	.23	.23	.24
11.2250	.24	.25	.25	.26	.26
11.2875	.27	.27	.28	.28	.29
11.3500	.29	.30	.30	.31	.32
11.4125	.32	.33	.33	.34	.34
11.4750	.35	.36	.36	.37	.38
11.5375	.39	.40	.42	.44	.46
11.6000	.48	.50	.52	.55	.58
11.6625	.62	.66	.70	.74	.79
11.7250	.83	.88	.93	.98	1.03
11.7875	1.09	1.14	1.20	1.26	1.31
11.8500	1.37	1.44	1.51	1.57	1.65
11.9125	1.72	1.82	1.95	2.10	2.30
11.9750	2.51	2.75	2.99	3.23	3.45
12.0375	3.66	3.85	4.01	4.16	4.29
12.1000	4.39	4.49	4.53	4.54	4.50
12.1625	4.39	4.25	4.08	3.90	3.72
12.2250	3.54	3.37	3.22	3.08	2.96
12.2875	2.85	2.75	2.65	2.57	2.48
12.3500	2.40	2.32	2.24	2.16	2.09
12.4125	2.02	1.95	1.88	1.80	1.73
12.4750	1.66	1.58	1.51	1.44	1.38
12.5375	1.31	1.26	1.20	1.14	1.09
12.6000	1.04	1.00	.96	.93	.90
12.6625	.87	.85	.83	.81	.79
12.7250	.78	.77	.76	.74	.73
12.7875	.72	.71	.71	.70	.69
12.8500	.68	.67	.66	.66	.65
12.9125	.64	.63	.62	.62	.61
12.9750	.60	.59	.59	.58	.57
13.0375	.56	.56	.55	.55	.54
13.1000	.53	.53	.52	.52	.52
13.1625	.51	.51	.51	.50	.50
13.2250	.50	.50	.49	.49	.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.2875	.49	.49	.48	.48	.48
13.3500	.48	.48	.47	.47	.47
13.4125	.47	.47	.46	.46	.46
13.4750	.46	.46	.45	.45	.45
13.5375	.45	.45	.44	.44	.44
13.6000	.44	.44	.43	.43	.43
13.6625	.43	.43	.42	.42	.42
13.7250	.42	.42	.41	.41	.41
13.7875	.41	.41	.40	.40	.40
13.8500	.40	.40	.39	.39	.39
13.9125	.39	.39	.38	.38	.38
13.9750	.38	.38	.37	.37	.37
14.0375	.37	.37	.36	.36	.36
14.1000	.36	.36	.36	.35	.35
14.1625	.35	.35	.35	.35	.35
14.2250	.35	.35	.34	.34	.34
14.2875	.34	.34	.34	.34	.34
14.3500	.34	.34	.33	.33	.33
14.4125	.33	.33	.33	.33	.33
14.4750	.33	.33	.33	.32	.32
14.5375	.32	.32	.32	.32	.32
14.6000	.32	.32	.32	.31	.31
14.6625	.31	.31	.31	.31	.31
14.7250	.31	.31	.31	.30	.30
14.7875	.30	.30	.30	.30	.30
14.8500	.30	.30	.30	.29	.29
14.9125	.29	.29	.29	.29	.29
14.9750	.29	.29	.29	.28	.28
15.0375	.28	.28	.28	.28	.28
15.1000	.28	.28	.28	.27	.27
15.1625	.27	.27	.27	.27	.27
15.2250	.27	.27	.27	.26	.26
15.2875	.26	.26	.26	.26	.26
15.3500	.26	.26	.26	.25	.25
15.4125	.25	.25	.25	.25	.25
15.4750	.25	.25	.25	.24	.24
15.5375	.24	.24	.24	.24	.24
15.6000	.24	.24	.24	.23	.23
15.6625	.23	.23	.23	.23	.23
15.7250	.23	.23	.22	.22	.22
15.7875	.22	.22	.22	.22	.22
15.8500	.22	.22	.21	.21	.21
15.9125	.21	.21	.21	.21	.21
15.9750	.21	.20	.20	.20	.20
16.0375	.20	.20	.20	.20	.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.1000	.20	.20	.20	.19	.19
16.1625	.19	.19	.19	.19	.19
16.2250	.19	.19	.19	.19	.19
16.2875	.19	.19	.19	.19	.19
16.3500	.19	.19	.18	.18	.18
16.4125	.18	.18	.18	.18	.18
16.4750	.18	.18	.18	.18	.18
16.5375	.18	.18	.18	.18	.18
16.6000	.18	.18	.18	.18	.17
16.6625	.17	.17	.17	.17	.17
16.7250	.17	.17	.17	.17	.17
16.7875	.17	.17	.17	.17	.17
16.8500	.17	.17	.17	.17	.17
16.9125	.17	.17	.16	.16	.16
16.9750	.16	.16	.16	.16	.16
17.0375	.16	.16	.16	.16	.16
17.1000	.16	.16	.16	.16	.16
17.1625	.16	.16	.16	.16	.15
17.2250	.15	.15	.15	.15	.15
17.2875	.15	.15	.15	.15	.15
17.3500	.15	.15	.15	.15	.15
17.4125	.15	.15	.15	.15	.15
17.4750	.14	.14	.14	.14	.14
17.5375	.14	.14	.14	.14	.14
17.6000	.14	.14	.14	.14	.14
17.6625	.14	.14	.14	.14	.14
17.7250	.14	.14	.14	.13	.13
17.7875	.13	.13	.13	.13	.13
17.8500	.13	.13	.13	.13	.13
17.9125	.13	.13	.13	.13	.13
17.9750	.13	.13	.13	.13	.12
18.0375	.12	.12	.12	.12	.12
18.1000	.12	.12	.12	.12	.12
18.1625	.12	.12	.12	.12	.12
18.2250	.12	.12	.12	.12	.12
18.2875	.12	.12	.12	.12	.12
18.3500	.12	.12	.12	.12	.12
18.4125	.12	.12	.12	.12	.12
18.4750	.12	.12	.12	.12	.12
18.5375	.12	.12	.12	.12	.12
18.6000	.12	.12	.12	.12	.12
18.6625	.12	.12	.12	.11	.11
18.7250	.11	.11	.11	.11	.11
18.7875	.11	.11	.11	.11	.11
18.8500	.11	.11	.11	.11	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.9125	.11	.11	.11	.11	.11
18.9750	.11	.11	.11	.11	.11
19.0375	.11	.11	.11	.11	.11
19.1000	.11	.11	.11	.11	.11
19.1625	.11	.11	.11	.11	.11
19.2250	.11	.11	.11	.11	.11
19.2875	.11	.11	.11	.11	.11
19.3500	.11	.11	.11	.11	.11
19.4125	.11	.11	.11	.11	.11
19.4750	.11	.11	.11	.11	.11
19.5375	.11	.11	.11	.11	.11
19.6000	.11	.10	.10	.10	.10
19.6625	.10	.10	.10	.10	.10
19.7250	.10	.10	.10	.10	.10
19.7875	.10	.10	.10	.10	.10
19.8500	.10	.10	.10	.10	.10
19.9125	.10	.10	.10	.10	.10
19.9750	.10	.10	.10	.10	.10
20.0375	.10	.10	.10	.10	.10
20.1000	.10	.10	.10	.10	.10
20.1625	.10	.10	.10	.10	.10
20.2250	.10	.10	.10	.10	.10
20.2875	.10	.10	.10	.10	.10
20.3500	.10	.10	.10	.10	.10
20.4125	.10	.10	.10	.10	.10
20.4750	.10	.10	.10	.10	.10
20.5375	.10	.10	.10	.10	.10
20.6000	.10	.10	.10	.10	.10
20.6625	.09	.09	.09	.09	.09
20.7250	.09	.09	.09	.09	.09
20.7875	.09	.09	.09	.09	.09
20.8500	.09	.09	.09	.09	.09
20.9125	.09	.09	.09	.09	.09
20.9750	.09	.09	.09	.09	.09
21.0375	.09	.09	.09	.09	.09
21.1000	.09	.09	.09	.09	.09
21.1625	.09	.09	.09	.09	.09
21.2250	.09	.09	.09	.09	.09
21.2875	.09	.09	.09	.09	.09
21.3500	.09	.09	.09	.09	.09
21.4125	.09	.09	.09	.09	.09
21.4750	.09	.09	.09	.09	.09
21.5375	.09	.09	.09	.09	.09
21.6000	.09	.09	.09	.09	.09
21.6625	.09	.09	.09	.09	.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
21.7250	.09	.09	.09	.09	.09
21.7875	.09	.09	.09	.09	.09
21.8500	.09	.09	.09	.08	.08
21.9125	.08	.08	.08	.08	.08
21.9750	.08	.08	.08	.08	.08
22.0375	.08	.08	.08	.08	.08
22.1000	.08	.08	.08	.08	.08
22.1625	.08	.08	.08	.08	.08
22.2250	.08	.08	.08	.08	.08
22.2875	.08	.08	.08	.08	.08
22.3500	.08	.08	.08	.08	.08
22.4125	.08	.08	.08	.08	.08
22.4750	.08	.08	.08	.08	.08
22.5375	.08	.08	.08	.08	.08
22.6000	.08	.08	.08	.08	.08
22.6625	.08	.08	.08	.08	.08
22.7250	.08	.08	.08	.08	.08
22.7875	.08	.08	.08	.08	.08
22.8500	.08	.08	.08	.08	.08
22.9125	.08	.08	.08	.08	.08
22.9750	.08	.08	.08	.08	.08
23.0375	.08	.07	.07	.07	.07
23.1000	.07	.07	.07	.07	.07
23.1625	.07	.07	.07	.07	.07
23.2250	.07	.07	.07	.07	.07
23.2875	.07	.07	.07	.07	.07
23.3500	.07	.07	.07	.07	.07
23.4125	.07	.07	.07	.07	.07
23.4750	.07	.07	.07	.07	.07
23.5375	.07	.07	.07	.07	.07
23.6000	.07	.07	.07	.07	.07
23.6625	.07	.07	.07	.07	.07
23.7250	.07	.07	.07	.07	.07
23.7875	.07	.07	.07	.07	.07
23.8500	.07	.07	.07	.07	.07
23.9125	.07	.07	.07	.07	.07
23.9750	.07	.07	.07	.07	.06
24.0375	.06	.06	.06	.05	.04
24.1000	.04	.03	.03	.02	.02
24.1625	.01	.01	.01	.01	.01
24.2250	.01	.00	.00	.00	.00
24.2875	.00	.00	.00	.00	.00

Name... D.A. CC-2 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 25
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74

=====
 Computational Time Increment = .02025 hrs
 Computed Peak Time = 12.1321 hrs
 Computed Peak Flow = 5.93 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1249 hrs
 Peak Flow, Interpolated Output = 5.91 cfs
 =====

DRAINAGE AREA

 ID:D.A. CC-2
 CN = 74
 Area = 1.700 acres
 S = 3.5135 in
 0.2S = .7027 in

Cumulative Runoff

 3.6096 in
 22275 cu.ft

HYG Volume... 22275 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .15190 hrs (ID: D.A. CC-2)
 Computational Incr, Tm = .02025 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 12.68 cfs
 Unit peak time Tp = .10127 hrs
 Unit receding limb, Tr = .40508 hrs
 Total unit time, Tb = .50635 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 25
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74
 Calc.Increment= .02025 hrs Out.Incr.= .0125 hrs
 HYG Volume = 22275 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.01
8.0875	.01	.01	.01	.01	.01
8.1500	.01	.01	.01	.01	.01
8.2125	.01	.01	.01	.01	.01
8.2750	.01	.01	.01	.01	.01
8.3375	.01	.01	.01	.01	.02
8.4000	.02	.02	.02	.02	.02
8.4625	.02	.02	.02	.02	.02
8.5250	.02	.02	.02	.02	.02
8.5875	.02	.02	.02	.03	.03
8.6500	.03	.03	.03	.03	.03
8.7125	.03	.03	.03	.03	.03
8.7750	.03	.03	.03	.03	.04
8.8375	.04	.04	.04	.04	.04
8.9000	.04	.04	.04	.04	.04
8.9625	.04	.04	.04	.05	.05
9.0250	.05	.05	.05	.05	.05
9.0875	.05	.05	.05	.05	.05
9.1500	.05	.06	.06	.06	.06
9.2125	.06	.06	.06	.06	.06
9.2750	.06	.06	.06	.07	.07
9.3375	.07	.07	.07	.07	.07
9.4000	.07	.07	.07	.07	.08
9.4625	.08	.08	.08	.08	.08
9.5250	.08	.08	.08	.08	.09
9.5875	.09	.09	.09	.09	.09
9.6500	.09	.09	.09	.09	.10
9.7125	.10	.10	.10	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.7750	.10	.10	.10	.10	.11
9.8375	.11	.11	.11	.11	.11
9.9000	.11	.11	.11	.12	.12
9.9625	.12	.12	.12	.12	.12
10.0250	.12	.13	.13	.13	.13
10.0875	.13	.13	.13	.13	.14
10.1500	.14	.14	.14	.14	.14
10.2125	.15	.15	.15	.15	.15
10.2750	.15	.16	.16	.16	.16
10.3375	.16	.17	.17	.17	.17
10.4000	.17	.17	.18	.18	.18
10.4625	.18	.18	.19	.19	.19
10.5250	.19	.19	.20	.20	.20
10.5875	.20	.20	.21	.21	.21
10.6500	.21	.22	.22	.22	.22
10.7125	.22	.23	.23	.23	.23
10.7750	.24	.24	.24	.24	.24
10.8375	.25	.25	.25	.25	.26
10.9000	.26	.26	.26	.27	.27
10.9625	.27	.27	.28	.28	.28
11.0250	.28	.29	.29	.29	.30
11.0875	.30	.31	.31	.31	.32
11.1500	.32	.33	.33	.34	.35
11.2125	.35	.36	.36	.37	.38
11.2750	.39	.39	.40	.41	.41
11.3375	.42	.43	.43	.44	.45
11.4000	.46	.46	.47	.48	.49
11.4625	.50	.50	.51	.52	.53
11.5250	.54	.56	.57	.60	.62
11.5875	.65	.68	.71	.74	.78
11.6500	.82	.87	.93	.98	1.04
11.7125	1.10	1.16	1.22	1.29	1.36
11.7750	1.43	1.51	1.58	1.65	1.73
11.8375	1.81	1.88	1.97	2.06	2.14
11.9000	2.24	2.34	2.47	2.63	2.82
11.9625	3.09	3.37	3.67	3.98	4.29
12.0250	4.58	4.84	5.09	5.28	5.47
12.0875	5.62	5.75	5.86	5.91	5.91
12.1500	5.84	5.69	5.51	5.28	5.04
12.2125	4.80	4.57	4.34	4.14	3.96
12.2750	3.80	3.65	3.52	3.40	3.28
12.3375	3.17	3.07	2.96	2.86	2.76
12.4000	2.66	2.57	2.48	2.39	2.29
12.4625	2.20	2.10	2.01	1.91	1.83
12.5250	1.74	1.66	1.59	1.52	1.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.5875	1.38	1.32	1.27	1.22	1.17
12.6500	1.13	1.10	1.07	1.04	1.02
12.7125	1.00	.98	.97	.95	.94
12.7750	.93	.91	.90	.89	.88
12.8375	.87	.86	.85	.84	.83
12.9000	.82	.81	.80	.79	.78
12.9625	.77	.76	.75	.74	.73
13.0250	.72	.71	.70	.69	.69
13.0875	.68	.67	.67	.66	.65
13.1500	.65	.64	.64	.64	.63
13.2125	.63	.63	.62	.62	.62
13.2750	.61	.61	.61	.61	.60
13.3375	.60	.60	.60	.59	.59
13.4000	.59	.59	.58	.58	.58
13.4625	.58	.57	.57	.57	.57
13.5250	.56	.56	.56	.56	.55
13.5875	.55	.55	.55	.54	.54
13.6500	.54	.54	.53	.53	.53
13.7125	.53	.52	.52	.52	.52
13.7750	.51	.51	.51	.51	.50
13.8375	.50	.50	.50	.49	.49
13.9000	.49	.49	.48	.48	.48
13.9625	.48	.47	.47	.47	.47
14.0250	.46	.46	.46	.46	.45
14.0875	.45	.45	.45	.45	.44
14.1500	.44	.44	.44	.44	.44
14.2125	.43	.43	.43	.43	.43
14.2750	.43	.43	.43	.42	.42
14.3375	.42	.42	.42	.42	.42
14.4000	.42	.41	.41	.41	.41
14.4625	.41	.41	.41	.41	.40
14.5250	.40	.40	.40	.40	.40
14.5875	.40	.40	.39	.39	.39
14.6500	.39	.39	.39	.39	.39
14.7125	.38	.38	.38	.38	.38
14.7750	.38	.38	.38	.38	.37
14.8375	.37	.37	.37	.37	.37
14.9000	.37	.36	.36	.36	.36
14.9625	.36	.36	.36	.36	.36
15.0250	.35	.35	.35	.35	.35
15.0875	.35	.35	.34	.34	.34
15.1500	.34	.34	.34	.34	.34
15.2125	.33	.33	.33	.33	.33
15.2750	.33	.33	.33	.32	.32
15.3375	.32	.32	.32	.32	.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4000	.32	.31	.31	.31	.31
15.4625	.31	.31	.31	.31	.30
15.5250	.30	.30	.30	.30	.30
15.5875	.30	.30	.29	.29	.29
15.6500	.29	.29	.29	.29	.28
15.7125	.28	.28	.28	.28	.28
15.7750	.28	.28	.27	.27	.27
15.8375	.27	.27	.27	.27	.27
15.9000	.26	.26	.26	.26	.26
15.9625	.26	.26	.25	.25	.25
16.0250	.25	.25	.25	.25	.25
16.0875	.25	.24	.24	.24	.24
16.1500	.24	.24	.24	.24	.24
16.2125	.24	.24	.24	.24	.23
16.2750	.23	.23	.23	.23	.23
16.3375	.23	.23	.23	.23	.23
16.4000	.23	.23	.23	.23	.23
16.4625	.23	.23	.22	.22	.22
16.5250	.22	.22	.22	.22	.22
16.5875	.22	.22	.22	.22	.22
16.6500	.22	.22	.22	.22	.22
16.7125	.21	.21	.21	.21	.21
16.7750	.21	.21	.21	.21	.21
16.8375	.21	.21	.21	.21	.21
16.9000	.21	.21	.21	.20	.20
16.9625	.20	.20	.20	.20	.20
17.0250	.20	.20	.20	.20	.20
17.0875	.20	.20	.20	.20	.20
17.1500	.19	.19	.19	.19	.19
17.2125	.19	.19	.19	.19	.19
17.2750	.19	.19	.19	.19	.19
17.3375	.19	.19	.19	.18	.18
17.4000	.18	.18	.18	.18	.18
17.4625	.18	.18	.18	.18	.18
17.5250	.18	.18	.18	.18	.18
17.5875	.17	.17	.17	.17	.17
17.6500	.17	.17	.17	.17	.17
17.7125	.17	.17	.17	.17	.17
17.7750	.17	.17	.16	.16	.16
17.8375	.16	.16	.16	.16	.16
17.9000	.16	.16	.16	.16	.16
17.9625	.16	.16	.16	.16	.16
18.0250	.15	.15	.15	.15	.15
18.0875	.15	.15	.15	.15	.15
18.1500	.15	.15	.15	.15	.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2125	.15	.15	.15	.15	.15
18.2750	.15	.15	.15	.15	.15
18.3375	.15	.15	.15	.15	.15
18.4000	.15	.15	.15	.15	.15
18.4625	.15	.15	.15	.15	.14
18.5250	.14	.14	.14	.14	.14
18.5875	.14	.14	.14	.14	.14
18.6500	.14	.14	.14	.14	.14
18.7125	.14	.14	.14	.14	.14
18.7750	.14	.14	.14	.14	.14
18.8375	.14	.14	.14	.14	.14
18.9000	.14	.14	.14	.14	.14
18.9625	.14	.14	.14	.14	.14
19.0250	.14	.14	.14	.14	.14
19.0875	.14	.14	.14	.14	.14
19.1500	.14	.14	.14	.14	.14
19.2125	.14	.14	.14	.13	.13
19.2750	.13	.13	.13	.13	.13
19.3375	.13	.13	.13	.13	.13
19.4000	.13	.13	.13	.13	.13
19.4625	.13	.13	.13	.13	.13
19.5250	.13	.13	.13	.13	.13
19.5875	.13	.13	.13	.13	.13
19.6500	.13	.13	.13	.13	.13
19.7125	.13	.13	.13	.13	.13
19.7750	.13	.13	.13	.13	.13
19.8375	.13	.13	.13	.13	.13
19.9000	.13	.13	.13	.13	.13
19.9625	.13	.12	.12	.12	.12
20.0250	.12	.12	.12	.12	.12
20.0875	.12	.12	.12	.12	.12
20.1500	.12	.12	.12	.12	.12
20.2125	.12	.12	.12	.12	.12
20.2750	.12	.12	.12	.12	.12
20.3375	.12	.12	.12	.12	.12
20.4000	.12	.12	.12	.12	.12
20.4625	.12	.12	.12	.12	.12
20.5250	.12	.12	.12	.12	.12
20.5875	.12	.12	.12	.12	.12
20.6500	.12	.12	.12	.12	.12
20.7125	.12	.12	.12	.12	.12
20.7750	.12	.12	.12	.12	.12
20.8375	.12	.12	.12	.12	.12
20.9000	.11	.11	.11	.11	.11
20.9625	.11	.11	.11	.11	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0250	.11	.11	.11	.11	.11
21.0875	.11	.11	.11	.11	.11
21.1500	.11	.11	.11	.11	.11
21.2125	.11	.11	.11	.11	.11
21.2750	.11	.11	.11	.11	.11
21.3375	.11	.11	.11	.11	.11
21.4000	.11	.11	.11	.11	.11
21.4625	.11	.11	.11	.11	.11
21.5250	.11	.11	.11	.11	.11
21.5875	.11	.11	.11	.11	.11
21.6500	.11	.11	.11	.11	.11
21.7125	.11	.11	.11	.11	.11
21.7750	.11	.11	.11	.11	.11
21.8375	.11	.11	.11	.11	.11
21.9000	.10	.10	.10	.10	.10
21.9625	.10	.10	.10	.10	.10
22.0250	.10	.10	.10	.10	.10
22.0875	.10	.10	.10	.10	.10
22.1500	.10	.10	.10	.10	.10
22.2125	.10	.10	.10	.10	.10
22.2750	.10	.10	.10	.10	.10
22.3375	.10	.10	.10	.10	.10
22.4000	.10	.10	.10	.10	.10
22.4625	.10	.10	.10	.10	.10
22.5250	.10	.10	.10	.10	.10
22.5875	.10	.10	.10	.10	.10
22.6500	.10	.10	.10	.10	.10
22.7125	.10	.10	.10	.10	.10
22.7750	.10	.10	.10	.09	.09
22.8375	.09	.09	.09	.09	.09
22.9000	.09	.09	.09	.09	.09
22.9625	.09	.09	.09	.09	.09
23.0250	.09	.09	.09	.09	.09
23.0875	.09	.09	.09	.09	.09
23.1500	.09	.09	.09	.09	.09
23.2125	.09	.09	.09	.09	.09
23.2750	.09	.09	.09	.09	.09
23.3375	.09	.09	.09	.09	.09
23.4000	.09	.09	.09	.09	.09
23.4625	.09	.09	.09	.09	.09
23.5250	.09	.09	.09	.09	.09
23.5875	.09	.09	.09	.09	.09
23.6500	.09	.09	.09	.09	.09
23.7125	.09	.09	.09	.09	.09
23.7750	.08	.08	.08	.08	.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.8375	.08	.08	.08	.08	.08
23.9000	.08	.08	.08	.08	.08
23.9625	.08	.08	.08	.08	.08
24.0250	.08	.08	.07	.07	.06
24.0875	.05	.05	.04	.03	.03
24.1500	.02	.02	.01	.01	.01
24.2125	.01	.01	.01	.00	.00
24.2750	.00	.00	.00	.00	.00
24.3375	.00				

Name... D.A. CC-2 Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 50
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74

=====
 Computational Time Increment = .02025 hrs
 Computed Peak Time = 12.1321 hrs
 Computed Peak Flow = 6.63 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1249 hrs
 Peak Flow, Interpolated Output = 6.61 cfs
 =====

DRAINAGE AREA

 ID:D.A. CC-2
 CN = 74
 Area = 1.700 acres
 S = 3.5135 in
 0.2S = .7027 in

Cumulative Runoff

 4.0421 in
 24944 cu.ft

HYG Volume... 24943 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .15190 hrs (ID: D.A. CC-2)
 Computational Incr, Tm = .02025 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 12.68 cfs
 Unit peak time Tp = .10127 hrs
 Unit receding limb, Tr = .40508 hrs
 Total unit time, Tb = .50635 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-2 50
 Tc = .1519 hrs
 Drainage Area = 1.700 acres Runoff CN= 74
 Calc.Increment= .02025 hrs Out.Incr.= .0125 hrs
 HYG Volume = 24943 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.5750	.00	.00	.00	.00	.00
7.6375	.00	.00	.00	.00	.00
7.7000	.00	.00	.00	.00	.00
7.7625	.01	.01	.01	.01	.01
7.8250	.01	.01	.01	.01	.01
7.8875	.01	.01	.01	.01	.01
7.9500	.01	.01	.01	.01	.01
8.0125	.01	.01	.01	.01	.01
8.0750	.01	.02	.02	.02	.02
8.1375	.02	.02	.02	.02	.02
8.2000	.02	.02	.02	.02	.02
8.2625	.02	.02	.02	.02	.02
8.3250	.02	.03	.03	.03	.03
8.3875	.03	.03	.03	.03	.03
8.4500	.03	.03	.03	.03	.03
8.5125	.03	.03	.03	.04	.04
8.5750	.04	.04	.04	.04	.04
8.6375	.04	.04	.04	.04	.04
8.7000	.04	.04	.05	.05	.05
8.7625	.05	.05	.05	.05	.05
8.8250	.05	.05	.05	.05	.05
8.8875	.06	.06	.06	.06	.06
8.9500	.06	.06	.06	.06	.06
9.0125	.06	.06	.07	.07	.07
9.0750	.07	.07	.07	.07	.07
9.1375	.07	.07	.07	.08	.08
9.2000	.08	.08	.08	.08	.08
9.2625	.08	.08	.08	.09	.09
9.3250	.09	.09	.09	.09	.09
9.3875	.09	.09	.09	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4500	.10	.10	.10	.10	.10
9.5125	.10	.10	.11	.11	.11
9.5750	.11	.11	.11	.11	.11
9.6375	.11	.12	.12	.12	.12
9.7000	.12	.12	.12	.12	.13
9.7625	.13	.13	.13	.13	.13
9.8250	.13	.13	.14	.14	.14
9.8875	.14	.14	.14	.14	.14
9.9500	.15	.15	.15	.15	.15
10.0125	.15	.15	.15	.16	.16
10.0750	.16	.16	.16	.16	.17
10.1375	.17	.17	.17	.17	.17
10.2000	.18	.18	.18	.18	.18
10.2625	.19	.19	.19	.19	.19
10.3250	.20	.20	.20	.20	.20
10.3875	.21	.21	.21	.21	.22
10.4500	.22	.22	.22	.22	.23
10.5125	.23	.23	.23	.24	.24
10.5750	.24	.24	.25	.25	.25
10.6375	.25	.26	.26	.26	.26
10.7000	.27	.27	.27	.27	.28
10.7625	.28	.28	.28	.29	.29
10.8250	.29	.29	.30	.30	.30
10.8875	.30	.31	.31	.31	.31
10.9500	.32	.32	.32	.33	.33
11.0125	.33	.33	.34	.34	.35
11.0750	.35	.35	.36	.36	.37
11.1375	.37	.38	.39	.39	.40
11.2000	.41	.41	.42	.43	.43
11.2625	.44	.45	.46	.47	.47
11.3250	.48	.49	.50	.51	.51
11.3875	.52	.53	.54	.55	.56
11.4500	.57	.58	.58	.59	.60
11.5125	.61	.63	.64	.66	.69
11.5750	.72	.75	.78	.82	.86
11.6375	.90	.95	1.01	1.07	1.13
11.7000	1.20	1.26	1.33	1.40	1.48
11.7625	1.56	1.64	1.72	1.81	1.89
11.8250	1.97	2.06	2.15	2.24	2.34
11.8875	2.44	2.54	2.66	2.80	2.99
11.9500	3.20	3.49	3.80	4.15	4.49
12.0125	4.84	5.16	5.45	5.72	5.94
12.0750	6.14	6.31	6.45	6.56	6.61
12.1375	6.60	6.53	6.36	6.15	5.89
12.2000	5.62	5.34	5.08	4.83	4.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2625	4.41	4.22	4.06	3.91	3.77
12.3250	3.65	3.52	3.40	3.29	3.17
12.3875	3.06	2.95	2.85	2.74	2.64
12.4500	2.54	2.43	2.33	2.22	2.12
12.5125	2.02	1.93	1.84	1.76	1.68
12.5750	1.60	1.53	1.46	1.40	1.34
12.6375	1.29	1.25	1.21	1.18	1.15
12.7000	1.13	1.11	1.09	1.07	1.05
12.7625	1.04	1.02	1.01	.99	.98
12.8250	.97	.96	.95	.93	.92
12.8875	.91	.90	.89	.88	.87
12.9500	.86	.85	.84	.82	.81
13.0125	.80	.79	.78	.77	.77
13.0750	.76	.75	.74	.73	.73
13.1375	.72	.72	.71	.71	.70
13.2000	.70	.69	.69	.69	.68
13.2625	.68	.68	.67	.67	.67
13.3250	.67	.66	.66	.66	.65
13.3875	.65	.65	.65	.64	.64
13.4500	.64	.64	.63	.63	.63
13.5125	.62	.62	.62	.62	.61
13.5750	.61	.61	.61	.60	.60
13.6375	.60	.59	.59	.59	.59
13.7000	.58	.58	.58	.57	.57
13.7625	.57	.57	.56	.56	.56
13.8250	.55	.55	.55	.55	.54
13.8875	.54	.54	.53	.53	.53
13.9500	.53	.52	.52	.52	.51
14.0125	.51	.51	.51	.50	.50
14.0750	.50	.50	.49	.49	.49
14.1375	.49	.49	.48	.48	.48
14.2000	.48	.48	.48	.48	.47
14.2625	.47	.47	.47	.47	.47
14.3250	.47	.46	.46	.46	.46
14.3875	.46	.46	.46	.45	.45
14.4500	.45	.45	.45	.45	.45
14.5125	.45	.44	.44	.44	.44
14.5750	.44	.44	.44	.43	.43
14.6375	.43	.43	.43	.43	.43
14.7000	.42	.42	.42	.42	.42
14.7625	.42	.42	.41	.41	.41
14.8250	.41	.41	.41	.41	.41
14.8875	.40	.40	.40	.40	.40
14.9500	.40	.40	.39	.39	.39
15.0125	.39	.39	.39	.39	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0750	.38	.38	.38	.38	.38
15.1375	.38	.37	.37	.37	.37
15.2000	.37	.37	.37	.37	.36
15.2625	.36	.36	.36	.36	.36
15.3250	.36	.35	.35	.35	.35
15.3875	.35	.35	.35	.34	.34
15.4500	.34	.34	.34	.34	.34
15.5125	.33	.33	.33	.33	.33
15.5750	.33	.33	.32	.32	.32
15.6375	.32	.32	.32	.32	.31
15.7000	.31	.31	.31	.31	.31
15.7625	.31	.30	.30	.30	.30
15.8250	.30	.30	.30	.29	.29
15.8875	.29	.29	.29	.29	.29
15.9500	.28	.28	.28	.28	.28
16.0125	.28	.28	.27	.27	.27
16.0750	.27	.27	.27	.27	.27
16.1375	.27	.26	.26	.26	.26
16.2000	.26	.26	.26	.26	.26
16.2625	.26	.26	.26	.26	.26
16.3250	.25	.25	.25	.25	.25
16.3875	.25	.25	.25	.25	.25
16.4500	.25	.25	.25	.25	.25
16.5125	.25	.24	.24	.24	.24
16.5750	.24	.24	.24	.24	.24
16.6375	.24	.24	.24	.24	.24
16.7000	.24	.24	.23	.23	.23
16.7625	.23	.23	.23	.23	.23
16.8250	.23	.23	.23	.23	.23
16.8875	.23	.23	.23	.22	.22
16.9500	.22	.22	.22	.22	.22
17.0125	.22	.22	.22	.22	.22
17.0750	.22	.22	.22	.22	.21
17.1375	.21	.21	.21	.21	.21
17.2000	.21	.21	.21	.21	.21
17.2625	.21	.21	.21	.21	.21
17.3250	.20	.20	.20	.20	.20
17.3875	.20	.20	.20	.20	.20
17.4500	.20	.20	.20	.20	.20
17.5125	.20	.19	.19	.19	.19
17.5750	.19	.19	.19	.19	.19
17.6375	.19	.19	.19	.19	.19
17.7000	.19	.19	.18	.18	.18
17.7625	.18	.18	.18	.18	.18
17.8250	.18	.18	.18	.18	.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8875	.18	.18	.18	.17	.17
17.9500	.17	.17	.17	.17	.17
18.0125	.17	.17	.17	.17	.17
18.0750	.17	.17	.17	.17	.17
18.1375	.16	.16	.16	.16	.16
18.2000	.16	.16	.16	.16	.16
18.2625	.16	.16	.16	.16	.16
18.3250	.16	.16	.16	.16	.16
18.3875	.16	.16	.16	.16	.16
18.4500	.16	.16	.16	.16	.16
18.5125	.16	.16	.16	.16	.16
18.5750	.16	.16	.16	.16	.16
18.6375	.16	.16	.16	.16	.16
18.7000	.16	.16	.16	.16	.16
18.7625	.16	.15	.15	.15	.15
18.8250	.15	.15	.15	.15	.15
18.8875	.15	.15	.15	.15	.15
18.9500	.15	.15	.15	.15	.15
19.0125	.15	.15	.15	.15	.15
19.0750	.15	.15	.15	.15	.15
19.1375	.15	.15	.15	.15	.15
19.2000	.15	.15	.15	.15	.15
19.2625	.15	.15	.15	.15	.15
19.3250	.15	.15	.15	.15	.15
19.3875	.15	.15	.15	.15	.15
19.4500	.14	.14	.14	.14	.14
19.5125	.14	.14	.14	.14	.14
19.5750	.14	.14	.14	.14	.14
19.6375	.14	.14	.14	.14	.14
19.7000	.14	.14	.14	.14	.14
19.7625	.14	.14	.14	.14	.14
19.8250	.14	.14	.14	.14	.14
19.8875	.14	.14	.14	.14	.14
19.9500	.14	.14	.14	.14	.14
20.0125	.14	.14	.14	.14	.14
20.0750	.14	.14	.13	.13	.13
20.1375	.13	.13	.13	.13	.13
20.2000	.13	.13	.13	.13	.13
20.2625	.13	.13	.13	.13	.13
20.3250	.13	.13	.13	.13	.13
20.3875	.13	.13	.13	.13	.13
20.4500	.13	.13	.13	.13	.13
20.5125	.13	.13	.13	.13	.13
20.5750	.13	.13	.13	.13	.13
20.6375	.13	.13	.13	.13	.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7000	.13	.13	.13	.13	.13
20.7625	.13	.13	.13	.13	.13
20.8250	.13	.13	.13	.13	.13
20.8875	.13	.13	.13	.13	.13
20.9500	.13	.13	.13	.12	.12
21.0125	.12	.12	.12	.12	.12
21.0750	.12	.12	.12	.12	.12
21.1375	.12	.12	.12	.12	.12
21.2000	.12	.12	.12	.12	.12
21.2625	.12	.12	.12	.12	.12
21.3250	.12	.12	.12	.12	.12
21.3875	.12	.12	.12	.12	.12
21.4500	.12	.12	.12	.12	.12
21.5125	.12	.12	.12	.12	.12
21.5750	.12	.12	.12	.12	.12
21.6375	.12	.12	.12	.12	.12
21.7000	.12	.12	.12	.12	.12
21.7625	.12	.12	.12	.12	.12
21.8250	.12	.12	.12	.12	.12
21.8875	.11	.11	.11	.11	.11
21.9500	.11	.11	.11	.11	.11
22.0125	.11	.11	.11	.11	.11
22.0750	.11	.11	.11	.11	.11
22.1375	.11	.11	.11	.11	.11
22.2000	.11	.11	.11	.11	.11
22.2625	.11	.11	.11	.11	.11
22.3250	.11	.11	.11	.11	.11
22.3875	.11	.11	.11	.11	.11
22.4500	.11	.11	.11	.11	.11
22.5125	.11	.11	.11	.11	.11
22.5750	.11	.11	.11	.11	.11
22.6375	.11	.11	.11	.11	.11
22.7000	.11	.11	.11	.10	.10
22.7625	.10	.10	.10	.10	.10
22.8250	.10	.10	.10	.10	.10
22.8875	.10	.10	.10	.10	.10
22.9500	.10	.10	.10	.10	.10
23.0125	.10	.10	.10	.10	.10
23.0750	.10	.10	.10	.10	.10
23.1375	.10	.10	.10	.10	.10
23.2000	.10	.10	.10	.10	.10
23.2625	.10	.10	.10	.10	.10
23.3250	.10	.10	.10	.10	.10
23.3875	.10	.10	.10	.10	.10
23.4500	.10	.10	.10	.10	.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5125	.10	.10	.10	.10	.10
23.5750	.10	.10	.09	.09	.09
23.6375	.09	.09	.09	.09	.09
23.7000	.09	.09	.09	.09	.09
23.7625	.09	.09	.09	.09	.09
23.8250	.09	.09	.09	.09	.09
23.8875	.09	.09	.09	.09	.09
23.9500	.09	.09	.09	.09	.09
24.0125	.09	.09	.08	.08	.07
24.0750	.07	.06	.05	.04	.04
24.1375	.03	.02	.02	.02	.01
24.2000	.01	.01	.01	.01	.00
24.2625	.00	.00	.00	.00	.00
24.3250	.00	.00	.00	.00	.00

Name... D.A. CC-2 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-2 100

Tc = .1519 hrs

Drainage Area = 1.700 acres Runoff CN= 74

```

=====
Computational Time Increment = .02025 hrs
Computed Peak Time          = 12.1321 hrs
Computed Peak Flow          = 7.34 cfs

```

```

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1249 hrs
Peak Flow, Interpolated Output = 7.31 cfs
=====

```

DRAINAGE AREA

```

-----
ID:D.A. CC-2
CN = 74
Area = 1.700 acres
S = 3.5135 in
0.2S = .7027 in

```

Cumulative Runoff

```

-----
4.4810 in
27653 cu.ft

```

HYG Volume... 27652 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .15190 hrs (ID: D.A. CC-2)
Computational Incr, Tm = .02025 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 12.68 cfs
Unit peak time Tp = .10127 hrs
Unit receding limb, Tr = .40508 hrs
Total unit time, Tb = .50635 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-2 100
Tc = .1519 hrs
Drainage Area = 1.700 acres Runoff CN= 74
Calc.Increment= .02025 hrs Out.Incr.= .0125 hrs
HYG Volume = 27652 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
hrs Time on left represents time for first value in each row.

7.2875	.00	.00	.00	.00	.00
7.3500	.00	.00	.00	.00	.00
7.4125	.00	.00	.00	.00	.01
7.4750	.01	.01	.01	.01	.01
7.5375	.01	.01	.01	.01	.01
7.6000	.01	.01	.01	.01	.01
7.6625	.01	.01	.01	.01	.01
7.7250	.01	.01	.01	.01	.01
7.7875	.02	.02	.02	.02	.02
7.8500	.02	.02	.02	.02	.02
7.9125	.02	.02	.02	.02	.02
7.9750	.02	.02	.02	.02	.02
8.0375	.02	.02	.03	.03	.03
8.1000	.03	.03	.03	.03	.03
8.1625	.03	.03	.03	.03	.03
8.2250	.03	.03	.03	.03	.03
8.2875	.04	.04	.04	.04	.04
8.3500	.04	.04	.04	.04	.04
8.4125	.04	.04	.04	.04	.04
8.4750	.05	.05	.05	.05	.05
8.5375	.05	.05	.05	.05	.05
8.6000	.05	.05	.05	.06	.06
8.6625	.06	.06	.06	.06	.06
8.7250	.06	.06	.06	.06	.06
8.7875	.07	.07	.07	.07	.07
8.8500	.07	.07	.07	.07	.07
8.9125	.08	.08	.08	.08	.08
8.9750	.08	.08	.08	.08	.08
9.0375	.08	.09	.09	.09	.09
9.1000	.09	.09	.09	.09	.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.1625	.10	.10	.10	.10	.10
9.2250	.10	.10	.10	.10	.11
9.2875	.11	.11	.11	.11	.11
9.3500	.11	.11	.11	.12	.12
9.4125	.12	.12	.12	.12	.12
9.4750	.12	.13	.13	.13	.13
9.5375	.13	.13	.13	.13	.14
9.6000	.14	.14	.14	.14	.14
9.6625	.14	.14	.15	.15	.15
9.7250	.15	.15	.15	.15	.16
9.7875	.16	.16	.16	.16	.16
9.8500	.16	.16	.17	.17	.17
9.9125	.17	.17	.17	.17	.18
9.9750	.18	.18	.18	.18	.18
10.0375	.19	.19	.19	.19	.19
10.1000	.19	.20	.20	.20	.20
10.1625	.20	.21	.21	.21	.21
10.2250	.21	.22	.22	.22	.22
10.2875	.23	.23	.23	.23	.23
10.3500	.24	.24	.24	.24	.25
10.4125	.25	.25	.25	.26	.26
10.4750	.26	.26	.27	.27	.27
10.5375	.27	.28	.28	.28	.29
10.6000	.29	.29	.29	.30	.30
10.6625	.30	.30	.31	.31	.31
10.7250	.32	.32	.32	.32	.33
10.7875	.33	.33	.34	.34	.34
10.8500	.34	.35	.35	.35	.36
10.9125	.36	.36	.36	.37	.37
10.9750	.37	.38	.38	.38	.39
11.0375	.39	.40	.40	.40	.41
11.1000	.41	.42	.43	.43	.44
11.1625	.44	.45	.46	.47	.48
11.2250	.48	.49	.50	.51	.52
11.2875	.53	.53	.54	.55	.56
11.3500	.57	.58	.59	.60	.61
11.4125	.62	.63	.64	.65	.66
11.4750	.67	.68	.69	.70	.71
11.5375	.73	.76	.79	.82	.85
11.6000	.89	.93	.97	1.02	1.08
11.6625	1.14	1.21	1.28	1.36	1.43
11.7250	1.51	1.59	1.67	1.76	1.85
11.7875	1.95	2.04	2.13	2.22	2.32
11.8500	2.42	2.52	2.63	2.74	2.85
11.9125	2.98	3.14	3.34	3.58	3.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.9750	4.25	4.63	5.01	5.39	5.74
12.0375	6.06	6.36	6.59	6.81	7.00
12.1000	7.14	7.27	7.31	7.30	7.22
12.1625	7.02	6.79	6.50	6.20	5.90
12.2250	5.61	5.33	5.08	4.85	4.65
12.2875	4.47	4.30	4.15	4.01	3.87
12.3500	3.74	3.61	3.48	3.36	3.24
12.4125	3.12	3.01	2.90	2.79	2.67
12.4750	2.55	2.44	2.32	2.22	2.12
12.5375	2.02	1.93	1.84	1.75	1.67
12.6000	1.60	1.53	1.47	1.42	1.37
12.6625	1.33	1.29	1.26	1.24	1.21
12.7250	1.19	1.17	1.15	1.14	1.12
12.7875	1.10	1.09	1.07	1.06	1.05
12.8500	1.04	1.02	1.01	1.00	.98
12.9125	.97	.96	.95	.94	.93
12.9750	.91	.90	.89	.88	.87
13.0375	.86	.85	.84	.83	.82
13.1000	.81	.80	.80	.79	.78
13.1625	.78	.77	.77	.76	.76
13.2250	.76	.75	.75	.74	.74
13.2875	.74	.73	.73	.73	.73
13.3500	.72	.72	.72	.71	.71
13.4125	.71	.70	.70	.70	.69
13.4750	.69	.69	.69	.68	.68
13.5375	.68	.67	.67	.67	.66
13.6000	.66	.66	.65	.65	.65
13.6625	.65	.64	.64	.64	.63
13.7250	.63	.63	.62	.62	.62
13.7875	.61	.61	.61	.61	.60
13.8500	.60	.60	.59	.59	.59
13.9125	.58	.58	.58	.57	.57
13.9750	.57	.56	.56	.56	.56
14.0375	.55	.55	.55	.54	.54
14.1000	.54	.54	.53	.53	.53
14.1625	.53	.53	.53	.52	.52
14.2250	.52	.52	.52	.52	.51
14.2875	.51	.51	.51	.51	.51
14.3500	.50	.50	.50	.50	.50
14.4125	.50	.50	.49	.49	.49
14.4750	.49	.49	.49	.49	.48
14.5375	.48	.48	.48	.48	.48
14.6000	.47	.47	.47	.47	.47
14.6625	.47	.47	.46	.46	.46
14.7250	.46	.46	.46	.46	.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.7875	.45	.45	.45	.45	.45
14.8500	.45	.44	.44	.44	.44
14.9125	.44	.44	.43	.43	.43
14.9750	.43	.43	.43	.43	.42
15.0375	.42	.42	.42	.42	.42
15.1000	.41	.41	.41	.41	.41
15.1625	.41	.41	.40	.40	.40
15.2250	.40	.40	.40	.39	.39
15.2875	.39	.39	.39	.39	.39
15.3500	.38	.38	.38	.38	.38
15.4125	.38	.37	.37	.37	.37
15.4750	.37	.37	.37	.36	.36
15.5375	.36	.36	.36	.36	.35
15.6000	.35	.35	.35	.35	.35
15.6625	.35	.34	.34	.34	.34
15.7250	.34	.34	.33	.33	.33
15.7875	.33	.33	.33	.33	.32
15.8500	.32	.32	.32	.32	.32
15.9125	.31	.31	.31	.31	.31
15.9750	.31	.30	.30	.30	.30
16.0375	.30	.30	.30	.30	.29
16.1000	.29	.29	.29	.29	.29
16.1625	.29	.29	.29	.28	.28
16.2250	.28	.28	.28	.28	.28
16.2875	.28	.28	.28	.28	.28
16.3500	.28	.28	.27	.27	.27
16.4125	.27	.27	.27	.27	.27
16.4750	.27	.27	.27	.27	.27
16.5375	.27	.27	.26	.26	.26
16.6000	.26	.26	.26	.26	.26
16.6625	.26	.26	.26	.26	.26
16.7250	.26	.26	.25	.25	.25
16.7875	.25	.25	.25	.25	.25
16.8500	.25	.25	.25	.25	.25
16.9125	.25	.24	.24	.24	.24
16.9750	.24	.24	.24	.24	.24
17.0375	.24	.24	.24	.24	.24
17.1000	.24	.23	.23	.23	.23
17.1625	.23	.23	.23	.23	.23
17.2250	.23	.23	.23	.23	.23
17.2875	.22	.22	.22	.22	.22
17.3500	.22	.22	.22	.22	.22
17.4125	.22	.22	.22	.22	.22
17.4750	.21	.21	.21	.21	.21
17.5375	.21	.21	.21	.21	.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.6000	.21	.21	.21	.21	.20
17.6625	.20	.20	.20	.20	.20
17.7250	.20	.20	.20	.20	.20
17.7875	.20	.20	.20	.20	.19
17.8500	.19	.19	.19	.19	.19
17.9125	.19	.19	.19	.19	.19
17.9750	.19	.19	.19	.18	.18
18.0375	.18	.18	.18	.18	.18
18.1000	.18	.18	.18	.18	.18
18.1625	.18	.18	.18	.18	.18
18.2250	.18	.18	.18	.18	.18
18.2875	.18	.18	.18	.18	.18
18.3500	.18	.18	.17	.17	.17
18.4125	.17	.17	.17	.17	.17
18.4750	.17	.17	.17	.17	.17
18.5375	.17	.17	.17	.17	.17
18.6000	.17	.17	.17	.17	.17
18.6625	.17	.17	.17	.17	.17
18.7250	.17	.17	.17	.17	.17
18.7875	.17	.17	.17	.17	.17
18.8500	.17	.17	.17	.17	.17
18.9125	.17	.17	.17	.17	.17
18.9750	.17	.17	.16	.16	.16
19.0375	.16	.16	.16	.16	.16
19.1000	.16	.16	.16	.16	.16
19.1625	.16	.16	.16	.16	.16
19.2250	.16	.16	.16	.16	.16
19.2875	.16	.16	.16	.16	.16
19.3500	.16	.16	.16	.16	.16
19.4125	.16	.16	.16	.16	.16
19.4750	.16	.16	.16	.16	.16
19.5375	.16	.16	.16	.16	.16
19.6000	.16	.15	.15	.15	.15
19.6625	.15	.15	.15	.15	.15
19.7250	.15	.15	.15	.15	.15
19.7875	.15	.15	.15	.15	.15
19.8500	.15	.15	.15	.15	.15
19.9125	.15	.15	.15	.15	.15
19.9750	.15	.15	.15	.15	.15
20.0375	.15	.15	.15	.15	.15
20.1000	.15	.15	.15	.15	.15
20.1625	.15	.15	.15	.15	.15
20.2250	.15	.15	.15	.15	.14
20.2875	.14	.14	.14	.14	.14
20.3500	.14	.14	.14	.14	.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.4125	.14	.14	.14	.14	.14
20.4750	.14	.14	.14	.14	.14
20.5375	.14	.14	.14	.14	.14
20.6000	.14	.14	.14	.14	.14
20.6625	.14	.14	.14	.14	.14
20.7250	.14	.14	.14	.14	.14
20.7875	.14	.14	.14	.14	.14
20.8500	.14	.14	.14	.14	.14
20.9125	.14	.14	.14	.14	.14
20.9750	.14	.14	.14	.14	.14
21.0375	.14	.14	.14	.14	.13
21.1000	.13	.13	.13	.13	.13
21.1625	.13	.13	.13	.13	.13
21.2250	.13	.13	.13	.13	.13
21.2875	.13	.13	.13	.13	.13
21.3500	.13	.13	.13	.13	.13
21.4125	.13	.13	.13	.13	.13
21.4750	.13	.13	.13	.13	.13
21.5375	.13	.13	.13	.13	.13
21.6000	.13	.13	.13	.13	.13
21.6625	.13	.13	.13	.13	.13
21.7250	.13	.13	.13	.13	.13
21.7875	.13	.13	.13	.13	.13
21.8500	.13	.13	.13	.12	.12
21.9125	.12	.12	.12	.12	.12
21.9750	.12	.12	.12	.12	.12
22.0375	.12	.12	.12	.12	.12
22.1000	.12	.12	.12	.12	.12
22.1625	.12	.12	.12	.12	.12
22.2250	.12	.12	.12	.12	.12
22.2875	.12	.12	.12	.12	.12
22.3500	.12	.12	.12	.12	.12
22.4125	.12	.12	.12	.12	.12
22.4750	.12	.12	.12	.12	.12
22.5375	.12	.12	.12	.12	.12
22.6000	.12	.12	.12	.12	.12
22.6625	.12	.12	.11	.11	.11
22.7250	.11	.11	.11	.11	.11
22.7875	.11	.11	.11	.11	.11
22.8500	.11	.11	.11	.11	.11
22.9125	.11	.11	.11	.11	.11
22.9750	.11	.11	.11	.11	.11
23.0375	.11	.11	.11	.11	.11
23.1000	.11	.11	.11	.11	.11
23.1625	.11	.11	.11	.11	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.2250	.11	.11	.11	.11	.11
23.2875	.11	.11	.11	.11	.11
23.3500	.11	.11	.11	.11	.11
23.4125	.11	.11	.11	.11	.11
23.4750	.11	.10	.10	.10	.10
23.5375	.10	.10	.10	.10	.10
23.6000	.10	.10	.10	.10	.10
23.6625	.10	.10	.10	.10	.10
23.7250	.10	.10	.10	.10	.10
23.7875	.10	.10	.10	.10	.10
23.8500	.10	.10	.10	.10	.10
23.9125	.10	.10	.10	.10	.10
23.9750	.10	.10	.10	.10	.10
24.0375	.09	.09	.08	.07	.06
24.1000	.05	.05	.04	.03	.03
24.1625	.02	.02	.01	.01	.01
24.2250	.01	.01	.00	.00	.00
24.2875	.00	.00	.00	.00	.00
24.3500	.00				

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: User Defined

Segment #1 Time: .1700 hrs

Segment #2: Tc: User Defined

Segment #2 Time: .0100 hrs

=====
Total Tc: .1800 hrs
=====

Type.... Tc Calcs
Name.... D.A. CC-3

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

Type.... Runoff CN-Area
Name.... D.A. CC-3

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	94	10.600			94.00

COMPOSITE AREA & WEIGHTED CN ---> 10.600 94.00 (94)
.....

Name... D.A. CC-3 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
Duration = 24.0000 hrs Rain Depth = 3.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-3 2
Tc = .1800 hrs
Drainage Area = 10.600 acres Runoff CN= 94

=====
Computational Time Increment = .02400 hrs
Computed Peak Time = 12.1440 hrs
Computed Peak Flow = 26.59 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1374 hrs
Peak Flow, Interpolated Output = 26.55 cfs
=====

DRAINAGE AREA

ID:D.A. CC-3
CN = 94
Area = 10.600 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

2.8356 in
109109 cu.ft

HYG Volume... 109106 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .18000 hrs (ID: D.A. CC-3)
Computational Incr, Tm = .02400 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 66.72 cfs
Unit peak time Tp = .12000 hrs
Unit receding limb, Tr = .48000 hrs
Total unit time, Tb = .60000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-3 2
 Tc = .1800 hrs
 Drainage Area = 10.600 acres Runoff CN= 94
 Calc.Increment= .02400 hrs Out.Incr.= .0125 hrs
 HYG Volume = 109106 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.01
3.7125	.01	.01	.01	.01	.01
3.7750	.01	.01	.01	.01	.01
3.8375	.01	.01	.01	.02	.02
3.9000	.02	.02	.02	.02	.02
3.9625	.02	.02	.02	.02	.02
4.0250	.03	.03	.03	.03	.03
4.0875	.03	.03	.03	.03	.03
4.1500	.03	.03	.04	.04	.04
4.2125	.04	.04	.04	.04	.04
4.2750	.04	.04	.04	.04	.05
4.3375	.05	.05	.05	.05	.05
4.4000	.05	.05	.05	.05	.05
4.4625	.05	.06	.06	.06	.06
4.5250	.06	.06	.06	.06	.06
4.5875	.06	.06	.07	.07	.07
4.6500	.07	.07	.07	.07	.07
4.7125	.07	.07	.07	.07	.08
4.7750	.08	.08	.08	.08	.08
4.8375	.08	.08	.08	.08	.08
4.9000	.09	.09	.09	.09	.09
4.9625	.09	.09	.09	.09	.09
5.0250	.09	.10	.10	.10	.10
5.0875	.10	.10	.10	.10	.10
5.1500	.10	.10	.11	.11	.11
5.2125	.11	.11	.11	.11	.11
5.2750	.11	.11	.11	.12	.12
5.3375	.12	.12	.12	.12	.12
5.4000	.12	.12	.12	.13	.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.4625	.13	.13	.13	.13	.13
5.5250	.13	.13	.13	.13	.14
5.5875	.14	.14	.14	.14	.14
5.6500	.14	.14	.14	.14	.14
5.7125	.15	.15	.15	.15	.15
5.7750	.15	.15	.15	.15	.15
5.8375	.16	.16	.16	.16	.16
5.9000	.16	.16	.16	.16	.16
5.9625	.17	.17	.17	.17	.17
6.0250	.17	.17	.17	.17	.17
6.0875	.18	.18	.18	.18	.18
6.1500	.18	.18	.18	.19	.19
6.2125	.19	.19	.19	.19	.19
6.2750	.20	.20	.20	.20	.20
6.3375	.20	.20	.21	.21	.21
6.4000	.21	.21	.21	.22	.22
6.4625	.22	.22	.22	.22	.23
6.5250	.23	.23	.23	.23	.23
6.5875	.24	.24	.24	.24	.24
6.6500	.24	.25	.25	.25	.25
6.7125	.25	.26	.26	.26	.26
6.7750	.26	.26	.27	.27	.27
6.8375	.27	.27	.28	.28	.28
6.9000	.28	.28	.28	.29	.29
6.9625	.29	.29	.29	.30	.30
7.0250	.30	.30	.30	.31	.31
7.0875	.31	.31	.31	.32	.32
7.1500	.32	.32	.32	.33	.33
7.2125	.33	.33	.33	.34	.34
7.2750	.34	.34	.34	.35	.35
7.3375	.35	.35	.35	.36	.36
7.4000	.36	.36	.36	.37	.37
7.4625	.37	.37	.37	.38	.38
7.5250	.38	.38	.39	.39	.39
7.5875	.39	.39	.40	.40	.40
7.6500	.40	.41	.41	.41	.41
7.7125	.41	.42	.42	.42	.42
7.7750	.43	.43	.43	.43	.43
7.8375	.44	.44	.44	.44	.45
7.9000	.45	.45	.45	.46	.46
7.9625	.46	.46	.46	.47	.47
8.0250	.47	.47	.48	.48	.48
8.0875	.48	.49	.49	.49	.50
8.1500	.50	.50	.51	.51	.51
8.2125	.52	.52	.53	.53	.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.2750	.54	.54	.55	.55	.55
8.3375	.56	.56	.57	.57	.57
8.4000	.58	.58	.59	.59	.59
8.4625	.60	.60	.61	.61	.62
8.5250	.62	.63	.63	.63	.64
8.5875	.64	.65	.65	.66	.66
8.6500	.67	.67	.67	.68	.68
8.7125	.69	.69	.70	.70	.71
8.7750	.71	.72	.72	.73	.73
8.8375	.73	.74	.74	.75	.75
8.9000	.76	.76	.77	.77	.78
8.9625	.78	.79	.79	.80	.80
9.0250	.81	.81	.82	.82	.83
9.0875	.83	.84	.84	.85	.85
9.1500	.86	.86	.87	.87	.88
9.2125	.88	.89	.89	.90	.90
9.2750	.91	.91	.92	.92	.93
9.3375	.93	.94	.94	.95	.96
9.4000	.96	.97	.97	.98	.98
9.4625	.99	.99	1.00	1.00	1.01
9.5250	1.01	1.02	1.02	1.03	1.04
9.5875	1.04	1.05	1.05	1.06	1.06
9.6500	1.07	1.07	1.08	1.08	1.09
9.7125	1.10	1.10	1.11	1.11	1.12
9.7750	1.12	1.13	1.13	1.14	1.15
9.8375	1.15	1.16	1.16	1.17	1.17
9.9000	1.18	1.18	1.19	1.20	1.20
9.9625	1.21	1.21	1.22	1.22	1.23
10.0250	1.24	1.24	1.25	1.25	1.26
10.0875	1.27	1.28	1.28	1.29	1.30
10.1500	1.31	1.31	1.32	1.33	1.34
10.2125	1.35	1.36	1.37	1.38	1.39
10.2750	1.40	1.41	1.42	1.43	1.44
10.3375	1.45	1.46	1.47	1.48	1.49
10.4000	1.50	1.51	1.52	1.53	1.54
10.4625	1.55	1.56	1.57	1.58	1.59
10.5250	1.60	1.61	1.62	1.64	1.65
10.5875	1.66	1.67	1.68	1.69	1.70
10.6500	1.71	1.72	1.73	1.74	1.75
10.7125	1.77	1.78	1.79	1.80	1.81
10.7750	1.82	1.83	1.84	1.85	1.86
10.8375	1.87	1.89	1.90	1.91	1.92
10.9000	1.93	1.94	1.95	1.96	1.98
10.9625	1.99	2.00	2.01	2.02	2.03
11.0250	2.05	2.06	2.07	2.09	2.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.0875	2.13	2.15	2.17	2.19	2.21
11.1500	2.24	2.26	2.29	2.32	2.35
11.2125	2.39	2.42	2.45	2.49	2.52
11.2750	2.56	2.59	2.63	2.67	2.70
11.3375	2.74	2.78	2.81	2.85	2.89
11.4000	2.93	2.97	3.01	3.04	3.08
11.4625	3.12	3.16	3.20	3.25	3.29
11.5250	3.35	3.41	3.49	3.59	3.71
11.5875	3.83	3.97	4.12	4.29	4.47
11.6500	4.69	4.92	5.18	5.44	5.73
11.7125	6.02	6.32	6.63	6.95	7.29
11.7750	7.64	7.99	8.34	8.69	9.04
11.8375	9.40	9.77	10.14	10.53	10.92
11.9000	11.31	11.77	12.27	12.91	13.61
11.9625	14.57	15.59	16.79	18.01	19.24
12.0250	20.47	21.59	22.68	23.62	24.49
12.0875	25.19	25.79	26.20	26.48	26.55
12.1500	26.41	26.02	25.42	24.64	23.74
12.2125	22.78	21.79	20.79	19.83	18.88
12.2750	18.06	17.25	16.57	15.91	15.33
12.3375	14.75	14.22	13.69	13.19	12.70
12.4000	12.23	11.78	11.35	10.92	10.50
12.4625	10.07	9.64	9.22	8.81	8.42
12.5250	8.04	7.68	7.32	6.99	6.66
12.5875	6.35	6.06	5.80	5.55	5.33
12.6500	5.12	4.94	4.77	4.63	4.50
12.7125	4.39	4.29	4.20	4.12	4.04
12.7750	3.97	3.90	3.84	3.78	3.73
12.8375	3.68	3.62	3.57	3.53	3.48
12.9000	3.43	3.39	3.34	3.30	3.26
12.9625	3.21	3.17	3.13	3.09	3.05
13.0250	3.01	2.97	2.93	2.90	2.86
13.0875	2.83	2.80	2.77	2.74	2.71
13.1500	2.69	2.67	2.65	2.63	2.61
13.2125	2.59	2.58	2.56	2.55	2.53
13.2750	2.52	2.51	2.49	2.48	2.47
13.3375	2.46	2.45	2.44	2.42	2.41
13.4000	2.40	2.39	2.38	2.37	2.36
13.4625	2.35	2.34	2.33	2.32	2.30
13.5250	2.29	2.28	2.27	2.26	2.25
13.5875	2.24	2.23	2.22	2.21	2.20
13.6500	2.19	2.18	2.17	2.16	2.15
13.7125	2.13	2.12	2.11	2.10	2.09
13.7750	2.08	2.07	2.06	2.05	2.04
13.8375	2.03	2.02	2.01	2.00	1.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9000	1.97	1.96	1.95	1.94	1.93
13.9625	1.92	1.91	1.90	1.89	1.88
14.0250	1.87	1.86	1.85	1.84	1.83
14.0875	1.82	1.81	1.80	1.79	1.79
14.1500	1.78	1.77	1.76	1.76	1.75
14.2125	1.74	1.74	1.73	1.73	1.72
14.2750	1.72	1.71	1.70	1.70	1.69
14.3375	1.69	1.68	1.68	1.67	1.67
14.4000	1.66	1.66	1.65	1.65	1.64
14.4625	1.64	1.63	1.63	1.62	1.62
14.5250	1.61	1.61	1.60	1.59	1.59
14.5875	1.58	1.58	1.57	1.57	1.56
14.6500	1.56	1.55	1.55	1.54	1.54
14.7125	1.53	1.53	1.52	1.52	1.51
14.7750	1.51	1.50	1.50	1.49	1.49
14.8375	1.48	1.48	1.47	1.47	1.46
14.9000	1.46	1.45	1.45	1.44	1.44
14.9625	1.43	1.43	1.42	1.42	1.41
15.0250	1.41	1.40	1.40	1.39	1.38
15.0875	1.38	1.37	1.37	1.36	1.36
15.1500	1.35	1.35	1.34	1.34	1.33
15.2125	1.33	1.32	1.32	1.31	1.31
15.2750	1.30	1.30	1.29	1.29	1.28
15.3375	1.28	1.27	1.27	1.26	1.25
15.4000	1.25	1.24	1.24	1.23	1.23
15.4625	1.22	1.22	1.21	1.21	1.20
15.5250	1.20	1.19	1.19	1.18	1.18
15.5875	1.17	1.17	1.16	1.16	1.15
15.6500	1.15	1.14	1.14	1.13	1.13
15.7125	1.12	1.12	1.11	1.11	1.10
15.7750	1.09	1.09	1.08	1.08	1.07
15.8375	1.07	1.06	1.06	1.05	1.05
15.9000	1.04	1.04	1.03	1.03	1.02
15.9625	1.02	1.01	1.01	1.00	1.00
16.0250	.99	.99	.98	.98	.97
16.0875	.97	.96	.96	.96	.95
16.1500	.95	.95	.94	.94	.94
16.2125	.93	.93	.93	.92	.92
16.2750	.92	.92	.91	.91	.91
16.3375	.91	.91	.90	.90	.90
16.4000	.90	.89	.89	.89	.89
16.4625	.88	.88	.88	.88	.88
16.5250	.87	.87	.87	.87	.86
16.5875	.86	.86	.86	.86	.85
16.6500	.85	.85	.85	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7125	.84	.84	.84	.83	.83
16.7750	.83	.83	.82	.82	.82
16.8375	.82	.81	.81	.81	.81
16.9000	.81	.80	.80	.80	.80
16.9625	.80	.79	.79	.79	.79
17.0250	.78	.78	.78	.78	.77
17.0875	.77	.77	.77	.77	.76
17.1500	.76	.76	.76	.75	.75
17.2125	.75	.75	.74	.74	.74
17.2750	.74	.74	.73	.73	.73
17.3375	.73	.73	.72	.72	.72
17.4000	.72	.71	.71	.71	.71
17.4625	.70	.70	.70	.70	.70
17.5250	.69	.69	.69	.69	.68
17.5875	.68	.68	.68	.67	.67
17.6500	.67	.67	.67	.66	.66
17.7125	.66	.66	.66	.65	.65
17.7750	.65	.65	.64	.64	.64
17.8375	.64	.63	.63	.63	.63
17.9000	.63	.62	.62	.62	.62
17.9625	.61	.61	.61	.61	.60
18.0250	.60	.60	.60	.60	.59
18.0875	.59	.59	.59	.59	.59
18.1500	.58	.58	.58	.58	.58
18.2125	.58	.58	.58	.58	.58
18.2750	.57	.57	.57	.57	.57
18.3375	.57	.57	.57	.57	.57
18.4000	.57	.57	.57	.57	.56
18.4625	.56	.56	.56	.56	.56
18.5250	.56	.56	.56	.56	.56
18.5875	.56	.56	.56	.56	.55
18.6500	.55	.55	.55	.55	.55
18.7125	.55	.55	.55	.55	.55
18.7750	.55	.55	.55	.55	.54
18.8375	.54	.54	.54	.54	.54
18.9000	.54	.54	.54	.54	.54
18.9625	.54	.54	.54	.53	.53
19.0250	.53	.53	.53	.53	.53
19.0875	.53	.53	.53	.53	.53
19.1500	.53	.53	.53	.52	.52
19.2125	.52	.52	.52	.52	.52
19.2750	.52	.52	.52	.52	.52
19.3375	.52	.52	.52	.51	.51
19.4000	.51	.51	.51	.51	.51
19.4625	.51	.51	.51	.51	.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.5250	.51	.51	.50	.50	.50
19.5875	.50	.50	.50	.50	.50
19.6500	.50	.50	.50	.50	.50
19.7125	.50	.50	.49	.49	.49
19.7750	.49	.49	.49	.49	.49
19.8375	.49	.49	.49	.49	.49
19.9000	.49	.49	.48	.48	.48
19.9625	.48	.48	.48	.48	.48
20.0250	.48	.48	.48	.48	.48
20.0875	.48	.48	.47	.47	.47
20.1500	.47	.47	.47	.47	.47
20.2125	.47	.47	.47	.47	.47
20.2750	.47	.47	.47	.47	.47
20.3375	.47	.46	.46	.46	.46
20.4000	.46	.46	.46	.46	.46
20.4625	.46	.46	.46	.46	.46
20.5250	.46	.46	.46	.46	.46
20.5875	.46	.45	.45	.45	.45
20.6500	.45	.45	.45	.45	.45
20.7125	.45	.45	.45	.45	.45
20.7750	.45	.45	.45	.45	.45
20.8375	.44	.44	.44	.44	.44
20.9000	.44	.44	.44	.44	.44
20.9625	.44	.44	.44	.44	.44
21.0250	.44	.44	.44	.44	.44
21.0875	.44	.43	.43	.43	.43
21.1500	.43	.43	.43	.43	.43
21.2125	.43	.43	.43	.43	.43
21.2750	.43	.43	.43	.43	.42
21.3375	.42	.42	.42	.42	.42
21.4000	.42	.42	.42	.42	.42
21.4625	.42	.42	.42	.42	.42
21.5250	.42	.42	.41	.41	.41
21.5875	.41	.41	.41	.41	.41
21.6500	.41	.41	.41	.41	.41
21.7125	.41	.41	.41	.41	.41
21.7750	.41	.41	.41	.41	.41
21.8375	.40	.40	.40	.40	.40
21.9000	.40	.40	.40	.40	.40
21.9625	.40	.40	.40	.40	.40
22.0250	.40	.40	.40	.39	.39
22.0875	.39	.39	.39	.39	.39
22.1500	.39	.39	.39	.39	.39
22.2125	.39	.39	.39	.39	.39
22.2750	.39	.39	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.3375	.38	.38	.38	.38	.38
22.4000	.38	.38	.38	.38	.38
22.4625	.38	.38	.38	.38	.38
22.5250	.38	.38	.37	.37	.37
22.5875	.37	.37	.37	.37	.37
22.6500	.37	.37	.37	.37	.37
22.7125	.37	.37	.37	.37	.37
22.7750	.37	.37	.36	.36	.36
22.8375	.36	.36	.36	.36	.36
22.9000	.36	.36	.36	.36	.36
22.9625	.36	.36	.36	.36	.36
23.0250	.36	.36	.35	.35	.35
23.0875	.35	.35	.35	.35	.35
23.1500	.35	.35	.35	.35	.35
23.2125	.35	.35	.35	.35	.35
23.2750	.35	.34	.34	.34	.34
23.3375	.34	.34	.34	.34	.34
23.4000	.34	.34	.34	.34	.34
23.4625	.34	.34	.34	.34	.34
23.5250	.34	.34	.33	.33	.33
23.5875	.33	.33	.33	.33	.33
23.6500	.33	.33	.33	.33	.33
23.7125	.33	.33	.33	.33	.33
23.7750	.33	.32	.32	.32	.32
23.8375	.32	.32	.32	.32	.32
23.9000	.32	.32	.32	.32	.32
23.9625	.32	.32	.32	.32	.31
24.0250	.31	.30	.29	.28	.26
24.0875	.23	.21	.19	.16	.14
24.1500	.12	.10	.08	.07	.06
24.2125	.05	.04	.04	.03	.03
24.2750	.02	.02	.02	.01	.01
24.3375	.01	.01	.01	.01	.00
24.4000	.00	.00	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

Name... D.A. CC-3 Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-3 10
 Tc = .1800 hrs
 Drainage Area = 10.600 acres Runoff CN= 94

=====
 Computational Time Increment = .02400 hrs
 Computed Peak Time = 12.1440 hrs
 Computed Peak Flow = 43.65 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1374 hrs
 Peak Flow, Interpolated Output = 43.61 cfs
 =====

DRAINAGE AREA

 ID:D.A. CC-3
 CN = 94
 Area = 10.600 acres
 S = .6383 in
 0.2S = .1277 in

Cumulative Runoff

 4.8018 in
 184765 cu.ft

HYG Volume... 184760 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .18000 hrs (ID: D.A. CC-3)
 Computational Incr, Tm = .02400 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 66.72 cfs
 Unit peak time Tp = .12000 hrs
 Unit receding limb, Tr = .48000 hrs
 Total unit time, Tb = .60000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-3 10
 Tc = .1800 hrs
 Drainage Area = 10.600 acres Runoff CN= 94
 Calc.Increment= .02400 hrs Out.Incr.= .0125 hrs
 HYG Volume = 184760 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.01	.01	.01
2.5250	.01	.01	.01	.01	.01
2.5875	.02	.02	.02	.02	.02
2.6500	.02	.02	.02	.03	.03
2.7125	.03	.03	.03	.03	.03
2.7750	.04	.04	.04	.04	.04
2.8375	.04	.05	.05	.05	.05
2.9000	.05	.05	.05	.06	.06
2.9625	.06	.06	.06	.06	.06
3.0250	.07	.07	.07	.07	.07
3.0875	.07	.07	.08	.08	.08
3.1500	.08	.08	.08	.09	.09
3.2125	.09	.09	.09	.09	.09
3.2750	.10	.10	.10	.10	.10
3.3375	.10	.11	.11	.11	.11
3.4000	.11	.11	.11	.12	.12
3.4625	.12	.12	.12	.12	.13
3.5250	.13	.13	.13	.13	.13
3.5875	.14	.14	.14	.14	.14
3.6500	.14	.14	.15	.15	.15
3.7125	.15	.15	.15	.16	.16
3.7750	.16	.16	.16	.16	.17
3.8375	.17	.17	.17	.17	.17
3.9000	.17	.18	.18	.18	.18
3.9625	.18	.18	.19	.19	.19
4.0250	.19	.19	.19	.20	.20
4.0875	.20	.20	.20	.20	.21
4.1500	.21	.21	.21	.21	.21
4.2125	.22	.22	.22	.22	.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.2750	.22	.23	.23	.23	.23
4.3375	.23	.23	.24	.24	.24
4.4000	.24	.24	.24	.25	.25
4.4625	.25	.25	.25	.25	.26
4.5250	.26	.26	.26	.26	.26
4.5875	.27	.27	.27	.27	.27
4.6500	.27	.27	.28	.28	.28
4.7125	.28	.28	.29	.29	.29
4.7750	.29	.29	.29	.30	.30
4.8375	.30	.30	.30	.30	.31
4.9000	.31	.31	.31	.31	.31
4.9625	.32	.32	.32	.32	.32
5.0250	.32	.33	.33	.33	.33
5.0875	.33	.33	.34	.34	.34
5.1500	.34	.34	.34	.35	.35
5.2125	.35	.35	.35	.35	.36
5.2750	.36	.36	.36	.36	.36
5.3375	.37	.37	.37	.37	.37
5.4000	.37	.38	.38	.38	.38
5.4625	.38	.38	.39	.39	.39
5.5250	.39	.39	.39	.40	.40
5.5875	.40	.40	.40	.40	.41
5.6500	.41	.41	.41	.41	.41
5.7125	.42	.42	.42	.42	.42
5.7750	.42	.43	.43	.43	.43
5.8375	.43	.43	.44	.44	.44
5.9000	.44	.44	.45	.45	.45
5.9625	.45	.45	.45	.46	.46
6.0250	.46	.46	.46	.46	.47
6.0875	.47	.47	.47	.48	.48
6.1500	.48	.48	.49	.49	.49
6.2125	.49	.50	.50	.50	.50
6.2750	.51	.51	.51	.52	.52
6.3375	.52	.53	.53	.53	.54
6.4000	.54	.54	.54	.55	.55
6.4625	.55	.56	.56	.56	.57
6.5250	.57	.57	.58	.58	.58
6.5875	.59	.59	.59	.60	.60
6.6500	.60	.61	.61	.61	.62
6.7125	.62	.62	.63	.63	.63
6.7750	.64	.64	.64	.65	.65
6.8375	.65	.66	.66	.66	.67
6.9000	.67	.67	.68	.68	.69
6.9625	.69	.69	.70	.70	.70
7.0250	.71	.71	.71	.72	.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.0875	.72	.73	.73	.74	.74
7.1500	.74	.75	.75	.75	.76
7.2125	.76	.76	.77	.77	.77
7.2750	.78	.78	.79	.79	.79
7.3375	.80	.80	.81	.81	.81
7.4000	.82	.82	.82	.83	.83
7.4625	.83	.84	.84	.85	.85
7.5250	.85	.86	.86	.87	.87
7.5875	.87	.88	.88	.88	.89
7.6500	.89	.90	.90	.90	.91
7.7125	.91	.92	.92	.92	.93
7.7750	.93	.93	.94	.94	.95
7.8375	.95	.95	.96	.96	.97
7.9000	.97	.97	.98	.98	.99
7.9625	.99	.99	1.00	1.00	1.01
8.0250	1.01	1.01	1.02	1.02	1.03
8.0875	1.03	1.04	1.04	1.05	1.05
8.1500	1.06	1.07	1.07	1.08	1.09
8.2125	1.09	1.10	1.11	1.11	1.12
8.2750	1.13	1.13	1.14	1.15	1.16
8.3375	1.16	1.17	1.18	1.19	1.19
8.4000	1.20	1.21	1.22	1.22	1.23
8.4625	1.24	1.25	1.26	1.26	1.27
8.5250	1.28	1.29	1.29	1.30	1.31
8.5875	1.32	1.33	1.33	1.34	1.35
8.6500	1.36	1.37	1.37	1.38	1.39
8.7125	1.40	1.41	1.41	1.42	1.43
8.7750	1.44	1.45	1.45	1.46	1.47
8.8375	1.48	1.49	1.50	1.50	1.51
8.9000	1.52	1.53	1.54	1.55	1.55
8.9625	1.56	1.57	1.58	1.59	1.60
9.0250	1.60	1.61	1.62	1.63	1.64
9.0875	1.65	1.65	1.66	1.67	1.68
9.1500	1.69	1.70	1.71	1.71	1.72
9.2125	1.73	1.74	1.75	1.76	1.76
9.2750	1.77	1.78	1.79	1.80	1.81
9.3375	1.82	1.83	1.83	1.84	1.85
9.4000	1.86	1.87	1.88	1.89	1.89
9.4625	1.90	1.91	1.92	1.93	1.94
9.5250	1.95	1.96	1.97	1.97	1.98
9.5875	1.99	2.00	2.01	2.02	2.03
9.6500	2.04	2.04	2.05	2.06	2.07
9.7125	2.08	2.09	2.10	2.11	2.12
9.7750	2.13	2.14	2.14	2.15	2.16
9.8375	2.17	2.18	2.19	2.20	2.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9000	2.22	2.22	2.23	2.24	2.25
9.9625	2.26	2.27	2.28	2.29	2.30
10.0250	2.31	2.32	2.33	2.34	2.35
10.0875	2.36	2.37	2.38	2.39	2.41
10.1500	2.42	2.43	2.45	2.46	2.48
10.2125	2.49	2.51	2.52	2.54	2.56
10.2750	2.57	2.59	2.61	2.62	2.64
10.3375	2.66	2.67	2.69	2.71	2.73
10.4000	2.74	2.76	2.78	2.79	2.81
10.4625	2.83	2.85	2.86	2.88	2.90
10.5250	2.92	2.93	2.95	2.97	2.99
10.5875	3.00	3.02	3.04	3.06	3.07
10.6500	3.09	3.11	3.13	3.14	3.16
10.7125	3.18	3.20	3.21	3.23	3.25
10.7750	3.27	3.29	3.30	3.32	3.34
10.8375	3.36	3.37	3.39	3.41	3.43
10.9000	3.45	3.47	3.48	3.50	3.52
10.9625	3.54	3.56	3.57	3.59	3.61
11.0250	3.63	3.65	3.68	3.70	3.73
11.0875	3.76	3.80	3.83	3.87	3.90
11.1500	3.95	3.99	4.04	4.09	4.15
11.2125	4.20	4.25	4.31	4.37	4.43
11.2750	4.49	4.55	4.61	4.67	4.73
11.3375	4.79	4.85	4.92	4.98	5.05
11.4000	5.11	5.17	5.24	5.30	5.36
11.4625	5.43	5.50	5.56	5.63	5.71
11.5250	5.80	5.91	6.05	6.22	6.41
11.5875	6.62	6.86	7.11	7.40	7.70
11.6500	8.07	8.45	8.89	9.34	9.82
11.7125	10.31	10.81	11.33	11.88	12.43
11.7750	13.02	13.60	14.18	14.76	15.34
11.8375	15.93	16.54	17.15	17.78	18.42
11.9000	19.07	19.82	20.62	21.68	22.82
11.9625	24.39	26.05	28.01	30.00	32.01
12.0250	34.00	35.82	37.58	39.07	40.47
12.0875	41.56	42.51	43.13	43.54	43.61
12.1500	43.33	42.66	41.64	40.32	38.83
12.2125	37.22	35.58	33.93	32.34	30.77
12.2750	29.41	28.08	26.96	25.86	24.91
12.3375	23.96	23.08	22.21	21.39	20.58
12.4000	19.83	19.09	18.38	17.68	16.99
12.4625	16.29	15.60	14.92	14.25	13.61
12.5250	12.99	12.41	11.83	11.29	10.75
12.5875	10.26	9.78	9.36	8.95	8.60
12.6500	8.26	7.97	7.69	7.47	7.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7125	7.08	6.92	6.77	6.64	6.51
12.7750	6.40	6.29	6.19	6.09	6.01
12.8375	5.92	5.84	5.76	5.68	5.60
12.9000	5.53	5.45	5.38	5.31	5.24
12.9625	5.17	5.10	5.04	4.97	4.90
13.0250	4.84	4.78	4.72	4.66	4.61
13.0875	4.55	4.50	4.45	4.41	4.37
13.1500	4.33	4.29	4.25	4.22	4.19
13.2125	4.17	4.14	4.12	4.10	4.07
13.2750	4.05	4.03	4.01	3.99	3.97
13.3375	3.95	3.93	3.91	3.90	3.88
13.4000	3.86	3.84	3.82	3.81	3.79
13.4625	3.77	3.75	3.74	3.72	3.70
13.5250	3.69	3.67	3.65	3.63	3.62
13.5875	3.60	3.58	3.56	3.55	3.53
13.6500	3.51	3.50	3.48	3.46	3.44
13.7125	3.43	3.41	3.39	3.38	3.36
13.7750	3.34	3.32	3.31	3.29	3.27
13.8375	3.26	3.24	3.22	3.20	3.19
13.9000	3.17	3.15	3.13	3.12	3.10
13.9625	3.08	3.06	3.05	3.03	3.01
14.0250	3.00	2.98	2.96	2.95	2.93
14.0875	2.92	2.90	2.89	2.88	2.86
14.1500	2.85	2.84	2.83	2.82	2.81
14.2125	2.80	2.79	2.78	2.77	2.76
14.2750	2.75	2.74	2.73	2.72	2.71
14.3375	2.71	2.70	2.69	2.68	2.67
14.4000	2.66	2.66	2.65	2.64	2.63
14.4625	2.62	2.61	2.61	2.60	2.59
14.5250	2.58	2.57	2.56	2.56	2.55
14.5875	2.54	2.53	2.52	2.51	2.51
14.6500	2.50	2.49	2.48	2.47	2.46
14.7125	2.46	2.45	2.44	2.43	2.42
14.7750	2.41	2.41	2.40	2.39	2.38
14.8375	2.37	2.37	2.36	2.35	2.34
14.9000	2.33	2.32	2.32	2.31	2.30
14.9625	2.29	2.28	2.27	2.27	2.26
15.0250	2.25	2.24	2.23	2.23	2.22
15.0875	2.21	2.20	2.19	2.18	2.17
15.1500	2.17	2.16	2.15	2.14	2.13
15.2125	2.13	2.12	2.11	2.10	2.09
15.2750	2.08	2.08	2.07	2.06	2.05
15.3375	2.04	2.03	2.03	2.02	2.01
15.4000	2.00	1.99	1.98	1.98	1.97
15.4625	1.96	1.95	1.94	1.93	1.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5250	1.92	1.91	1.90	1.89	1.88
15.5875	1.88	1.87	1.86	1.85	1.84
15.6500	1.84	1.83	1.82	1.81	1.80
15.7125	1.79	1.78	1.78	1.77	1.76
15.7750	1.75	1.74	1.73	1.73	1.72
15.8375	1.71	1.70	1.69	1.69	1.68
15.9000	1.67	1.66	1.65	1.64	1.64
15.9625	1.63	1.62	1.61	1.60	1.59
16.0250	1.59	1.58	1.57	1.56	1.56
16.0875	1.55	1.54	1.54	1.53	1.52
16.1500	1.52	1.51	1.51	1.50	1.50
16.2125	1.49	1.49	1.48	1.48	1.47
16.2750	1.47	1.47	1.46	1.46	1.46
16.3375	1.45	1.45	1.44	1.44	1.44
16.4000	1.43	1.43	1.43	1.42	1.42
16.4625	1.41	1.41	1.41	1.40	1.40
16.5250	1.40	1.39	1.39	1.39	1.38
16.5875	1.38	1.37	1.37	1.37	1.36
16.6500	1.36	1.36	1.35	1.35	1.35
16.7125	1.34	1.34	1.34	1.33	1.33
16.7750	1.33	1.32	1.32	1.31	1.31
16.8375	1.31	1.30	1.30	1.29	1.29
16.9000	1.29	1.28	1.28	1.28	1.27
16.9625	1.27	1.27	1.26	1.26	1.26
17.0250	1.25	1.25	1.24	1.24	1.24
17.0875	1.23	1.23	1.23	1.22	1.22
17.1500	1.22	1.21	1.21	1.21	1.20
17.2125	1.20	1.19	1.19	1.19	1.18
17.2750	1.18	1.18	1.17	1.17	1.17
17.3375	1.16	1.16	1.16	1.15	1.15
17.4000	1.14	1.14	1.14	1.13	1.13
17.4625	1.12	1.12	1.12	1.11	1.11
17.5250	1.11	1.10	1.10	1.10	1.09
17.5875	1.09	1.09	1.08	1.08	1.07
17.6500	1.07	1.07	1.06	1.06	1.06
17.7125	1.05	1.05	1.05	1.04	1.04
17.7750	1.04	1.03	1.03	1.02	1.02
17.8375	1.02	1.01	1.01	1.01	1.00
17.9000	1.00	1.00	.99	.99	.99
17.9625	.98	.98	.97	.97	.97
18.0250	.96	.96	.96	.95	.95
18.0875	.95	.94	.94	.94	.94
18.1500	.93	.93	.93	.93	.93
18.2125	.92	.92	.92	.92	.92
18.2750	.92	.92	.92	.91	.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3375	.91	.91	.91	.91	.91
18.4000	.91	.91	.90	.90	.90
18.4625	.90	.90	.90	.90	.90
18.5250	.90	.89	.89	.89	.89
18.5875	.89	.89	.89	.89	.89
18.6500	.88	.88	.88	.88	.88
18.7125	.88	.88	.88	.88	.87
18.7750	.87	.87	.87	.87	.87
18.8375	.87	.87	.87	.87	.86
18.9000	.86	.86	.86	.86	.86
18.9625	.86	.86	.85	.85	.85
19.0250	.85	.85	.85	.85	.85
19.0875	.85	.85	.84	.84	.84
19.1500	.84	.84	.84	.84	.84
19.2125	.84	.83	.83	.83	.83
19.2750	.83	.83	.83	.83	.83
19.3375	.82	.82	.82	.82	.82
19.4000	.82	.82	.82	.82	.82
19.4625	.81	.81	.81	.81	.81
19.5250	.81	.81	.81	.80	.80
19.5875	.80	.80	.80	.80	.80
19.6500	.80	.80	.80	.79	.79
19.7125	.79	.79	.79	.79	.79
19.7750	.79	.79	.78	.78	.78
19.8375	.78	.78	.78	.78	.78
19.9000	.78	.77	.77	.77	.77
19.9625	.77	.77	.77	.77	.77
20.0250	.77	.76	.76	.76	.76
20.0875	.76	.76	.76	.76	.76
20.1500	.75	.75	.75	.75	.75
20.2125	.75	.75	.75	.75	.75
20.2750	.75	.75	.75	.74	.74
20.3375	.74	.74	.74	.74	.74
20.4000	.74	.74	.74	.74	.73
20.4625	.73	.73	.73	.73	.73
20.5250	.73	.73	.73	.73	.73
20.5875	.73	.73	.72	.72	.72
20.6500	.72	.72	.72	.72	.72
20.7125	.72	.72	.71	.71	.71
20.7750	.71	.71	.71	.71	.71
20.8375	.71	.71	.71	.71	.71
20.9000	.71	.70	.70	.70	.70
20.9625	.70	.70	.70	.70	.70
21.0250	.70	.70	.70	.70	.70
21.0875	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1500	.69	.69	.69	.69	.69
21.2125	.68	.68	.68	.68	.68
21.2750	.68	.68	.68	.68	.68
21.3375	.68	.68	.68	.67	.67
21.4000	.67	.67	.67	.67	.67
21.4625	.67	.67	.67	.67	.66
21.5250	.66	.66	.66	.66	.66
21.5875	.66	.66	.66	.66	.66
21.6500	.66	.66	.66	.65	.65
21.7125	.65	.65	.65	.65	.65
21.7750	.65	.65	.65	.65	.65
21.8375	.65	.65	.64	.64	.64
21.9000	.64	.64	.64	.64	.64
21.9625	.64	.64	.63	.63	.63
22.0250	.63	.63	.63	.63	.63
22.0875	.63	.63	.63	.63	.63
22.1500	.62	.62	.62	.62	.62
22.2125	.62	.62	.62	.62	.62
22.2750	.62	.61	.61	.61	.61
22.3375	.61	.61	.61	.61	.61
22.4000	.61	.61	.61	.61	.60
22.4625	.60	.60	.60	.60	.60
22.5250	.60	.60	.60	.60	.60
22.5875	.60	.60	.59	.59	.59
22.6500	.59	.59	.59	.59	.59
22.7125	.59	.59	.59	.59	.58
22.7750	.58	.58	.58	.58	.58
22.8375	.58	.58	.58	.58	.58
22.9000	.58	.57	.57	.57	.57
22.9625	.57	.57	.57	.57	.57
23.0250	.57	.57	.57	.56	.56
23.0875	.56	.56	.56	.56	.56
23.1500	.56	.56	.56	.56	.55
23.2125	.55	.55	.55	.55	.55
23.2750	.55	.55	.55	.55	.55
23.3375	.55	.55	.54	.54	.54
23.4000	.54	.54	.54	.54	.54
23.4625	.54	.54	.54	.54	.54
23.5250	.54	.53	.53	.53	.53
23.5875	.53	.53	.53	.53	.53
23.6500	.53	.53	.52	.52	.52
23.7125	.52	.52	.52	.52	.52
23.7750	.52	.52	.52	.52	.52
23.8375	.51	.51	.51	.51	.51
23.9000	.51	.51	.51	.51	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.9625	.50	.50	.50	.50	.50
24.0250	.49	.48	.47	.44	.41
24.0875	.37	.34	.30	.26	.22
24.1500	.19	.16	.13	.11	.09
24.2125	.08	.07	.06	.05	.04
24.2750	.03	.03	.02	.02	.02
24.3375	.01	.01	.01	.01	.01
24.4000	.01	.00	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

Name... D.A. CC-3 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-3 25
Tc = .1800 hrs
Drainage Area = 10.600 acres Runoff CN= 94

=====
Computational Time Increment = .02400 hrs
Computed Peak Time = 12.1440 hrs
Computed Peak Flow = 52.09 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1374 hrs
Peak Flow, Interpolated Output = 52.06 cfs
=====

DRAINAGE AREA

ID:D.A. CC-3
CN = 94
Area = 10.600 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

5.7922 in
222871 cu.ft

HYG Volume... 222865 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .18000 hrs (ID: D.A. CC-3)
Computational Incr, Tm = .02400 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 66.72 cfs
Unit peak time Tp = .12000 hrs
Unit receding limb, Tr = .48000 hrs
Total unit time, Tb = .60000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-3 25
 Tc = .1800 hrs
 Drainage Area = 10.600 acres Runoff CN= 94
 Calc.Increment= .02400 hrs Out.Incr.= .0125 hrs
 HYG Volume = 222865 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
2.0500	.00	.00	.00	.00	.00
2.1125	.00	.01	.01	.01	.01
2.1750	.01	.01	.01	.02	.02
2.2375	.02	.02	.02	.02	.03
2.3000	.03	.03	.03	.03	.03
2.3625	.04	.04	.04	.04	.04
2.4250	.05	.05	.05	.05	.05
2.4875	.05	.06	.06	.06	.06
2.5500	.06	.07	.07	.07	.07
2.6125	.07	.08	.08	.08	.08
2.6750	.08	.08	.09	.09	.09
2.7375	.09	.09	.10	.10	.10
2.8000	.10	.10	.11	.11	.11
2.8625	.11	.11	.11	.12	.12
2.9250	.12	.12	.12	.13	.13
2.9875	.13	.13	.13	.14	.14
3.0500	.14	.14	.14	.15	.15
3.1125	.15	.15	.15	.16	.16
3.1750	.16	.16	.16	.17	.17
3.2375	.17	.17	.17	.17	.18
3.3000	.18	.18	.18	.18	.19
3.3625	.19	.19	.19	.19	.20
3.4250	.20	.20	.20	.20	.21
3.4875	.21	.21	.21	.21	.22
3.5500	.22	.22	.22	.22	.23
3.6125	.23	.23	.23	.23	.24
3.6750	.24	.24	.24	.24	.25
3.7375	.25	.25	.25	.25	.26
3.8000	.26	.26	.26	.26	.27
3.8625	.27	.27	.27	.27	.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.9250	.28	.28	.28	.28	.29
3.9875	.29	.29	.29	.29	.30
4.0500	.30	.30	.30	.30	.31
4.1125	.31	.31	.31	.32	.32
4.1750	.32	.32	.32	.33	.33
4.2375	.33	.33	.33	.34	.34
4.3000	.34	.34	.34	.35	.35
4.3625	.35	.35	.35	.36	.36
4.4250	.36	.36	.36	.37	.37
4.4875	.37	.37	.37	.38	.38
4.5500	.38	.38	.38	.39	.39
4.6125	.39	.39	.39	.40	.40
4.6750	.40	.40	.40	.41	.41
4.7375	.41	.41	.41	.42	.42
4.8000	.42	.42	.42	.43	.43
4.8625	.43	.43	.44	.44	.44
4.9250	.44	.44	.45	.45	.45
4.9875	.45	.45	.46	.46	.46
5.0500	.46	.46	.47	.47	.47
5.1125	.47	.47	.48	.48	.48
5.1750	.48	.48	.49	.49	.49
5.2375	.49	.49	.50	.50	.50
5.3000	.50	.50	.51	.51	.51
5.3625	.51	.51	.52	.52	.52
5.4250	.52	.52	.53	.53	.53
5.4875	.53	.53	.54	.54	.54
5.5500	.54	.55	.55	.55	.55
5.6125	.55	.56	.56	.56	.56
5.6750	.56	.57	.57	.57	.57
5.7375	.57	.58	.58	.58	.58
5.8000	.58	.59	.59	.59	.59
5.8625	.59	.60	.60	.60	.60
5.9250	.60	.61	.61	.61	.61
5.9875	.61	.62	.62	.62	.62
6.0500	.62	.63	.63	.63	.63
6.1125	.64	.64	.64	.65	.65
6.1750	.65	.66	.66	.66	.67
6.2375	.67	.67	.68	.68	.68
6.3000	.69	.69	.70	.70	.70
6.3625	.71	.71	.71	.72	.72
6.4250	.73	.73	.73	.74	.74
6.4875	.75	.75	.75	.76	.76
6.5500	.77	.77	.77	.78	.78
6.6125	.79	.79	.79	.80	.80
6.6750	.81	.81	.82	.82	.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.7375	.83	.83	.84	.84	.84
6.8000	.85	.85	.86	.86	.87
6.8625	.87	.87	.88	.88	.89
6.9250	.89	.90	.90	.90	.91
6.9875	.91	.92	.92	.93	.93
7.0500	.93	.94	.94	.95	.95
7.1125	.96	.96	.97	.97	.97
7.1750	.98	.98	.99	.99	1.00
7.2375	1.00	1.00	1.01	1.01	1.02
7.3000	1.02	1.03	1.03	1.04	1.04
7.3625	1.05	1.05	1.05	1.06	1.06
7.4250	1.07	1.07	1.08	1.08	1.09
7.4875	1.09	1.10	1.10	1.10	1.11
7.5500	1.11	1.12	1.12	1.13	1.13
7.6125	1.14	1.14	1.15	1.15	1.15
7.6750	1.16	1.16	1.17	1.17	1.18
7.7375	1.18	1.19	1.19	1.20	1.20
7.8000	1.21	1.21	1.22	1.22	1.22
7.8625	1.23	1.23	1.24	1.24	1.25
7.9250	1.25	1.26	1.26	1.27	1.27
7.9875	1.28	1.28	1.29	1.29	1.30
8.0500	1.30	1.31	1.31	1.32	1.33
8.1125	1.33	1.34	1.35	1.35	1.36
8.1750	1.37	1.38	1.38	1.39	1.40
8.2375	1.41	1.42	1.43	1.43	1.44
8.3000	1.45	1.46	1.47	1.48	1.49
8.3625	1.50	1.51	1.52	1.53	1.53
8.4250	1.54	1.55	1.56	1.57	1.58
8.4875	1.59	1.60	1.61	1.62	1.63
8.5500	1.64	1.65	1.66	1.67	1.68
8.6125	1.69	1.70	1.71	1.71	1.72
8.6750	1.73	1.74	1.75	1.76	1.77
8.7375	1.78	1.79	1.80	1.81	1.82
8.8000	1.83	1.84	1.85	1.86	1.87
8.8625	1.88	1.89	1.90	1.91	1.92
8.9250	1.93	1.94	1.95	1.96	1.97
8.9875	1.98	1.99	2.00	2.01	2.02
9.0500	2.03	2.04	2.05	2.06	2.07
9.1125	2.08	2.09	2.10	2.11	2.12
9.1750	2.13	2.14	2.15	2.16	2.17
9.2375	2.18	2.19	2.20	2.21	2.22
9.3000	2.23	2.25	2.26	2.27	2.28
9.3625	2.29	2.30	2.31	2.32	2.33
9.4250	2.34	2.35	2.36	2.37	2.38
9.4875	2.39	2.40	2.41	2.42	2.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.5500	2.44	2.45	2.46	2.47	2.48
9.6125	2.49	2.50	2.51	2.53	2.54
9.6750	2.55	2.56	2.57	2.58	2.59
9.7375	2.60	2.61	2.62	2.63	2.64
9.8000	2.65	2.66	2.67	2.68	2.69
9.8625	2.71	2.72	2.73	2.74	2.75
9.9250	2.76	2.77	2.78	2.79	2.80
9.9875	2.81	2.82	2.83	2.85	2.86
10.0500	2.87	2.88	2.89	2.91	2.92
10.1125	2.94	2.95	2.96	2.98	3.00
10.1750	3.01	3.03	3.05	3.07	3.09
10.2375	3.10	3.12	3.14	3.16	3.18
10.3000	3.20	3.22	3.24	3.26	3.28
10.3625	3.30	3.33	3.35	3.37	3.39
10.4250	3.41	3.43	3.45	3.47	3.49
10.4875	3.51	3.53	3.55	3.57	3.59
10.5500	3.61	3.63	3.66	3.68	3.70
10.6125	3.72	3.74	3.76	3.78	3.80
10.6750	3.82	3.84	3.87	3.89	3.91
10.7375	3.93	3.95	3.97	3.99	4.01
10.8000	4.03	4.05	4.08	4.10	4.12
10.8625	4.14	4.16	4.18	4.20	4.22
10.9250	4.25	4.27	4.29	4.31	4.33
10.9875	4.35	4.38	4.40	4.42	4.45
11.0500	4.48	4.51	4.54	4.58	4.62
11.1125	4.66	4.70	4.75	4.80	4.85
11.1750	4.91	4.97	5.04	5.10	5.16
11.2375	5.23	5.30	5.37	5.45	5.52
11.3000	5.59	5.66	5.74	5.81	5.88
11.3625	5.96	6.04	6.12	6.19	6.27
11.4250	6.34	6.42	6.49	6.57	6.65
11.4875	6.73	6.82	6.91	7.02	7.15
11.5500	7.31	7.52	7.75	8.00	8.29
11.6125	8.59	8.94	9.30	9.74	10.20
11.6750	10.73	11.27	11.85	12.43	13.04
11.7375	13.65	14.31	14.98	15.68	16.38
11.8000	17.07	17.77	18.46	19.17	19.88
11.8625	20.62	21.37	22.13	22.90	23.79
11.9250	24.75	26.01	27.38	29.25	31.22
11.9875	33.56	35.93	38.32	40.69	42.85
12.0500	44.95	46.72	48.38	49.66	50.78
12.1125	51.51	51.98	52.06	51.71	50.89
12.1750	49.66	48.09	46.30	44.37	42.41
12.2375	40.43	38.54	36.66	35.03	33.44
12.3000	32.11	30.79	29.66	28.53	27.48

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.3625	26.44	25.45	24.49	23.59	22.71
12.4250	21.87	21.03	20.21	19.38	18.55
12.4875	17.74	16.95	16.19	15.45	14.75
12.5500	14.07	13.42	12.78	12.20	11.62
12.6125	11.13	10.64	10.22	9.82	9.47
12.6750	9.14	8.88	8.63	8.42	8.22
12.7375	8.05	7.89	7.74	7.60	7.47
12.8000	7.35	7.24	7.14	7.03	6.94
12.8625	6.84	6.75	6.65	6.57	6.48
12.9250	6.40	6.31	6.23	6.15	6.06
12.9875	5.98	5.90	5.83	5.75	5.68
13.0500	5.61	5.54	5.47	5.41	5.35
13.1125	5.29	5.24	5.19	5.14	5.09
13.1750	5.05	5.02	4.98	4.95	4.92
13.2375	4.89	4.86	4.84	4.81	4.79
13.3000	4.76	4.74	4.72	4.69	4.67
13.3625	4.65	4.63	4.60	4.58	4.56
13.4250	4.54	4.52	4.50	4.48	4.46
13.4875	4.44	4.42	4.40	4.38	4.36
13.5500	4.34	4.31	4.29	4.27	4.25
13.6125	4.23	4.21	4.19	4.17	4.15
13.6750	4.13	4.11	4.09	4.07	4.05
13.7375	4.03	4.01	3.99	3.97	3.95
13.8000	3.93	3.91	3.89	3.87	3.85
13.8625	3.82	3.80	3.78	3.76	3.74
13.9250	3.72	3.70	3.68	3.66	3.64
13.9875	3.62	3.60	3.58	3.56	3.54
14.0500	3.52	3.50	3.48	3.46	3.45
14.1125	3.43	3.41	3.40	3.38	3.37
14.1750	3.36	3.34	3.33	3.32	3.31
14.2375	3.30	3.29	3.28	3.26	3.25
14.3000	3.24	3.23	3.22	3.21	3.20
14.3625	3.19	3.18	3.17	3.16	3.15
14.4250	3.14	3.13	3.12	3.11	3.10
14.4875	3.09	3.08	3.07	3.06	3.05
14.5500	3.04	3.03	3.02	3.01	3.00
14.6125	2.99	2.98	2.97	2.96	2.95
14.6750	2.94	2.93	2.92	2.91	2.91
14.7375	2.90	2.89	2.88	2.87	2.86
14.8000	2.85	2.84	2.83	2.82	2.81
14.8625	2.80	2.79	2.78	2.77	2.76
14.9250	2.75	2.74	2.73	2.72	2.71
14.9875	2.70	2.69	2.68	2.67	2.66
15.0500	2.65	2.64	2.63	2.62	2.61
15.1125	2.60	2.59	2.58	2.57	2.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.1750	2.55	2.54	2.53	2.52	2.51
15.2375	2.50	2.49	2.48	2.47	2.46
15.3000	2.45	2.44	2.43	2.42	2.41
15.3625	2.40	2.39	2.38	2.37	2.36
15.4250	2.35	2.34	2.34	2.33	2.32
15.4875	2.30	2.29	2.29	2.28	2.27
15.5500	2.26	2.25	2.24	2.23	2.22
15.6125	2.21	2.20	2.19	2.18	2.17
15.6750	2.16	2.15	2.14	2.13	2.12
15.7375	2.11	2.10	2.09	2.08	2.07
15.8000	2.06	2.05	2.04	2.03	2.02
15.8625	2.01	2.00	1.99	1.98	1.97
15.9250	1.96	1.95	1.94	1.93	1.92
15.9875	1.91	1.90	1.89	1.88	1.87
16.0500	1.86	1.86	1.85	1.84	1.83
16.1125	1.82	1.82	1.81	1.80	1.79
16.1750	1.79	1.78	1.78	1.77	1.76
16.2375	1.76	1.75	1.75	1.74	1.74
16.3000	1.74	1.73	1.73	1.72	1.72
16.3625	1.71	1.71	1.70	1.70	1.70
16.4250	1.69	1.69	1.68	1.68	1.67
16.4875	1.67	1.66	1.66	1.66	1.65
16.5500	1.65	1.64	1.64	1.64	1.63
16.6125	1.63	1.62	1.62	1.61	1.61
16.6750	1.60	1.60	1.60	1.59	1.59
16.7375	1.58	1.58	1.58	1.57	1.57
16.8000	1.56	1.56	1.55	1.55	1.54
16.8625	1.54	1.54	1.53	1.53	1.52
16.9250	1.52	1.52	1.51	1.51	1.50
16.9875	1.50	1.49	1.49	1.48	1.48
17.0500	1.48	1.47	1.47	1.46	1.46
17.1125	1.46	1.45	1.45	1.44	1.44
17.1750	1.43	1.43	1.43	1.42	1.42
17.2375	1.41	1.41	1.40	1.40	1.39
17.3000	1.39	1.39	1.38	1.38	1.37
17.3625	1.37	1.37	1.36	1.36	1.35
17.4250	1.35	1.34	1.34	1.33	1.33
17.4875	1.33	1.32	1.32	1.31	1.31
17.5500	1.31	1.30	1.30	1.29	1.29
17.6125	1.28	1.28	1.27	1.27	1.27
17.6750	1.26	1.26	1.25	1.25	1.25
17.7375	1.24	1.24	1.23	1.23	1.22
17.8000	1.22	1.21	1.21	1.21	1.20
17.8625	1.20	1.19	1.19	1.18	1.18
17.9250	1.18	1.17	1.17	1.16	1.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9875	1.15	1.15	1.15	1.14	1.14
18.0500	1.13	1.13	1.12	1.12	1.12
18.1125	1.11	1.11	1.11	1.11	1.10
18.1750	1.10	1.10	1.10	1.10	1.09
18.2375	1.09	1.09	1.09	1.09	1.09
18.3000	1.09	1.08	1.08	1.08	1.08
18.3625	1.08	1.08	1.08	1.07	1.07
18.4250	1.07	1.07	1.07	1.07	1.07
18.4875	1.07	1.06	1.06	1.06	1.06
18.5500	1.06	1.06	1.06	1.06	1.05
18.6125	1.05	1.05	1.05	1.05	1.05
18.6750	1.05	1.05	1.04	1.04	1.04
18.7375	1.04	1.04	1.04	1.04	1.03
18.8000	1.03	1.03	1.03	1.03	1.03
18.8625	1.03	1.03	1.02	1.02	1.02
18.9250	1.02	1.02	1.02	1.02	1.02
18.9875	1.01	1.01	1.01	1.01	1.01
19.0500	1.01	1.01	1.01	1.00	1.00
19.1125	1.00	1.00	1.00	1.00	1.00
19.1750	.99	.99	.99	.99	.99
19.2375	.99	.99	.99	.98	.98
19.3000	.98	.98	.98	.98	.98
19.3625	.97	.97	.97	.97	.97
19.4250	.97	.97	.97	.97	.96
19.4875	.96	.96	.96	.96	.96
19.5500	.96	.95	.95	.95	.95
19.6125	.95	.95	.95	.95	.94
19.6750	.94	.94	.94	.94	.94
19.7375	.94	.94	.93	.93	.93
19.8000	.93	.93	.93	.93	.93
19.8625	.92	.92	.92	.92	.92
19.9250	.92	.92	.91	.91	.91
19.9875	.91	.91	.91	.91	.91
20.0500	.91	.90	.90	.90	.90
20.1125	.90	.90	.90	.89	.89
20.1750	.89	.89	.89	.89	.89
20.2375	.89	.89	.89	.89	.89
20.3000	.88	.88	.88	.88	.88
20.3625	.88	.88	.88	.87	.87
20.4250	.87	.87	.87	.87	.87
20.4875	.87	.87	.87	.87	.86
20.5500	.86	.86	.86	.86	.86
20.6125	.86	.86	.86	.86	.86
20.6750	.85	.85	.85	.85	.85
20.7375	.85	.85	.85	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8000	.84	.84	.84	.84	.84
20.8625	.84	.84	.84	.84	.84
20.9250	.83	.83	.83	.83	.83
20.9875	.83	.83	.83	.83	.83
21.0500	.83	.83	.82	.82	.82
21.1125	.82	.82	.82	.82	.82
21.1750	.82	.81	.81	.81	.81
21.2375	.81	.81	.81	.81	.81
21.3000	.81	.80	.80	.80	.80
21.3625	.80	.80	.80	.80	.80
21.4250	.80	.80	.79	.79	.79
21.4875	.79	.79	.79	.79	.79
21.5500	.78	.78	.78	.78	.78
21.6125	.78	.78	.78	.78	.78
21.6750	.78	.78	.77	.77	.77
21.7375	.77	.77	.77	.77	.77
21.8000	.77	.77	.77	.77	.76
21.8625	.76	.76	.76	.76	.76
21.9250	.76	.76	.76	.75	.75
21.9875	.75	.75	.75	.75	.75
22.0500	.75	.75	.75	.74	.74
22.1125	.74	.74	.74	.74	.74
22.1750	.74	.74	.74	.74	.73
22.2375	.73	.73	.73	.73	.73
22.3000	.73	.73	.72	.72	.72
22.3625	.72	.72	.72	.72	.72
22.4250	.72	.72	.72	.72	.71
22.4875	.71	.71	.71	.71	.71
22.5500	.71	.71	.71	.71	.71
22.6125	.70	.70	.70	.70	.70
22.6750	.70	.70	.70	.70	.70
22.7375	.70	.69	.69	.69	.69
22.8000	.69	.69	.69	.69	.69
22.8625	.68	.68	.68	.68	.68
22.9250	.68	.68	.68	.68	.68
22.9875	.68	.67	.67	.67	.67
23.0500	.67	.67	.67	.67	.67
23.1125	.66	.66	.66	.66	.66
23.1750	.66	.66	.66	.66	.66
23.2375	.66	.65	.65	.65	.65
23.3000	.65	.65	.65	.65	.65
23.3625	.65	.64	.64	.64	.64
23.4250	.64	.64	.64	.64	.64
23.4875	.64	.64	.64	.63	.63
23.5500	.63	.63	.63	.63	.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6125	.63	.63	.62	.62	.62
23.6750	.62	.62	.62	.62	.62
23.7375	.62	.62	.62	.61	.61
23.8000	.61	.61	.61	.61	.61
23.8625	.61	.61	.60	.60	.60
23.9250	.60	.60	.60	.60	.60
23.9875	.60	.60	.59	.58	.57
24.0500	.55	.52	.49	.44	.40
24.1125	.35	.31	.27	.23	.19
24.1750	.16	.13	.11	.09	.08
24.2375	.07	.06	.05	.04	.03
24.3000	.03	.02	.02	.02	.01
24.3625	.01	.01	.01	.01	.01
24.4250	.00	.00	.00	.00	.00
24.4875	.00	.00	.00		

Name... D.A. CC-3 Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-3 50
Tc = .1800 hrs
Drainage Area = 10.600 acres Runoff CN= 94

=====
Computational Time Increment = .02400 hrs
Computed Peak Time = 12.1440 hrs
Computed Peak Flow = 56.30 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1374 hrs
Peak Flow, Interpolated Output = 56.26 cfs
=====

DRAINAGE AREA

ID:D.A. CC-3
CN = 94
Area = 10.600 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

6.2883 in
241961 cu.ft

HYG Volume... 241954 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .18000 hrs (ID: D.A. CC-3)
Computational Incr, Tm = .02400 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 66.72 cfs
Unit peak time Tp = .12000 hrs
Unit receding limb, Tr = .48000 hrs
Total unit time, Tb = .60000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-3 50
 Tc = .1800 hrs
 Drainage Area = 10.600 acres Runoff CN= 94
 Calc.Increment= .02400 hrs Out.Incr.= .0125 hrs
 HYG Volume = 241954 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
1.9000	.00	.00	.00	.00	.00
1.9625	.00	.01	.01	.01	.01
2.0250	.01	.01	.01	.02	.02
2.0875	.02	.02	.02	.03	.03
2.1500	.03	.03	.03	.04	.04
2.2125	.04	.04	.04	.05	.05
2.2750	.05	.05	.05	.06	.06
2.3375	.06	.06	.06	.07	.07
2.4000	.07	.07	.07	.08	.08
2.4625	.08	.08	.08	.09	.09
2.5250	.09	.09	.09	.10	.10
2.5875	.10	.10	.10	.11	.11
2.6500	.11	.11	.12	.12	.12
2.7125	.12	.12	.13	.13	.13
2.7750	.13	.13	.14	.14	.14
2.8375	.14	.14	.15	.15	.15
2.9000	.15	.16	.16	.16	.16
2.9625	.16	.17	.17	.17	.17
3.0250	.17	.18	.18	.18	.18
3.0875	.19	.19	.19	.19	.19
3.1500	.20	.20	.20	.20	.21
3.2125	.21	.21	.21	.21	.22
3.2750	.22	.22	.22	.22	.23
3.3375	.23	.23	.23	.24	.24
3.4000	.24	.24	.24	.25	.25
3.4625	.25	.25	.26	.26	.26
3.5250	.26	.26	.27	.27	.27
3.5875	.27	.28	.28	.28	.28
3.6500	.28	.29	.29	.29	.29
3.7125	.29	.30	.30	.30	.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.7750	.31	.31	.31	.31	.31
3.8375	.32	.32	.32	.32	.33
3.9000	.33	.33	.33	.33	.34
3.9625	.34	.34	.34	.35	.35
4.0250	.35	.35	.35	.36	.36
4.0875	.36	.36	.37	.37	.37
4.1500	.37	.37	.38	.38	.38
4.2125	.38	.39	.39	.39	.39
4.2750	.39	.40	.40	.40	.40
4.3375	.41	.41	.41	.41	.41
4.4000	.42	.42	.42	.42	.43
4.4625	.43	.43	.43	.43	.44
4.5250	.44	.44	.44	.45	.45
4.5875	.45	.45	.45	.46	.46
4.6500	.46	.46	.47	.47	.47
4.7125	.47	.47	.48	.48	.48
4.7750	.48	.49	.49	.49	.49
4.8375	.49	.50	.50	.50	.50
4.9000	.51	.51	.51	.51	.51
4.9625	.52	.52	.52	.52	.53
5.0250	.53	.53	.53	.53	.54
5.0875	.54	.54	.54	.55	.55
5.1500	.55	.55	.55	.56	.56
5.2125	.56	.56	.57	.57	.57
5.2750	.57	.57	.58	.58	.58
5.3375	.58	.59	.59	.59	.59
5.4000	.59	.60	.60	.60	.60
5.4625	.60	.61	.61	.61	.61
5.5250	.62	.62	.62	.62	.62
5.5875	.63	.63	.63	.63	.64
5.6500	.64	.64	.64	.64	.65
5.7125	.65	.65	.65	.66	.66
5.7750	.66	.66	.66	.67	.67
5.8375	.67	.67	.67	.68	.68
5.9000	.68	.68	.69	.69	.69
5.9625	.69	.69	.70	.70	.70
6.0250	.70	.71	.71	.71	.71
6.0875	.72	.72	.72	.73	.73
6.1500	.73	.73	.74	.74	.75
6.2125	.75	.75	.76	.76	.76
6.2750	.77	.77	.78	.78	.79
6.3375	.79	.79	.80	.80	.81
6.4000	.81	.81	.82	.82	.83
6.4625	.83	.84	.84	.85	.85
6.5250	.85	.86	.86	.87	.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.5875	.88	.88	.89	.89	.89
6.6500	.90	.90	.91	.91	.92
6.7125	.92	.93	.93	.94	.94
6.7750	.94	.95	.95	.96	.96
6.8375	.97	.97	.98	.98	.99
6.9000	.99	1.00	1.00	1.00	1.01
6.9625	1.01	1.02	1.02	1.03	1.03
7.0250	1.04	1.04	1.05	1.05	1.06
7.0875	1.06	1.07	1.07	1.08	1.08
7.1500	1.09	1.09	1.10	1.10	1.10
7.2125	1.11	1.11	1.12	1.12	1.13
7.2750	1.13	1.14	1.14	1.15	1.15
7.3375	1.16	1.16	1.17	1.17	1.18
7.4000	1.18	1.19	1.19	1.20	1.20
7.4625	1.21	1.21	1.22	1.22	1.23
7.5250	1.23	1.24	1.24	1.25	1.25
7.5875	1.26	1.26	1.27	1.27	1.28
7.6500	1.28	1.29	1.29	1.30	1.30
7.7125	1.31	1.31	1.32	1.32	1.33
7.7750	1.33	1.34	1.34	1.35	1.35
7.8375	1.36	1.36	1.37	1.37	1.38
7.9000	1.38	1.39	1.39	1.40	1.40
7.9625	1.41	1.41	1.42	1.42	1.43
8.0250	1.43	1.44	1.44	1.45	1.46
8.0875	1.46	1.47	1.48	1.48	1.49
8.1500	1.50	1.51	1.52	1.53	1.53
8.2125	1.54	1.55	1.56	1.57	1.58
8.2750	1.59	1.60	1.61	1.62	1.63
8.3375	1.64	1.65	1.66	1.67	1.68
8.4000	1.69	1.70	1.71	1.72	1.73
8.4625	1.74	1.75	1.76	1.77	1.78
8.5250	1.79	1.80	1.81	1.82	1.83
8.5875	1.84	1.85	1.86	1.87	1.88
8.6500	1.89	1.90	1.92	1.93	1.94
8.7125	1.95	1.96	1.97	1.98	1.99
8.7750	2.00	2.01	2.02	2.03	2.04
8.8375	2.05	2.06	2.07	2.09	2.10
8.9000	2.11	2.12	2.13	2.14	2.15
8.9625	2.16	2.17	2.18	2.19	2.20
9.0250	2.21	2.23	2.24	2.25	2.26
9.0875	2.27	2.28	2.29	2.30	2.31
9.1500	2.32	2.34	2.35	2.36	2.37
9.2125	2.38	2.39	2.40	2.41	2.42
9.2750	2.43	2.45	2.46	2.47	2.48
9.3375	2.49	2.50	2.51	2.52	2.54

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4000	2.55	2.56	2.57	2.58	2.59
9.4625	2.60	2.61	2.62	2.64	2.65
9.5250	2.66	2.67	2.68	2.69	2.70
9.5875	2.71	2.73	2.74	2.75	2.76
9.6500	2.77	2.78	2.79	2.80	2.82
9.7125	2.83	2.84	2.85	2.86	2.87
9.7750	2.89	2.90	2.91	2.92	2.93
9.8375	2.94	2.95	2.96	2.98	2.99
9.9000	3.00	3.01	3.02	3.03	3.04
9.9625	3.06	3.07	3.08	3.09	3.10
10.0250	3.11	3.13	3.14	3.15	3.17
10.0875	3.18	3.20	3.21	3.23	3.24
10.1500	3.26	3.28	3.30	3.32	3.33
10.2125	3.35	3.37	3.39	3.41	3.44
10.2750	3.46	3.48	3.50	3.52	3.54
10.3375	3.57	3.59	3.61	3.63	3.65
10.4000	3.68	3.70	3.72	3.74	3.76
10.4625	3.79	3.81	3.83	3.85	3.88
10.5250	3.90	3.92	3.94	3.97	3.99
10.5875	4.01	4.03	4.06	4.08	4.10
10.6500	4.12	4.15	4.17	4.19	4.22
10.7125	4.24	4.26	4.28	4.30	4.33
10.7750	4.35	4.37	4.40	4.42	4.44
10.8375	4.46	4.49	4.51	4.53	4.56
10.9000	4.58	4.60	4.63	4.65	4.67
10.9625	4.69	4.72	4.74	4.76	4.79
11.0250	4.81	4.84	4.87	4.91	4.94
11.0875	4.98	5.03	5.07	5.12	5.17
11.1500	5.22	5.28	5.34	5.41	5.48
11.2125	5.55	5.62	5.69	5.76	5.84
11.2750	5.92	6.00	6.08	6.16	6.24
11.3375	6.32	6.40	6.48	6.57	6.65
11.4000	6.73	6.81	6.89	6.98	7.06
11.4625	7.14	7.23	7.32	7.41	7.51
11.5250	7.63	7.77	7.94	8.16	8.41
11.5875	8.69	9.00	9.33	9.70	10.10
11.6500	10.57	11.07	11.65	12.23	12.86
11.7125	13.49	14.14	14.81	15.52	16.25
11.7750	17.00	17.76	18.51	19.26	20.01
11.8375	20.78	21.55	22.35	23.16	23.98
11.9000	24.81	25.78	26.81	28.17	29.64
11.9625	31.67	33.80	36.32	38.88	41.47
12.0250	44.03	46.36	48.62	50.53	52.32
12.0875	53.70	54.90	55.68	56.19	56.26
12.1500	55.88	55.00	53.66	51.96	50.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2125	47.93	45.81	43.67	41.63	39.60
12.2750	37.84	36.11	34.67	33.25	32.02
12.3375	30.80	29.67	28.54	27.48	26.44
12.4000	25.47	24.52	23.61	22.70	21.81
12.4625	20.92	20.02	19.15	18.29	17.47
12.5250	16.68	15.92	15.18	14.48	13.79
12.5875	13.16	12.54	12.01	11.48	11.03
12.6500	10.59	10.22	9.87	9.58	9.31
12.7125	9.08	8.87	8.69	8.51	8.35
12.7750	8.20	8.06	7.94	7.81	7.70
12.8375	7.59	7.48	7.38	7.28	7.18
12.9000	7.08	6.99	6.90	6.81	6.72
12.9625	6.63	6.54	6.45	6.37	6.29
13.0250	6.20	6.13	6.05	5.97	5.90
13.0875	5.83	5.77	5.71	5.65	5.60
13.1500	5.54	5.50	5.45	5.41	5.37
13.2125	5.34	5.31	5.28	5.25	5.22
13.2750	5.19	5.16	5.14	5.11	5.09
13.3375	5.06	5.04	5.01	4.99	4.97
13.4000	4.94	4.92	4.90	4.88	4.85
13.4625	4.83	4.81	4.79	4.76	4.74
13.5250	4.72	4.70	4.68	4.65	4.63
13.5875	4.61	4.59	4.57	4.54	4.52
13.6500	4.50	4.48	4.46	4.43	4.41
13.7125	4.39	4.37	4.35	4.32	4.30
13.7750	4.28	4.26	4.23	4.21	4.19
13.8375	4.17	4.15	4.12	4.10	4.08
13.9000	4.06	4.04	4.01	3.99	3.97
13.9625	3.95	3.92	3.90	3.88	3.86
14.0250	3.84	3.82	3.80	3.78	3.76
14.0875	3.74	3.72	3.70	3.68	3.67
14.1500	3.65	3.63	3.62	3.61	3.59
14.2125	3.58	3.57	3.56	3.54	3.53
14.2750	3.52	3.51	3.50	3.49	3.48
14.3375	3.46	3.45	3.44	3.43	3.42
14.4000	3.41	3.40	3.39	3.38	3.37
14.4625	3.36	3.35	3.34	3.32	3.31
14.5250	3.30	3.29	3.28	3.27	3.26
14.5875	3.25	3.24	3.23	3.22	3.21
14.6500	3.20	3.19	3.18	3.17	3.15
14.7125	3.14	3.13	3.12	3.11	3.10
14.7750	3.09	3.08	3.07	3.06	3.05
14.8375	3.04	3.03	3.02	3.01	3.00
14.9000	2.98	2.97	2.96	2.95	2.94
14.9625	2.93	2.92	2.91	2.90	2.89

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0250	2.88	2.87	2.86	2.85	2.84
15.0875	2.83	2.81	2.80	2.79	2.78
15.1500	2.77	2.76	2.75	2.74	2.73
15.2125	2.72	2.71	2.70	2.69	2.68
15.2750	2.67	2.66	2.64	2.63	2.62
15.3375	2.61	2.60	2.59	2.58	2.57
15.4000	2.56	2.55	2.54	2.53	2.52
15.4625	2.51	2.50	2.49	2.47	2.46
15.5250	2.45	2.44	2.43	2.42	2.41
15.5875	2.40	2.39	2.38	2.37	2.36
15.6500	2.35	2.34	2.33	2.32	2.30
15.7125	2.29	2.28	2.27	2.26	2.25
15.7750	2.24	2.23	2.22	2.21	2.20
15.8375	2.19	2.18	2.17	2.16	2.15
15.9000	2.13	2.12	2.11	2.10	2.09
15.9625	2.08	2.07	2.06	2.05	2.04
16.0250	2.03	2.02	2.01	2.00	1.99
16.0875	1.98	1.97	1.97	1.96	1.95
16.1500	1.94	1.94	1.93	1.92	1.91
16.2125	1.91	1.90	1.90	1.89	1.89
16.2750	1.88	1.88	1.87	1.87	1.86
16.3375	1.86	1.85	1.85	1.84	1.84
16.4000	1.83	1.83	1.82	1.82	1.81
16.4625	1.81	1.80	1.80	1.80	1.79
16.5250	1.79	1.78	1.78	1.77	1.77
16.5875	1.76	1.76	1.75	1.75	1.74
16.6500	1.74	1.73	1.73	1.73	1.72
16.7125	1.72	1.71	1.71	1.70	1.70
16.7750	1.69	1.69	1.68	1.68	1.67
16.8375	1.67	1.67	1.66	1.66	1.65
16.9000	1.65	1.64	1.64	1.63	1.63
16.9625	1.63	1.62	1.62	1.61	1.61
17.0250	1.60	1.60	1.59	1.59	1.58
17.0875	1.58	1.57	1.57	1.56	1.56
17.1500	1.56	1.55	1.55	1.54	1.54
17.2125	1.53	1.53	1.52	1.52	1.51
17.2750	1.51	1.50	1.50	1.50	1.49
17.3375	1.49	1.48	1.48	1.47	1.47
17.4000	1.46	1.46	1.45	1.45	1.44
17.4625	1.44	1.43	1.43	1.43	1.42
17.5250	1.42	1.41	1.41	1.40	1.40
17.5875	1.39	1.39	1.38	1.38	1.37
17.6500	1.37	1.36	1.36	1.36	1.35
17.7125	1.35	1.34	1.34	1.33	1.33
17.7750	1.32	1.32	1.31	1.31	1.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8375	1.30	1.30	1.29	1.29	1.28
17.9000	1.28	1.27	1.27	1.26	1.26
17.9625	1.26	1.25	1.25	1.24	1.24
18.0250	1.23	1.23	1.22	1.22	1.21
18.0875	1.21	1.21	1.20	1.20	1.20
18.1500	1.19	1.19	1.19	1.19	1.18
18.2125	1.18	1.18	1.18	1.18	1.18
18.2750	1.17	1.17	1.17	1.17	1.17
18.3375	1.17	1.16	1.16	1.16	1.16
18.4000	1.16	1.16	1.16	1.15	1.15
18.4625	1.15	1.15	1.15	1.15	1.15
18.5250	1.14	1.14	1.14	1.14	1.14
18.5875	1.14	1.14	1.14	1.13	1.13
18.6500	1.13	1.13	1.13	1.13	1.13
18.7125	1.12	1.12	1.12	1.12	1.12
18.7750	1.12	1.12	1.11	1.11	1.11
18.8375	1.11	1.11	1.11	1.11	1.10
18.9000	1.10	1.10	1.10	1.10	1.10
18.9625	1.10	1.09	1.09	1.09	1.09
19.0250	1.09	1.09	1.09	1.09	1.08
19.0875	1.08	1.08	1.08	1.08	1.08
19.1500	1.07	1.07	1.07	1.07	1.07
19.2125	1.07	1.07	1.07	1.06	1.06
19.2750	1.06	1.06	1.06	1.06	1.06
19.3375	1.05	1.05	1.05	1.05	1.05
19.4000	1.05	1.05	1.05	1.04	1.04
19.4625	1.04	1.04	1.04	1.04	1.03
19.5250	1.03	1.03	1.03	1.03	1.03
19.5875	1.03	1.03	1.02	1.02	1.02
19.6500	1.02	1.02	1.02	1.02	1.01
19.7125	1.01	1.01	1.01	1.01	1.01
19.7750	1.01	1.00	1.00	1.00	1.00
19.8375	1.00	1.00	1.00	1.00	.99
19.9000	.99	.99	.99	.99	.99
19.9625	.98	.98	.98	.98	.98
20.0250	.98	.98	.98	.97	.97
20.0875	.97	.97	.97	.97	.97
20.1500	.96	.96	.96	.96	.96
20.2125	.96	.96	.96	.96	.96
20.2750	.96	.95	.95	.95	.95
20.3375	.95	.95	.95	.95	.94
20.4000	.94	.94	.94	.94	.94
20.4625	.94	.94	.94	.94	.93
20.5250	.93	.93	.93	.93	.93
20.5875	.93	.93	.93	.93	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.6500	.92	.92	.92	.92	.92
20.7125	.92	.91	.91	.91	.91
20.7750	.91	.91	.91	.91	.91
20.8375	.91	.91	.91	.90	.90
20.9000	.90	.90	.90	.90	.90
20.9625	.90	.90	.89	.89	.89
21.0250	.89	.89	.89	.89	.89
21.0875	.89	.89	.89	.88	.88
21.1500	.88	.88	.88	.88	.88
21.2125	.88	.87	.87	.87	.87
21.2750	.87	.87	.87	.87	.87
21.3375	.87	.86	.86	.86	.86
21.4000	.86	.86	.86	.86	.86
21.4625	.86	.85	.85	.85	.85
21.5250	.85	.85	.85	.84	.84
21.5875	.84	.84	.84	.84	.84
21.6500	.84	.84	.84	.84	.84
21.7125	.83	.83	.83	.83	.83
21.7750	.83	.83	.83	.83	.83
21.8375	.83	.82	.82	.82	.82
21.9000	.82	.82	.82	.82	.81
21.9625	.81	.81	.81	.81	.81
22.0250	.81	.81	.81	.80	.80
22.0875	.80	.80	.80	.80	.80
22.1500	.80	.80	.80	.80	.79
22.2125	.79	.79	.79	.79	.79
22.2750	.79	.79	.78	.78	.78
22.3375	.78	.78	.78	.78	.78
22.4000	.78	.77	.77	.77	.77
22.4625	.77	.77	.77	.77	.77
22.5250	.77	.76	.76	.76	.76
22.5875	.76	.76	.76	.76	.76
22.6500	.76	.76	.76	.75	.75
22.7125	.75	.75	.75	.75	.75
22.7750	.75	.74	.74	.74	.74
22.8375	.74	.74	.74	.74	.74
22.9000	.73	.73	.73	.73	.73
22.9625	.73	.73	.73	.73	.73
23.0250	.73	.72	.72	.72	.72
23.0875	.72	.72	.72	.71	.71
23.1500	.71	.71	.71	.71	.71
23.2125	.71	.71	.71	.71	.71
23.2750	.70	.70	.70	.70	.70
23.3375	.70	.70	.70	.69	.69
23.4000	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.4625	.69	.69	.69	.69	.69
23.5250	.68	.68	.68	.68	.68
23.5875	.68	.68	.68	.67	.67
23.6500	.67	.67	.67	.67	.67
23.7125	.67	.67	.67	.66	.66
23.7750	.66	.66	.66	.66	.66
23.8375	.66	.66	.65	.65	.65
23.9000	.65	.65	.65	.65	.65
23.9625	.64	.64	.64	.64	.64
24.0250	.63	.61	.60	.56	.53
24.0875	.48	.43	.38	.33	.29
24.1500	.24	.20	.17	.14	.12
24.2125	.10	.09	.07	.06	.05
24.2750	.04	.04	.03	.03	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

Name... D.A. CC-3 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-3 100

Tc = .1800 hrs

Drainage Area = 10.600 acres Runoff CN= 94

=====
Computational Time Increment = .02400 hrs
Computed Peak Time = 12.1440 hrs
Computed Peak Flow = 60.50 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1374 hrs
Peak Flow, Interpolated Output = 60.46 cfs
=====

DRAINAGE AREA

ID:D.A. CC-3
CN = 94
Area = 10.600 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

6.7849 in
261070 cu.ft

HYG Volume... 261063 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .18000 hrs (ID: D.A. CC-3)
Computational Incr, Tm = .02400 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 66.72 cfs
Unit peak time Tp = .12000 hrs
Unit receding limb, Tr = .48000 hrs
Total unit time, Tb = .60000 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-3 100

Tc = .1800 hrs

Drainage Area = 10.600 acres Runoff CN= 94

Calc.Increment= .02400 hrs Out.Incr.= .0125 hrs

HYG Volume = 261063 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
1.7750	.00	.00	.00	.00	.00
1.8375	.00	.01	.01	.01	.01
1.9000	.01	.01	.02	.02	.02
1.9625	.02	.02	.03	.03	.03
2.0250	.03	.04	.04	.04	.04
2.0875	.04	.05	.05	.05	.05
2.1500	.05	.06	.06	.06	.06
2.2125	.07	.07	.07	.07	.07
2.2750	.08	.08	.08	.08	.09
2.3375	.09	.09	.09	.10	.10
2.4000	.10	.10	.10	.11	.11
2.4625	.11	.11	.12	.12	.12
2.5250	.12	.12	.13	.13	.13
2.5875	.13	.14	.14	.14	.14
2.6500	.15	.15	.15	.15	.15
2.7125	.16	.16	.16	.16	.17
2.7750	.17	.17	.17	.18	.18
2.8375	.18	.18	.19	.19	.19
2.9000	.19	.19	.20	.20	.20
2.9625	.20	.21	.21	.21	.21
3.0250	.22	.22	.22	.22	.23
3.0875	.23	.23	.23	.24	.24
3.1500	.24	.24	.24	.25	.25
3.2125	.25	.25	.26	.26	.26
3.2750	.26	.27	.27	.27	.27
3.3375	.28	.28	.28	.28	.29
3.4000	.29	.29	.29	.29	.30
3.4625	.30	.30	.30	.31	.31
3.5250	.31	.31	.32	.32	.32
3.5875	.32	.33	.33	.33	.33

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.6500	.34	.34	.34	.34	.35
3.7125	.35	.35	.35	.35	.36
3.7750	.36	.36	.36	.37	.37
3.8375	.37	.37	.38	.38	.38
3.9000	.38	.39	.39	.39	.39
3.9625	.40	.40	.40	.40	.41
4.0250	.41	.41	.41	.41	.42
4.0875	.42	.42	.42	.43	.43
4.1500	.43	.43	.44	.44	.44
4.2125	.44	.45	.45	.45	.45
4.2750	.46	.46	.46	.46	.47
4.3375	.47	.47	.47	.48	.48
4.4000	.48	.48	.48	.49	.49
4.4625	.49	.49	.50	.50	.50
4.5250	.50	.51	.51	.51	.51
4.5875	.52	.52	.52	.52	.53
4.6500	.53	.53	.53	.54	.54
4.7125	.54	.54	.54	.55	.55
4.7750	.55	.55	.56	.56	.56
4.8375	.56	.57	.57	.57	.57
4.9000	.58	.58	.58	.58	.59
4.9625	.59	.59	.59	.60	.60
5.0250	.60	.60	.60	.61	.61
5.0875	.61	.61	.62	.62	.62
5.1500	.62	.63	.63	.63	.63
5.2125	.64	.64	.64	.64	.64
5.2750	.65	.65	.65	.65	.66
5.3375	.66	.66	.66	.67	.67
5.4000	.67	.67	.68	.68	.68
5.4625	.68	.68	.69	.69	.69
5.5250	.69	.70	.70	.70	.70
5.5875	.71	.71	.71	.71	.72
5.6500	.72	.72	.72	.72	.73
5.7125	.73	.73	.73	.74	.74
5.7750	.74	.74	.75	.75	.75
5.8375	.75	.75	.76	.76	.76
5.9000	.76	.77	.77	.77	.77
5.9625	.78	.78	.78	.78	.79
6.0250	.79	.79	.79	.80	.80
6.0875	.80	.80	.81	.81	.81
6.1500	.82	.82	.83	.83	.83
6.2125	.84	.84	.84	.85	.85
6.2750	.86	.86	.87	.87	.88
6.3375	.88	.89	.89	.90	.90
6.4000	.90	.91	.91	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.4625	.93	.93	.94	.94	.95
6.5250	.95	.96	.96	.97	.97
6.5875	.98	.98	.99	.99	.99
6.6500	1.00	1.00	1.01	1.01	1.02
6.7125	1.02	1.03	1.04	1.04	1.05
6.7750	1.05	1.06	1.06	1.06	1.07
6.8375	1.07	1.08	1.08	1.09	1.09
6.9000	1.10	1.10	1.11	1.12	1.12
6.9625	1.13	1.13	1.14	1.14	1.15
7.0250	1.15	1.15	1.16	1.16	1.17
7.0875	1.18	1.18	1.19	1.19	1.20
7.1500	1.20	1.21	1.21	1.22	1.22
7.2125	1.23	1.23	1.24	1.24	1.25
7.2750	1.25	1.26	1.26	1.27	1.28
7.3375	1.28	1.29	1.29	1.30	1.30
7.4000	1.31	1.31	1.32	1.32	1.33
7.4625	1.33	1.34	1.34	1.35	1.35
7.5250	1.36	1.37	1.37	1.38	1.38
7.5875	1.39	1.39	1.40	1.40	1.41
7.6500	1.41	1.42	1.42	1.43	1.43
7.7125	1.44	1.45	1.45	1.46	1.46
7.7750	1.47	1.47	1.48	1.48	1.49
7.8375	1.49	1.50	1.50	1.51	1.52
7.9000	1.52	1.53	1.53	1.54	1.54
7.9625	1.55	1.56	1.56	1.57	1.57
8.0250	1.58	1.58	1.59	1.59	1.60
8.0875	1.61	1.62	1.62	1.63	1.64
8.1500	1.65	1.66	1.67	1.68	1.68
8.2125	1.69	1.70	1.71	1.72	1.73
8.2750	1.74	1.76	1.77	1.78	1.79
8.3375	1.80	1.81	1.82	1.83	1.84
8.4000	1.85	1.86	1.87	1.88	1.89
8.4625	1.91	1.92	1.93	1.94	1.95
8.5250	1.96	1.97	1.98	2.00	2.01
8.5875	2.02	2.03	2.04	2.05	2.06
8.6500	2.07	2.09	2.10	2.11	2.12
8.7125	2.13	2.14	2.15	2.17	2.18
8.7750	2.19	2.20	2.21	2.22	2.23
8.8375	2.25	2.26	2.27	2.28	2.29
8.9000	2.30	2.31	2.33	2.34	2.35
8.9625	2.36	2.37	2.38	2.40	2.41
9.0250	2.42	2.43	2.44	2.45	2.47
9.0875	2.48	2.49	2.50	2.51	2.53
9.1500	2.54	2.55	2.56	2.57	2.58
9.2125	2.60	2.61	2.62	2.63	2.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.2750	2.66	2.67	2.68	2.69	2.70
9.3375	2.71	2.73	2.74	2.75	2.76
9.4000	2.77	2.79	2.80	2.81	2.82
9.4625	2.83	2.85	2.86	2.87	2.88
9.5250	2.89	2.91	2.92	2.93	2.94
9.5875	2.96	2.97	2.98	2.99	3.00
9.6500	3.01	3.03	3.04	3.05	3.06
9.7125	3.08	3.09	3.10	3.11	3.13
9.7750	3.14	3.15	3.16	3.17	3.19
9.8375	3.20	3.21	3.22	3.23	3.25
9.9000	3.26	3.27	3.28	3.30	3.31
9.9625	3.32	3.33	3.35	3.36	3.37
10.0250	3.38	3.40	3.41	3.42	3.44
10.0875	3.45	3.47	3.49	3.50	3.52
10.1500	3.54	3.56	3.58	3.60	3.62
10.2125	3.64	3.66	3.68	3.70	3.73
10.2750	3.75	3.78	3.80	3.82	3.84
10.3375	3.87	3.89	3.91	3.94	3.96
10.4000	3.99	4.01	4.03	4.06	4.08
10.4625	4.11	4.13	4.15	4.18	4.20
10.5250	4.23	4.25	4.27	4.30	4.32
10.5875	4.35	4.37	4.39	4.42	4.44
10.6500	4.47	4.49	4.52	4.54	4.56
10.7125	4.59	4.61	4.64	4.66	4.68
10.7750	4.71	4.73	4.76	4.78	4.81
10.8375	4.83	4.85	4.88	4.91	4.93
10.9000	4.95	4.98	5.00	5.03	5.05
10.9625	5.08	5.10	5.13	5.15	5.18
11.0250	5.21	5.24	5.27	5.31	5.35
11.0875	5.39	5.43	5.48	5.53	5.58
11.1500	5.64	5.71	5.78	5.85	5.92
11.2125	5.99	6.07	6.15	6.23	6.31
11.2750	6.40	6.48	6.57	6.65	6.74
11.3375	6.82	6.91	7.00	7.09	7.18
11.4000	7.27	7.36	7.44	7.53	7.62
11.4625	7.71	7.80	7.90	7.99	8.10
11.5250	8.23	8.38	8.57	8.81	9.08
11.5875	9.38	9.71	10.06	10.47	10.89
11.6500	11.40	11.94	12.56	13.19	13.86
11.7125	14.54	15.25	15.96	16.73	17.51
11.7750	18.32	19.14	19.95	20.75	21.56
11.8375	22.38	23.21	24.07	24.94	25.82
11.9000	26.71	27.75	28.86	30.32	31.90
11.9625	34.08	36.37	39.08	41.83	44.60
12.0250	47.35	49.85	52.28	54.33	56.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.0875	57.73	59.01	59.85	60.39	60.46
12.1500	60.05	59.09	57.66	55.82	53.73
12.2125	51.49	49.21	46.91	44.71	42.53
12.2750	40.64	38.78	37.23	35.71	34.39
12.3375	33.08	31.85	30.64	29.51	28.39
12.4000	27.34	26.32	25.34	24.37	23.42
12.4625	22.46	21.49	20.55	19.63	18.75
12.5250	17.90	17.09	16.30	15.54	14.80
12.5875	14.13	13.46	12.89	12.32	11.84
12.6500	11.37	10.97	10.59	10.28	9.99
12.7125	9.75	9.52	9.32	9.14	8.96
12.7750	8.80	8.65	8.52	8.39	8.26
12.8375	8.15	8.03	7.92	7.81	7.70
12.9000	7.60	7.50	7.41	7.31	7.21
12.9625	7.12	7.02	6.93	6.83	6.74
13.0250	6.66	6.57	6.49	6.41	6.33
13.0875	6.26	6.19	6.12	6.06	6.00
13.1500	5.95	5.90	5.85	5.81	5.77
13.2125	5.73	5.69	5.66	5.63	5.60
13.2750	5.57	5.54	5.51	5.48	5.46
13.3375	5.43	5.41	5.38	5.36	5.33
13.4000	5.31	5.28	5.26	5.23	5.21
13.4625	5.18	5.16	5.14	5.11	5.09
13.5250	5.07	5.04	5.02	4.99	4.97
13.5875	4.95	4.92	4.90	4.88	4.85
13.6500	4.83	4.80	4.78	4.76	4.73
13.7125	4.71	4.69	4.66	4.64	4.62
13.7750	4.59	4.57	4.54	4.52	4.50
13.8375	4.47	4.45	4.43	4.40	4.38
13.9000	4.35	4.33	4.31	4.28	4.26
13.9625	4.23	4.21	4.19	4.16	4.14
14.0250	4.12	4.09	4.07	4.05	4.03
14.0875	4.01	3.99	3.97	3.95	3.93
14.1500	3.92	3.90	3.88	3.87	3.85
14.2125	3.84	3.83	3.82	3.80	3.79
14.2750	3.78	3.76	3.75	3.74	3.73
14.3375	3.72	3.70	3.69	3.68	3.67
14.4000	3.66	3.65	3.64	3.62	3.61
14.4625	3.60	3.59	3.58	3.57	3.55
14.5250	3.54	3.53	3.52	3.51	3.50
14.5875	3.49	3.47	3.46	3.45	3.44
14.6500	3.43	3.42	3.41	3.40	3.38
14.7125	3.37	3.36	3.35	3.34	3.33
14.7750	3.32	3.30	3.29	3.28	3.27
14.8375	3.26	3.25	3.24	3.23	3.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9000	3.20	3.19	3.18	3.17	3.16
14.9625	3.15	3.13	3.12	3.11	3.10
15.0250	3.09	3.08	3.07	3.05	3.04
15.0875	3.03	3.02	3.01	3.00	2.99
15.1500	2.97	2.96	2.95	2.94	2.93
15.2125	2.92	2.91	2.89	2.88	2.87
15.2750	2.86	2.85	2.84	2.83	2.81
15.3375	2.80	2.79	2.78	2.77	2.76
15.4000	2.75	2.73	2.72	2.71	2.70
15.4625	2.69	2.68	2.67	2.65	2.64
15.5250	2.63	2.62	2.61	2.60	2.59
15.5875	2.57	2.56	2.55	2.54	2.53
15.6500	2.52	2.51	2.50	2.48	2.47
15.7125	2.46	2.45	2.44	2.43	2.41
15.7750	2.40	2.39	2.38	2.37	2.36
15.8375	2.35	2.34	2.32	2.31	2.30
15.9000	2.29	2.28	2.27	2.26	2.24
15.9625	2.23	2.22	2.21	2.20	2.19
16.0250	2.18	2.17	2.16	2.15	2.14
16.0875	2.13	2.12	2.11	2.10	2.09
16.1500	2.08	2.08	2.07	2.06	2.05
16.2125	2.05	2.04	2.03	2.03	2.02
16.2750	2.02	2.01	2.01	2.00	2.00
16.3375	1.99	1.99	1.98	1.98	1.97
16.4000	1.97	1.96	1.96	1.95	1.95
16.4625	1.94	1.94	1.93	1.93	1.92
16.5250	1.92	1.91	1.91	1.90	1.90
16.5875	1.89	1.89	1.88	1.88	1.87
16.6500	1.87	1.86	1.86	1.85	1.85
16.7125	1.84	1.84	1.83	1.83	1.82
16.7750	1.82	1.81	1.81	1.80	1.80
16.8375	1.79	1.79	1.78	1.78	1.77
16.9000	1.77	1.76	1.76	1.75	1.75
16.9625	1.74	1.74	1.73	1.73	1.72
17.0250	1.72	1.71	1.71	1.70	1.70
17.0875	1.69	1.69	1.68	1.68	1.67
17.1500	1.67	1.66	1.66	1.65	1.65
17.2125	1.64	1.64	1.63	1.63	1.62
17.2750	1.62	1.61	1.61	1.60	1.60
17.3375	1.59	1.59	1.58	1.58	1.57
17.4000	1.57	1.56	1.56	1.55	1.55
17.4625	1.54	1.54	1.53	1.53	1.52
17.5250	1.52	1.51	1.51	1.50	1.50
17.5875	1.49	1.49	1.48	1.48	1.47
17.6500	1.47	1.46	1.46	1.45	1.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7125	1.44	1.44	1.44	1.43	1.43
17.7750	1.42	1.41	1.41	1.40	1.40
17.8375	1.39	1.39	1.38	1.38	1.37
17.9000	1.37	1.37	1.36	1.36	1.35
17.9625	1.35	1.34	1.34	1.33	1.32
18.0250	1.32	1.31	1.31	1.31	1.30
18.0875	1.30	1.29	1.29	1.29	1.28
18.1500	1.28	1.28	1.27	1.27	1.27
18.2125	1.27	1.27	1.26	1.26	1.26
18.2750	1.26	1.26	1.26	1.25	1.25
18.3375	1.25	1.25	1.25	1.25	1.24
18.4000	1.24	1.24	1.24	1.24	1.24
18.4625	1.24	1.23	1.23	1.23	1.23
18.5250	1.23	1.23	1.22	1.22	1.22
18.5875	1.22	1.22	1.22	1.22	1.21
18.6500	1.21	1.21	1.21	1.21	1.21
18.7125	1.21	1.20	1.20	1.20	1.20
18.7750	1.20	1.20	1.19	1.19	1.19
18.8375	1.19	1.19	1.19	1.19	1.18
18.9000	1.18	1.18	1.18	1.18	1.18
18.9625	1.18	1.17	1.17	1.17	1.17
19.0250	1.17	1.17	1.17	1.16	1.16
19.0875	1.16	1.16	1.16	1.16	1.15
19.1500	1.15	1.15	1.15	1.15	1.15
19.2125	1.15	1.14	1.14	1.14	1.14
19.2750	1.14	1.14	1.14	1.13	1.13
19.3375	1.13	1.13	1.13	1.13	1.12
19.4000	1.12	1.12	1.12	1.12	1.12
19.4625	1.12	1.11	1.11	1.11	1.11
19.5250	1.11	1.11	1.11	1.10	1.10
19.5875	1.10	1.10	1.10	1.10	1.10
19.6500	1.09	1.09	1.09	1.09	1.09
19.7125	1.09	1.08	1.08	1.08	1.08
19.7750	1.08	1.08	1.08	1.07	1.07
19.8375	1.07	1.07	1.07	1.07	1.07
19.9000	1.06	1.06	1.06	1.06	1.06
19.9625	1.06	1.05	1.05	1.05	1.05
20.0250	1.05	1.05	1.05	1.04	1.04
20.0875	1.04	1.04	1.04	1.04	1.04
20.1500	1.03	1.03	1.03	1.03	1.03
20.2125	1.03	1.03	1.03	1.03	1.03
20.2750	1.03	1.02	1.02	1.02	1.02
20.3375	1.02	1.02	1.02	1.01	1.01
20.4000	1.01	1.01	1.01	1.01	1.01
20.4625	1.01	1.01	1.00	1.00	1.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5250	1.00	1.00	1.00	1.00	1.00
20.5875	1.00	.99	.99	.99	.99
20.6500	.99	.99	.99	.99	.98
20.7125	.98	.98	.98	.98	.98
20.7750	.98	.98	.97	.97	.97
20.8375	.97	.97	.97	.97	.97
20.9000	.97	.97	.96	.96	.96
20.9625	.96	.96	.96	.96	.96
21.0250	.96	.96	.96	.95	.95
21.0875	.95	.95	.95	.95	.95
21.1500	.95	.94	.94	.94	.94
21.2125	.94	.94	.94	.94	.93
21.2750	.93	.93	.93	.93	.93
21.3375	.93	.93	.93	.93	.92
21.4000	.92	.92	.92	.92	.92
21.4625	.92	.92	.91	.91	.91
21.5250	.91	.91	.91	.91	.90
21.5875	.90	.90	.90	.90	.90
21.6500	.90	.90	.90	.90	.90
21.7125	.89	.89	.89	.89	.89
21.7750	.89	.89	.89	.89	.89
21.8375	.89	.88	.88	.88	.88
21.9000	.88	.88	.88	.88	.87
21.9625	.87	.87	.87	.87	.87
22.0250	.87	.87	.86	.86	.86
22.0875	.86	.86	.86	.86	.86
22.1500	.86	.85	.85	.85	.85
22.2125	.85	.85	.85	.85	.85
22.2750	.84	.84	.84	.84	.84
22.3375	.84	.84	.83	.83	.83
22.4000	.83	.83	.83	.83	.83
22.4625	.83	.83	.83	.82	.82
22.5250	.82	.82	.82	.82	.82
22.5875	.82	.82	.81	.81	.81
22.6500	.81	.81	.81	.81	.81
22.7125	.81	.81	.80	.80	.80
22.7750	.80	.80	.80	.80	.79
22.8375	.79	.79	.79	.79	.79
22.9000	.79	.79	.79	.79	.78
22.9625	.78	.78	.78	.78	.78
23.0250	.78	.78	.78	.77	.77
23.0875	.77	.77	.77	.77	.76
23.1500	.76	.76	.76	.76	.76
23.2125	.76	.76	.76	.76	.76
23.2750	.75	.75	.75	.75	.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.3375	.75	.75	.75	.75	.74
23.4000	.74	.74	.74	.74	.74
23.4625	.74	.74	.74	.74	.73
23.5250	.73	.73	.73	.73	.73
23.5875	.73	.73	.72	.72	.72
23.6500	.72	.72	.72	.72	.72
23.7125	.72	.71	.71	.71	.71
23.7750	.71	.71	.71	.71	.71
23.8375	.71	.70	.70	.70	.70
23.9000	.70	.70	.69	.69	.69
23.9625	.69	.69	.69	.69	.68
24.0250	.68	.66	.64	.60	.56
24.0875	.51	.46	.41	.36	.31
24.1500	.26	.22	.18	.15	.13
24.2125	.11	.09	.08	.07	.05
24.2750	.05	.04	.03	.03	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.01	.00	.00
24.4625	.00	.00	.00	.00	.00
24.5250	.00				

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: User Defined

Segment #1 Time: .1700 hrs

Segment #2: Tc: User Defined

Segment #2 Time: .0900 hrs

=====
Total Tc: .2600 hrs
=====

Type.... Tc Calcs
Name.... D.A. CC-4

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Tc Equations used...

==== User Defined =====

Tc = Value entered by user

Where: Tc = Time of concentration

Type.... Runoff CN-Area
Name.... D.A. CC-4

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	94	25.500			94.00

COMPOSITE AREA & WEIGHTED CN ---> 25.500 94.00 (94)
.....

Name... D.A. CC-4 Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-4 2

Tc = .2600 hrs

Drainage Area = 25.500 acres Runoff CN= 94

=====
Computational Time Increment = .03467 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 58.25 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 58.15 cfs
=====

DRAINAGE AREA

ID:D.A. CC-4
CN = 94
Area = 25.500 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

2.8356 in
262480 cu.ft

HYG Volume... 262480 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .26000 hrs (ID: D.A. CC-4)
Computational Incr, Tm = .03467 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 111.13 cfs
Unit peak time Tp = .17333 hrs
Unit receding limb, Tr = .69333 hrs
Total unit time, Tb = .86667 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm

Duration = 24.0000 hrs Rain Depth = 3.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-4 2

Tc = .2600 hrs

Drainage Area = 25.500 acres Runoff CN= 94

Calc.Increment= .03467 hrs Out.Incr.= .0125 hrs

HYG Volume = 262480 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
hrs Time on left represents time for first value in each row.

Time hrs					
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.01	.01	.01
3.7125	.01	.01	.01	.01	.01
3.7750	.02	.02	.02	.02	.02
3.8375	.02	.03	.03	.03	.03
3.9000	.03	.03	.04	.04	.04
3.9625	.04	.04	.05	.05	.05
4.0250	.05	.05	.06	.06	.06
4.0875	.06	.06	.06	.07	.07
4.1500	.07	.07	.07	.08	.08
4.2125	.08	.08	.08	.09	.09
4.2750	.09	.09	.09	.10	.10
4.3375	.10	.10	.10	.11	.11
4.4000	.11	.11	.11	.12	.12
4.4625	.12	.12	.13	.13	.13
4.5250	.13	.13	.14	.14	.14
4.5875	.14	.14	.15	.15	.15
4.6500	.15	.15	.16	.16	.16
4.7125	.16	.16	.17	.17	.17
4.7750	.17	.18	.18	.18	.18
4.8375	.18	.19	.19	.19	.19
4.9000	.19	.20	.20	.20	.20
4.9625	.21	.21	.21	.21	.21
5.0250	.22	.22	.22	.22	.23
5.0875	.23	.23	.23	.23	.24
5.1500	.24	.24	.24	.24	.25
5.2125	.25	.25	.25	.26	.26
5.2750	.26	.26	.26	.27	.27
5.3375	.27	.27	.28	.28	.28
5.4000	.28	.28	.29	.29	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.4625	.29	.30	.30	.30	.30
5.5250	.31	.31	.31	.31	.31
5.5875	.32	.32	.32	.32	.33
5.6500	.33	.33	.33	.33	.34
5.7125	.34	.34	.34	.35	.35
5.7750	.35	.35	.36	.36	.36
5.8375	.36	.36	.37	.37	.37
5.9000	.37	.38	.38	.38	.38
5.9625	.39	.39	.39	.39	.39
6.0250	.40	.40	.40	.40	.41
6.0875	.41	.41	.41	.42	.42
6.1500	.42	.43	.43	.43	.43
6.2125	.44	.44	.44	.45	.45
6.2750	.45	.46	.46	.46	.47
6.3375	.47	.47	.48	.48	.49
6.4000	.49	.49	.50	.50	.50
6.4625	.51	.51	.52	.52	.52
6.5250	.53	.53	.54	.54	.54
6.5875	.55	.55	.56	.56	.56
6.6500	.57	.57	.58	.58	.58
6.7125	.59	.59	.60	.60	.61
6.7750	.61	.61	.62	.62	.63
6.8375	.63	.64	.64	.64	.65
6.9000	.65	.66	.66	.67	.67
6.9625	.68	.68	.68	.69	.69
7.0250	.70	.70	.71	.71	.72
7.0875	.72	.73	.73	.73	.74
7.1500	.74	.75	.75	.76	.76
7.2125	.77	.77	.78	.78	.79
7.2750	.79	.80	.80	.81	.81
7.3375	.82	.82	.83	.83	.84
7.4000	.84	.85	.85	.86	.86
7.4625	.87	.87	.88	.88	.89
7.5250	.89	.90	.90	.91	.91
7.5875	.92	.92	.93	.93	.94
7.6500	.94	.95	.95	.96	.96
7.7125	.97	.98	.98	.99	.99
7.7750	1.00	1.00	1.01	1.01	1.02
7.8375	1.02	1.03	1.03	1.04	1.05
7.9000	1.05	1.06	1.06	1.07	1.07
7.9625	1.08	1.08	1.09	1.10	1.10
8.0250	1.11	1.11	1.12	1.12	1.13
8.0875	1.14	1.14	1.15	1.15	1.16
8.1500	1.17	1.18	1.18	1.19	1.20
8.2125	1.21	1.21	1.22	1.23	1.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.2750	1.25	1.26	1.27	1.28	1.28
8.3375	1.29	1.30	1.31	1.32	1.33
8.4000	1.34	1.35	1.36	1.37	1.38
8.4625	1.39	1.40	1.41	1.42	1.43
8.5250	1.44	1.45	1.46	1.47	1.48
8.5875	1.49	1.50	1.52	1.53	1.54
8.6500	1.55	1.56	1.57	1.58	1.59
8.7125	1.60	1.61	1.62	1.63	1.65
8.7750	1.66	1.67	1.68	1.69	1.70
8.8375	1.71	1.72	1.73	1.75	1.76
8.9000	1.77	1.78	1.79	1.80	1.81
8.9625	1.83	1.84	1.85	1.86	1.87
9.0250	1.88	1.90	1.91	1.92	1.93
9.0875	1.94	1.95	1.97	1.98	1.99
9.1500	2.00	2.01	2.03	2.04	2.05
9.2125	2.06	2.07	2.09	2.10	2.11
9.2750	2.12	2.14	2.15	2.16	2.17
9.3375	2.19	2.20	2.21	2.22	2.23
9.4000	2.25	2.26	2.27	2.28	2.30
9.4625	2.31	2.32	2.34	2.35	2.36
9.5250	2.37	2.39	2.40	2.41	2.43
9.5875	2.44	2.45	2.46	2.48	2.49
9.6500	2.50	2.52	2.53	2.54	2.56
9.7125	2.57	2.58	2.59	2.61	2.62
9.7750	2.63	2.65	2.66	2.67	2.69
9.8375	2.70	2.71	2.73	2.74	2.75
9.9000	2.77	2.78	2.79	2.81	2.82
9.9625	2.84	2.85	2.86	2.88	2.89
10.0250	2.90	2.92	2.93	2.95	2.96
10.0875	2.98	2.99	3.01	3.02	3.04
10.1500	3.06	3.07	3.09	3.11	3.13
10.2125	3.15	3.17	3.19	3.21	3.23
10.2750	3.25	3.28	3.30	3.32	3.34
10.3375	3.37	3.39	3.41	3.44	3.46
10.4000	3.48	3.51	3.53	3.56	3.58
10.4625	3.61	3.63	3.66	3.68	3.71
10.5250	3.73	3.76	3.78	3.81	3.83
10.5875	3.86	3.88	3.91	3.93	3.96
10.6500	3.99	4.01	4.04	4.06	4.09
10.7125	4.11	4.14	4.17	4.19	4.22
10.7750	4.25	4.27	4.30	4.32	4.35
10.8375	4.38	4.40	4.43	4.46	4.48
10.9000	4.51	4.54	4.56	4.59	4.62
10.9625	4.64	4.67	4.70	4.73	4.75
11.0250	4.78	4.81	4.84	4.87	4.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.0875	4.94	4.98	5.02	5.06	5.11
11.1500	5.16	5.20	5.26	5.31	5.37
11.2125	5.44	5.50	5.57	5.64	5.71
11.2750	5.79	5.86	5.94	6.02	6.10
11.3375	6.18	6.27	6.35	6.44	6.52
11.4000	6.61	6.70	6.79	6.88	6.97
11.4625	7.06	7.15	7.25	7.35	7.45
11.5250	7.57	7.69	7.82	7.98	8.14
11.5875	8.35	8.57	8.80	9.10	9.41
11.6500	9.74	10.14	10.54	10.98	11.49
11.7125	12.00	12.57	13.18	13.78	14.44
11.7750	15.11	15.79	16.54	17.29	18.05
11.8375	18.84	19.63	20.44	21.26	22.09
11.9000	23.02	23.99	24.96	26.20	27.45
11.9625	28.79	30.50	32.22	34.12	36.26
12.0250	38.41	40.63	42.90	45.17	47.31
12.0875	49.43	51.50	53.15	54.79	56.18
12.1500	57.02	57.87	58.15	57.96	57.78
12.2125	56.95	55.94	54.92	53.48	52.04
12.2750	50.56	48.94	47.33	45.72	44.12
12.3375	42.52	41.06	39.66	38.27	37.01
12.4000	35.76	34.52	33.35	32.18	31.04
12.4625	29.95	28.85	27.79	26.74	25.70
12.5250	24.70	23.70	22.71	21.80	20.90
12.5875	20.01	19.19	18.37	17.59	16.87
12.6500	16.15	15.52	14.92	14.32	13.83
12.7125	13.35	12.88	12.48	12.09	11.73
12.7750	11.42	11.11	10.84	10.59	10.34
12.8375	10.13	9.92	9.71	9.54	9.36
12.9000	9.19	9.04	8.88	8.74	8.60
12.9625	8.47	8.34	8.22	8.09	7.97
13.0250	7.86	7.74	7.64	7.53	7.43
13.0875	7.33	7.24	7.14	7.06	6.97
13.1500	6.89	6.82	6.74	6.68	6.61
13.2125	6.55	6.50	6.44	6.39	6.35
13.2750	6.30	6.26	6.22	6.18	6.14
13.3375	6.11	6.07	6.04	6.01	5.98
13.4000	5.95	5.91	5.88	5.86	5.83
13.4625	5.80	5.77	5.74	5.71	5.69
13.5250	5.66	5.63	5.61	5.58	5.55
13.5875	5.53	5.50	5.47	5.45	5.42
13.6500	5.40	5.37	5.34	5.32	5.29
13.7125	5.27	5.24	5.22	5.19	5.16
13.7750	5.14	5.11	5.09	5.06	5.04
13.8375	5.01	4.98	4.96	4.93	4.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9000	4.88	4.86	4.83	4.80	4.78
13.9625	4.75	4.73	4.70	4.68	4.65
14.0250	4.62	4.60	4.57	4.55	4.52
14.0875	4.50	4.48	4.45	4.43	4.41
14.1500	4.39	4.37	4.35	4.33	4.31
14.2125	4.29	4.27	4.26	4.24	4.22
14.2750	4.21	4.19	4.18	4.16	4.15
14.3375	4.13	4.12	4.11	4.09	4.08
14.4000	4.07	4.05	4.04	4.03	4.01
14.4625	4.00	3.99	3.98	3.96	3.95
14.5250	3.94	3.93	3.91	3.90	3.89
14.5875	3.88	3.86	3.85	3.84	3.83
14.6500	3.81	3.80	3.79	3.78	3.76
14.7125	3.75	3.74	3.73	3.71	3.70
14.7750	3.69	3.68	3.67	3.65	3.64
14.8375	3.63	3.62	3.60	3.59	3.58
14.9000	3.57	3.55	3.54	3.53	3.52
14.9625	3.50	3.49	3.48	3.47	3.45
15.0250	3.44	3.43	3.42	3.41	3.39
15.0875	3.38	3.37	3.36	3.34	3.33
15.1500	3.32	3.31	3.29	3.28	3.27
15.2125	3.26	3.24	3.23	3.22	3.21
15.2750	3.19	3.18	3.17	3.16	3.14
15.3375	3.13	3.12	3.11	3.10	3.08
15.4000	3.07	3.06	3.05	3.03	3.02
15.4625	3.01	3.00	2.98	2.97	2.96
15.5250	2.95	2.93	2.92	2.91	2.90
15.5875	2.88	2.87	2.86	2.85	2.83
15.6500	2.82	2.81	2.80	2.79	2.77
15.7125	2.76	2.75	2.73	2.72	2.71
15.7750	2.70	2.68	2.67	2.66	2.65
15.8375	2.63	2.62	2.61	2.60	2.59
15.9000	2.57	2.56	2.55	2.53	2.52
15.9625	2.51	2.50	2.49	2.47	2.46
16.0250	2.45	2.44	2.42	2.41	2.40
16.0875	2.39	2.38	2.37	2.36	2.35
16.1500	2.34	2.33	2.32	2.31	2.30
16.2125	2.29	2.28	2.27	2.27	2.26
16.2750	2.25	2.24	2.24	2.23	2.22
16.3375	2.22	2.21	2.21	2.20	2.19
16.4000	2.19	2.18	2.18	2.17	2.16
16.4625	2.16	2.15	2.15	2.14	2.14
16.5250	2.13	2.12	2.12	2.11	2.11
16.5875	2.10	2.10	2.09	2.09	2.08
16.6500	2.07	2.07	2.06	2.06	2.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7125	2.05	2.04	2.04	2.03	2.03
16.7750	2.02	2.02	2.01	2.00	2.00
16.8375	1.99	1.99	1.98	1.98	1.97
16.9000	1.97	1.96	1.96	1.95	1.94
16.9625	1.94	1.93	1.93	1.92	1.92
17.0250	1.91	1.91	1.90	1.90	1.89
17.0875	1.88	1.88	1.87	1.87	1.86
17.1500	1.86	1.85	1.85	1.84	1.84
17.2125	1.83	1.83	1.82	1.81	1.81
17.2750	1.80	1.80	1.79	1.79	1.78
17.3375	1.78	1.77	1.77	1.76	1.76
17.4000	1.75	1.74	1.74	1.73	1.73
17.4625	1.72	1.72	1.71	1.71	1.70
17.5250	1.69	1.69	1.68	1.68	1.67
17.5875	1.67	1.66	1.66	1.65	1.65
17.6500	1.64	1.63	1.63	1.62	1.62
17.7125	1.61	1.61	1.60	1.60	1.59
17.7750	1.59	1.58	1.58	1.57	1.56
17.8375	1.56	1.55	1.55	1.54	1.54
17.9000	1.53	1.53	1.52	1.52	1.51
17.9625	1.50	1.50	1.49	1.49	1.48
18.0250	1.48	1.47	1.47	1.46	1.46
18.0875	1.45	1.45	1.44	1.44	1.43
18.1500	1.43	1.42	1.42	1.42	1.41
18.2125	1.41	1.41	1.40	1.40	1.40
18.2750	1.40	1.39	1.39	1.39	1.39
18.3375	1.39	1.38	1.38	1.38	1.38
18.4000	1.38	1.37	1.37	1.37	1.37
18.4625	1.37	1.36	1.36	1.36	1.36
18.5250	1.36	1.36	1.35	1.35	1.35
18.5875	1.35	1.35	1.35	1.34	1.34
18.6500	1.34	1.34	1.34	1.34	1.33
18.7125	1.33	1.33	1.33	1.33	1.33
18.7750	1.32	1.32	1.32	1.32	1.32
18.8375	1.32	1.31	1.31	1.31	1.31
18.9000	1.31	1.31	1.30	1.30	1.30
18.9625	1.30	1.30	1.30	1.30	1.29
19.0250	1.29	1.29	1.29	1.29	1.29
19.0875	1.28	1.28	1.28	1.28	1.28
19.1500	1.28	1.27	1.27	1.27	1.27
19.2125	1.27	1.27	1.26	1.26	1.26
19.2750	1.26	1.26	1.26	1.25	1.25
19.3375	1.25	1.25	1.25	1.25	1.24
19.4000	1.24	1.24	1.24	1.24	1.24
19.4625	1.24	1.23	1.23	1.23	1.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.5250	1.23	1.23	1.22	1.22	1.22
19.5875	1.22	1.22	1.22	1.21	1.21
19.6500	1.21	1.21	1.21	1.21	1.20
19.7125	1.20	1.20	1.20	1.20	1.20
19.7750	1.19	1.19	1.19	1.19	1.19
19.8375	1.19	1.18	1.18	1.18	1.18
19.9000	1.18	1.18	1.17	1.17	1.17
19.9625	1.17	1.17	1.17	1.16	1.16
20.0250	1.16	1.16	1.16	1.16	1.16
20.0875	1.15	1.15	1.15	1.15	1.15
20.1500	1.15	1.14	1.14	1.14	1.14
20.2125	1.14	1.14	1.14	1.14	1.13
20.2750	1.13	1.13	1.13	1.13	1.13
20.3375	1.13	1.13	1.12	1.12	1.12
20.4000	1.12	1.12	1.12	1.12	1.11
20.4625	1.11	1.11	1.11	1.11	1.11
20.5250	1.11	1.11	1.10	1.10	1.10
20.5875	1.10	1.10	1.10	1.10	1.10
20.6500	1.09	1.09	1.09	1.09	1.09
20.7125	1.09	1.09	1.09	1.08	1.08
20.7750	1.08	1.08	1.08	1.08	1.08
20.8375	1.08	1.07	1.07	1.07	1.07
20.9000	1.07	1.07	1.07	1.07	1.06
20.9625	1.06	1.06	1.06	1.06	1.06
21.0250	1.06	1.06	1.06	1.06	1.05
21.0875	1.05	1.05	1.05	1.05	1.05
21.1500	1.05	1.05	1.04	1.04	1.04
21.2125	1.04	1.04	1.04	1.04	1.03
21.2750	1.03	1.03	1.03	1.03	1.03
21.3375	1.03	1.03	1.02	1.02	1.02
21.4000	1.02	1.02	1.02	1.02	1.02
21.4625	1.02	1.01	1.01	1.01	1.01
21.5250	1.01	1.01	1.01	1.00	1.00
21.5875	1.00	1.00	1.00	1.00	1.00
21.6500	1.00	.99	.99	.99	.99
21.7125	.99	.99	.99	.99	.99
21.7750	.98	.98	.98	.98	.98
21.8375	.98	.98	.98	.98	.97
21.9000	.97	.97	.97	.97	.97
21.9625	.97	.97	.96	.96	.96
22.0250	.96	.96	.96	.96	.95
22.0875	.95	.95	.95	.95	.95
22.1500	.95	.95	.95	.94	.94
22.2125	.94	.94	.94	.94	.94
22.2750	.94	.93	.93	.93	.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.3375	.93	.93	.93	.92	.92
22.4000	.92	.92	.92	.92	.92
22.4625	.92	.92	.91	.91	.91
22.5250	.91	.91	.91	.91	.91
22.5875	.90	.90	.90	.90	.90
22.6500	.90	.90	.90	.90	.89
22.7125	.89	.89	.89	.89	.89
22.7750	.89	.89	.88	.88	.88
22.8375	.88	.88	.88	.88	.88
22.9000	.87	.87	.87	.87	.87
22.9625	.87	.87	.87	.86	.86
23.0250	.86	.86	.86	.86	.86
23.0875	.86	.85	.85	.85	.85
23.1500	.85	.85	.85	.84	.84
23.2125	.84	.84	.84	.84	.84
23.2750	.84	.84	.83	.83	.83
23.3375	.83	.83	.83	.83	.83
23.4000	.82	.82	.82	.82	.82
23.4625	.82	.82	.82	.82	.82
23.5250	.81	.81	.81	.81	.81
23.5875	.81	.81	.80	.80	.80
23.6500	.80	.80	.80	.80	.80
23.7125	.79	.79	.79	.79	.79
23.7750	.79	.79	.79	.78	.78
23.8375	.78	.78	.78	.78	.78
23.9000	.78	.77	.77	.77	.77
23.9625	.77	.77	.77	.76	.76
24.0250	.75	.74	.73	.72	.69
24.0875	.67	.64	.61	.57	.53
24.1500	.49	.45	.41	.37	.34
24.2125	.30	.27	.24	.21	.19
24.2750	.17	.15	.13	.12	.10
24.3375	.09	.08	.07	.06	.06
24.4000	.05	.04	.04	.03	.03
24.4625	.03	.02	.02	.02	.02
24.5250	.02	.01	.01	.01	.01
24.5875	.01	.01	.01	.01	.00
24.6500	.00	.00	.00	.00	.00
24.7125	.00	.00	.00	.00	.00

Name... D.A. CC-4 Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
Duration = 24.0000 hrs Rain Depth = 5.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-4 10
Tc = .2600 hrs
Drainage Area = 25.500 acres Runoff CN= 94

=====
Computational Time Increment = .03467 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 95.89 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 95.68 cfs
=====

DRAINAGE AREA

ID:D.A. CC-4
CN = 94
Area = 25.500 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

4.8018 in
444481 cu.ft

HYG Volume... 444482 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .26000 hrs (ID: D.A. CC-4)
Computational Incr, Tm = .03467 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 111.13 cfs
Unit peak time Tp = .17333 hrs
Unit receding limb, Tr = .69333 hrs
Total unit time, Tb = .86667 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-4 10
 Tc = .2600 hrs
 Drainage Area = 25.500 acres Runoff CN= 94
 Calc.Increment= .03467 hrs Out.Incr.= .0125 hrs
 HYG Volume = 444482 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.01	.01	.01	.01
2.5250	.01	.01	.02	.02	.02
2.5875	.02	.03	.03	.03	.04
2.6500	.04	.04	.04	.05	.05
2.7125	.05	.06	.06	.06	.07
2.7750	.07	.07	.08	.08	.08
2.8375	.09	.09	.09	.10	.10
2.9000	.10	.11	.11	.12	.12
2.9625	.12	.13	.13	.13	.14
3.0250	.14	.14	.15	.15	.15
3.0875	.16	.16	.17	.17	.17
3.1500	.18	.18	.18	.19	.19
3.2125	.19	.20	.20	.21	.21
3.2750	.21	.22	.22	.22	.23
3.3375	.23	.23	.24	.24	.25
3.4000	.25	.25	.26	.26	.26
3.4625	.27	.27	.28	.28	.28
3.5250	.29	.29	.29	.30	.30
3.5875	.31	.31	.31	.32	.32
3.6500	.32	.33	.33	.34	.34
3.7125	.34	.35	.35	.36	.36
3.7750	.36	.37	.37	.37	.38
3.8375	.38	.39	.39	.39	.40
3.9000	.40	.41	.41	.41	.42
3.9625	.42	.42	.43	.43	.44
4.0250	.44	.44	.45	.45	.46
4.0875	.46	.46	.47	.47	.48
4.1500	.48	.48	.49	.49	.49
4.2125	.50	.50	.51	.51	.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.2750	.52	.52	.53	.53	.53
4.3375	.54	.54	.55	.55	.55
4.4000	.56	.56	.57	.57	.57
4.4625	.58	.58	.59	.59	.59
4.5250	.60	.60	.61	.61	.61
4.5875	.62	.62	.63	.63	.63
4.6500	.64	.64	.65	.65	.65
4.7125	.66	.66	.67	.67	.67
4.7750	.68	.68	.69	.69	.69
4.8375	.70	.70	.71	.71	.71
4.9000	.72	.72	.73	.73	.73
4.9625	.74	.74	.75	.75	.75
5.0250	.76	.76	.77	.77	.77
5.0875	.78	.78	.79	.79	.79
5.1500	.80	.80	.81	.81	.81
5.2125	.82	.82	.83	.83	.83
5.2750	.84	.84	.85	.85	.85
5.3375	.86	.86	.87	.87	.88
5.4000	.88	.88	.89	.89	.90
5.4625	.90	.90	.91	.91	.92
5.5250	.92	.92	.93	.93	.94
5.5875	.94	.94	.95	.95	.96
5.6500	.96	.96	.97	.97	.98
5.7125	.98	.98	.99	.99	1.00
5.7750	1.00	1.01	1.01	1.01	1.02
5.8375	1.02	1.03	1.03	1.03	1.04
5.9000	1.04	1.05	1.05	1.05	1.06
5.9625	1.06	1.07	1.07	1.07	1.08
6.0250	1.08	1.09	1.09	1.10	1.10
6.0875	1.10	1.11	1.11	1.12	1.12
6.1500	1.13	1.13	1.14	1.15	1.15
6.2125	1.16	1.16	1.17	1.17	1.18
6.2750	1.19	1.19	1.20	1.21	1.21
6.3375	1.22	1.23	1.24	1.24	1.25
6.4000	1.26	1.27	1.27	1.28	1.29
6.4625	1.29	1.30	1.31	1.32	1.32
6.5250	1.33	1.34	1.35	1.36	1.36
6.5875	1.37	1.38	1.39	1.39	1.40
6.6500	1.41	1.42	1.43	1.43	1.44
6.7125	1.45	1.46	1.47	1.47	1.48
6.7750	1.49	1.50	1.51	1.51	1.52
6.8375	1.53	1.54	1.55	1.56	1.56
6.9000	1.57	1.58	1.59	1.60	1.61
6.9625	1.61	1.62	1.63	1.64	1.65
7.0250	1.66	1.66	1.67	1.68	1.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.0875	1.70	1.71	1.72	1.72	1.73
7.1500	1.74	1.75	1.76	1.77	1.78
7.2125	1.79	1.79	1.80	1.81	1.82
7.2750	1.83	1.84	1.85	1.85	1.86
7.3375	1.87	1.88	1.89	1.90	1.91
7.4000	1.92	1.93	1.94	1.94	1.95
7.4625	1.96	1.97	1.98	1.99	2.00
7.5250	2.01	2.02	2.03	2.03	2.04
7.5875	2.05	2.06	2.07	2.08	2.09
7.6500	2.10	2.11	2.12	2.13	2.14
7.7125	2.14	2.15	2.16	2.17	2.18
7.7750	2.19	2.20	2.21	2.22	2.23
7.8375	2.24	2.25	2.26	2.27	2.28
7.9000	2.28	2.29	2.30	2.31	2.32
7.9625	2.33	2.34	2.35	2.36	2.37
8.0250	2.38	2.39	2.40	2.41	2.42
8.0875	2.43	2.44	2.45	2.47	2.48
8.1500	2.49	2.50	2.52	2.53	2.54
8.2125	2.56	2.57	2.59	2.60	2.62
8.2750	2.63	2.65	2.67	2.68	2.70
8.3375	2.72	2.73	2.75	2.77	2.79
8.4000	2.80	2.82	2.84	2.86	2.87
8.4625	2.89	2.91	2.93	2.95	2.97
8.5250	2.98	3.00	3.02	3.04	3.06
8.5875	3.08	3.10	3.11	3.13	3.15
8.6500	3.17	3.19	3.21	3.23	3.25
8.7125	3.27	3.28	3.30	3.32	3.34
8.7750	3.36	3.38	3.40	3.42	3.44
8.8375	3.46	3.48	3.50	3.52	3.54
8.9000	3.56	3.58	3.60	3.62	3.64
8.9625	3.66	3.68	3.70	3.72	3.74
9.0250	3.76	3.78	3.80	3.82	3.84
9.0875	3.86	3.88	3.90	3.92	3.94
9.1500	3.96	3.98	4.00	4.02	4.04
9.2125	4.06	4.08	4.10	4.12	4.14
9.2750	4.16	4.18	4.20	4.22	4.24
9.3375	4.27	4.29	4.31	4.33	4.35
9.4000	4.37	4.39	4.41	4.43	4.45
9.4625	4.47	4.49	4.52	4.54	4.56
9.5250	4.58	4.60	4.62	4.64	4.66
9.5875	4.68	4.71	4.73	4.75	4.77
9.6500	4.79	4.81	4.83	4.85	4.88
9.7125	4.90	4.92	4.94	4.96	4.98
9.7750	5.00	5.03	5.05	5.07	5.09
9.8375	5.11	5.13	5.16	5.18	5.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9000	5.22	5.24	5.26	5.29	5.31
9.9625	5.33	5.35	5.37	5.39	5.42
10.0250	5.44	5.46	5.48	5.51	5.53
10.0875	5.55	5.58	5.61	5.63	5.66
10.1500	5.69	5.72	5.75	5.78	5.81
10.2125	5.84	5.87	5.91	5.94	5.98
10.2750	6.01	6.05	6.09	6.13	6.16
10.3375	6.20	6.24	6.28	6.32	6.36
10.4000	6.40	6.44	6.48	6.52	6.56
10.4625	6.60	6.64	6.68	6.72	6.76
10.5250	6.81	6.85	6.89	6.93	6.97
10.5875	7.01	7.06	7.10	7.14	7.18
10.6500	7.23	7.27	7.31	7.35	7.39
10.7125	7.44	7.48	7.52	7.56	7.61
10.7750	7.65	7.69	7.73	7.78	7.82
10.8375	7.86	7.91	7.95	7.99	8.03
10.9000	8.08	8.12	8.16	8.21	8.25
10.9625	8.29	8.34	8.38	8.42	8.47
11.0250	8.51	8.56	8.61	8.66	8.72
11.0875	8.77	8.84	8.90	8.97	9.05
11.1500	9.13	9.20	9.30	9.39	9.49
11.2125	9.60	9.70	9.82	9.94	10.05
11.2750	10.18	10.31	10.44	10.57	10.71
11.3375	10.85	10.99	11.13	11.27	11.42
11.4000	11.56	11.71	11.86	12.01	12.16
11.4625	12.31	12.46	12.62	12.78	12.95
11.5250	13.15	13.35	13.58	13.85	14.12
11.5875	14.46	14.84	15.22	15.73	16.25
11.6500	16.80	17.48	18.16	18.90	19.77
11.7125	20.63	21.58	22.60	23.61	24.72
11.7750	25.85	26.98	28.23	29.47	30.74
11.8375	32.05	33.37	34.70	36.06	37.42
11.9000	38.95	40.54	42.14	44.17	46.21
11.9625	48.40	51.21	54.02	57.12	60.61
12.0250	64.11	67.72	71.40	75.08	78.53
12.0875	81.95	85.29	87.91	90.52	92.71
12.1500	94.01	95.31	95.68	95.29	94.91
12.2125	93.47	91.74	90.00	87.59	85.17
12.2750	82.69	80.00	77.31	74.64	71.99
12.3375	69.33	66.92	64.61	62.30	60.22
12.4000	58.16	56.12	54.20	52.28	50.40
12.4625	48.61	46.81	45.07	43.36	41.65
12.5250	40.02	38.39	36.78	35.30	33.82
12.5875	32.38	31.04	29.71	28.45	27.28
12.6500	26.10	25.08	24.11	23.14	22.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7125	21.55	20.79	20.15	19.51	18.93
12.7750	18.43	17.93	17.48	17.08	16.67
12.8375	16.33	15.99	15.66	15.37	15.08
12.9000	14.81	14.56	14.31	14.07	13.86
12.9625	13.64	13.43	13.23	13.03	12.84
13.0250	12.65	12.47	12.29	12.12	11.96
13.0875	11.80	11.64	11.50	11.35	11.21
13.1500	11.09	10.97	10.85	10.74	10.64
13.2125	10.54	10.45	10.36	10.28	10.21
13.2750	10.13	10.06	10.00	9.94	9.88
13.3375	9.82	9.76	9.71	9.66	9.61
13.4000	9.56	9.51	9.46	9.41	9.36
13.4625	9.32	9.27	9.23	9.18	9.14
13.5250	9.09	9.05	9.01	8.96	8.92
13.5875	8.88	8.84	8.79	8.75	8.71
13.6500	8.67	8.62	8.58	8.54	8.50
13.7125	8.46	8.41	8.37	8.33	8.29
13.7750	8.25	8.21	8.17	8.12	8.08
13.8375	8.04	8.00	7.96	7.92	7.88
13.9000	7.84	7.79	7.75	7.71	7.67
13.9625	7.63	7.59	7.54	7.50	7.46
14.0250	7.42	7.38	7.34	7.30	7.26
14.0875	7.22	7.18	7.14	7.11	7.07
14.1500	7.04	7.00	6.97	6.94	6.91
14.2125	6.88	6.85	6.83	6.80	6.77
14.2750	6.75	6.72	6.70	6.68	6.65
14.3375	6.63	6.61	6.58	6.56	6.54
14.4000	6.52	6.50	6.48	6.46	6.44
14.4625	6.42	6.39	6.37	6.35	6.33
14.5250	6.31	6.29	6.27	6.25	6.23
14.5875	6.21	6.19	6.17	6.15	6.13
14.6500	6.11	6.09	6.07	6.05	6.03
14.7125	6.01	5.99	5.97	5.95	5.93
14.7750	5.91	5.89	5.87	5.85	5.83
14.8375	5.81	5.79	5.77	5.75	5.73
14.9000	5.71	5.69	5.67	5.65	5.63
14.9625	5.61	5.59	5.57	5.55	5.53
15.0250	5.51	5.49	5.47	5.45	5.43
15.0875	5.41	5.39	5.37	5.35	5.33
15.1500	5.31	5.29	5.27	5.25	5.23
15.2125	5.21	5.19	5.17	5.15	5.13
15.2750	5.11	5.09	5.07	5.05	5.03
15.3375	5.01	4.99	4.97	4.95	4.93
15.4000	4.91	4.89	4.87	4.85	4.84
15.4625	4.82	4.80	4.78	4.76	4.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5250	4.72	4.70	4.68	4.66	4.64
15.5875	4.62	4.60	4.58	4.56	4.54
15.6500	4.52	4.50	4.48	4.46	4.44
15.7125	4.42	4.40	4.38	4.36	4.34
15.7750	4.32	4.30	4.28	4.26	4.24
15.8375	4.22	4.20	4.18	4.16	4.14
15.9000	4.12	4.10	4.08	4.06	4.03
15.9625	4.02	4.00	3.98	3.96	3.94
16.0250	3.92	3.90	3.88	3.86	3.84
16.0875	3.82	3.80	3.79	3.77	3.75
16.1500	3.74	3.72	3.71	3.69	3.68
16.2125	3.66	3.65	3.64	3.62	3.61
16.2750	3.60	3.59	3.58	3.57	3.56
16.3375	3.55	3.54	3.53	3.52	3.51
16.4000	3.50	3.49	3.48	3.47	3.46
16.4625	3.45	3.44	3.43	3.42	3.41
16.5250	3.41	3.40	3.39	3.38	3.37
16.5875	3.36	3.35	3.34	3.34	3.33
16.6500	3.32	3.31	3.30	3.29	3.28
16.7125	3.27	3.26	3.26	3.25	3.24
16.7750	3.23	3.22	3.21	3.20	3.20
16.8375	3.19	3.18	3.17	3.16	3.15
16.9000	3.14	3.13	3.13	3.12	3.11
16.9625	3.10	3.09	3.08	3.07	3.07
17.0250	3.06	3.05	3.04	3.03	3.02
17.0875	3.01	3.00	3.00	2.99	2.98
17.1500	2.97	2.96	2.95	2.94	2.94
17.2125	2.93	2.92	2.91	2.90	2.89
17.2750	2.88	2.87	2.86	2.86	2.85
17.3375	2.84	2.83	2.82	2.81	2.80
17.4000	2.80	2.79	2.78	2.77	2.76
17.4625	2.75	2.74	2.73	2.73	2.72
17.5250	2.71	2.70	2.69	2.68	2.67
17.5875	2.67	2.66	2.65	2.64	2.63
17.6500	2.62	2.61	2.60	2.59	2.59
17.7125	2.58	2.57	2.56	2.55	2.54
17.7750	2.53	2.53	2.52	2.51	2.50
17.8375	2.49	2.48	2.47	2.46	2.46
17.9000	2.45	2.44	2.43	2.42	2.41
17.9625	2.40	2.40	2.39	2.38	2.37
18.0250	2.36	2.35	2.34	2.33	2.33
18.0875	2.32	2.31	2.30	2.29	2.29
18.1500	2.28	2.27	2.27	2.26	2.26
18.2125	2.25	2.25	2.24	2.24	2.23
18.2750	2.23	2.23	2.22	2.22	2.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3375	2.21	2.21	2.21	2.20	2.20
18.4000	2.20	2.19	2.19	2.19	2.18
18.4625	2.18	2.18	2.18	2.17	2.17
18.5250	2.17	2.17	2.16	2.16	2.16
18.5875	2.15	2.15	2.15	2.15	2.14
18.6500	2.14	2.14	2.14	2.13	2.13
18.7125	2.13	2.13	2.12	2.12	2.12
18.7750	2.11	2.11	2.11	2.11	2.10
18.8375	2.10	2.10	2.10	2.09	2.09
18.9000	2.09	2.09	2.08	2.08	2.08
18.9625	2.08	2.07	2.07	2.07	2.07
19.0250	2.06	2.06	2.06	2.06	2.05
19.0875	2.05	2.05	2.04	2.04	2.04
19.1500	2.04	2.03	2.03	2.03	2.03
19.2125	2.02	2.02	2.02	2.02	2.01
19.2750	2.01	2.01	2.01	2.00	2.00
19.3375	2.00	1.99	1.99	1.99	1.99
19.4000	1.98	1.98	1.98	1.98	1.97
19.4625	1.97	1.97	1.97	1.96	1.96
19.5250	1.96	1.96	1.95	1.95	1.95
19.5875	1.95	1.94	1.94	1.94	1.93
19.6500	1.93	1.93	1.93	1.92	1.92
19.7125	1.92	1.92	1.91	1.91	1.91
19.7750	1.91	1.90	1.90	1.90	1.90
19.8375	1.89	1.89	1.89	1.89	1.88
19.9000	1.88	1.88	1.87	1.87	1.87
19.9625	1.87	1.86	1.86	1.86	1.86
20.0250	1.85	1.85	1.85	1.85	1.84
20.0875	1.84	1.84	1.84	1.83	1.83
20.1500	1.83	1.83	1.82	1.82	1.82
20.2125	1.82	1.82	1.81	1.81	1.81
20.2750	1.81	1.81	1.80	1.80	1.80
20.3375	1.80	1.80	1.79	1.79	1.79
20.4000	1.79	1.78	1.78	1.78	1.78
20.4625	1.78	1.77	1.77	1.77	1.77
20.5250	1.77	1.76	1.76	1.76	1.76
20.5875	1.76	1.75	1.75	1.75	1.75
20.6500	1.75	1.75	1.74	1.74	1.74
20.7125	1.74	1.73	1.73	1.73	1.73
20.7750	1.72	1.72	1.72	1.72	1.72
20.8375	1.72	1.71	1.71	1.71	1.71
20.9000	1.71	1.70	1.70	1.70	1.70
20.9625	1.70	1.69	1.69	1.69	1.69
21.0250	1.69	1.69	1.68	1.68	1.68
21.0875	1.68	1.68	1.68	1.67	1.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1500	1.67	1.67	1.67	1.66	1.66
21.2125	1.66	1.66	1.65	1.65	1.65
21.2750	1.65	1.65	1.64	1.64	1.64
21.3375	1.64	1.64	1.63	1.63	1.63
21.4000	1.63	1.63	1.63	1.62	1.62
21.4625	1.62	1.62	1.62	1.61	1.61
21.5250	1.61	1.61	1.60	1.60	1.60
21.5875	1.60	1.60	1.59	1.59	1.59
21.6500	1.59	1.59	1.58	1.58	1.58
21.7125	1.58	1.58	1.58	1.57	1.57
21.7750	1.57	1.57	1.57	1.56	1.56
21.8375	1.56	1.56	1.56	1.56	1.55
21.9000	1.55	1.55	1.55	1.55	1.54
21.9625	1.54	1.54	1.54	1.54	1.53
22.0250	1.53	1.53	1.53	1.52	1.52
22.0875	1.52	1.52	1.52	1.52	1.51
22.1500	1.51	1.51	1.51	1.51	1.50
22.2125	1.50	1.50	1.50	1.50	1.49
22.2750	1.49	1.49	1.49	1.49	1.48
22.3375	1.48	1.48	1.48	1.47	1.47
22.4000	1.47	1.47	1.47	1.46	1.46
22.4625	1.46	1.46	1.46	1.46	1.45
22.5250	1.45	1.45	1.45	1.45	1.44
22.5875	1.44	1.44	1.44	1.44	1.44
22.6500	1.43	1.43	1.43	1.43	1.43
22.7125	1.43	1.42	1.42	1.42	1.42
22.7750	1.41	1.41	1.41	1.41	1.41
22.8375	1.40	1.40	1.40	1.40	1.40
22.9000	1.39	1.39	1.39	1.39	1.39
22.9625	1.38	1.38	1.38	1.38	1.38
23.0250	1.37	1.37	1.37	1.37	1.37
23.0875	1.36	1.36	1.36	1.36	1.35
23.1500	1.35	1.35	1.35	1.35	1.34
23.2125	1.34	1.34	1.34	1.34	1.34
23.2750	1.33	1.33	1.33	1.33	1.33
23.3375	1.32	1.32	1.32	1.32	1.32
23.4000	1.31	1.31	1.31	1.31	1.31
23.4625	1.31	1.31	1.30	1.30	1.30
23.5250	1.30	1.30	1.29	1.29	1.29
23.5875	1.29	1.28	1.28	1.28	1.28
23.6500	1.28	1.27	1.27	1.27	1.27
23.7125	1.27	1.26	1.26	1.26	1.26
23.7750	1.26	1.25	1.25	1.25	1.25
23.8375	1.25	1.25	1.24	1.24	1.24
23.9000	1.24	1.23	1.23	1.23	1.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.9625	1.22	1.22	1.22	1.21	1.21
24.0250	1.20	1.18	1.17	1.14	1.11
24.0875	1.07	1.02	.97	.91	.85
24.1500	.78	.72	.66	.60	.53
24.2125	.48	.43	.38	.34	.30
24.2750	.26	.24	.21	.19	.17
24.3375	.15	.13	.12	.10	.09
24.4000	.08	.07	.06	.06	.05
24.4625	.04	.04	.03	.03	.03
24.5250	.02	.02	.02	.02	.01
24.5875	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00				

Name... D.A. CC-4 Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-4 25
Tc = .2600 hrs
Drainage Area = 25.500 acres Runoff CN= 94

=====
Computational Time Increment = .03467 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 114.52 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 114.25 cfs
=====

DRAINAGE AREA

ID:D.A. CC-4
CN = 94
Area = 25.500 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

5.7922 in
536151 cu.ft

HYG Volume... 536153 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .26000 hrs (ID: D.A. CC-4)
Computational Incr, Tm = .03467 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 111.13 cfs
Unit peak time Tp = .17333 hrs
Unit receding limb, Tr = .69333 hrs
Total unit time, Tb = .86667 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-4 25
 Tc = .2600 hrs
 Drainage Area = 25.500 acres Runoff CN= 94
 Calc.Increment= .03467 hrs Out.Incr.= .0125 hrs
 HYG Volume = 536153 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

2.0375	.00	.00	.00	.00	.00
2.1000	.00	.01	.01	.01	.01
2.1625	.01	.02	.02	.02	.02
2.2250	.03	.03	.03	.04	.04
2.2875	.04	.05	.05	.06	.06
2.3500	.06	.07	.07	.08	.08
2.4125	.08	.09	.09	.10	.10
2.4750	.11	.11	.11	.12	.12
2.5375	.13	.13	.14	.14	.15
2.6000	.15	.15	.16	.16	.17
2.6625	.17	.18	.18	.19	.19
2.7250	.19	.20	.20	.21	.21
2.7875	.22	.22	.23	.23	.23
2.8500	.24	.24	.25	.25	.26
2.9125	.26	.27	.27	.28	.28
2.9750	.29	.29	.29	.30	.30
3.0375	.31	.31	.32	.32	.33
3.1000	.33	.34	.34	.35	.35
3.1625	.35	.36	.36	.37	.37
3.2250	.38	.38	.39	.39	.40
3.2875	.40	.41	.41	.42	.42
3.3500	.43	.43	.43	.44	.44
3.4125	.45	.45	.46	.46	.47
3.4750	.47	.48	.48	.49	.49
3.5375	.50	.50	.51	.51	.52
3.6000	.52	.53	.53	.53	.54
3.6625	.54	.55	.55	.56	.56
3.7250	.57	.57	.58	.58	.59
3.7875	.59	.60	.60	.61	.61
3.8500	.62	.62	.63	.63	.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.9125	.64	.65	.65	.66	.66
3.9750	.66	.67	.67	.68	.68
4.0375	.69	.69	.70	.70	.71
4.1000	.71	.72	.72	.73	.73
4.1625	.74	.74	.75	.75	.76
4.2250	.76	.77	.77	.78	.78
4.2875	.79	.79	.80	.80	.81
4.3500	.81	.82	.82	.83	.83
4.4125	.84	.84	.85	.85	.85
4.4750	.86	.86	.87	.87	.88
4.5375	.88	.89	.89	.90	.90
4.6000	.91	.91	.92	.92	.93
4.6625	.93	.94	.94	.95	.95
4.7250	.96	.96	.97	.97	.98
4.7875	.98	.99	.99	1.00	1.00
4.8500	1.01	1.01	1.02	1.02	1.03
4.9125	1.03	1.04	1.04	1.05	1.05
4.9750	1.06	1.06	1.07	1.07	1.08
5.0375	1.08	1.09	1.09	1.10	1.10
5.1000	1.11	1.11	1.12	1.12	1.12
5.1625	1.13	1.13	1.14	1.14	1.15
5.2250	1.15	1.16	1.16	1.17	1.17
5.2875	1.18	1.18	1.19	1.19	1.20
5.3500	1.20	1.21	1.21	1.22	1.22
5.4125	1.23	1.23	1.24	1.24	1.25
5.4750	1.25	1.26	1.26	1.27	1.27
5.5375	1.28	1.28	1.29	1.29	1.30
5.6000	1.30	1.31	1.31	1.32	1.32
5.6625	1.33	1.33	1.34	1.34	1.34
5.7250	1.35	1.35	1.36	1.36	1.37
5.7875	1.37	1.38	1.38	1.39	1.39
5.8500	1.40	1.40	1.41	1.41	1.42
5.9125	1.42	1.43	1.43	1.44	1.44
5.9750	1.45	1.45	1.46	1.46	1.47
6.0375	1.47	1.48	1.48	1.49	1.49
6.1000	1.50	1.50	1.51	1.52	1.52
6.1625	1.53	1.54	1.54	1.55	1.56
6.2250	1.56	1.57	1.58	1.59	1.60
6.2875	1.60	1.61	1.62	1.63	1.64
6.3500	1.65	1.66	1.66	1.67	1.68
6.4125	1.69	1.70	1.71	1.72	1.73
6.4750	1.74	1.75	1.76	1.77	1.78
6.5375	1.79	1.79	1.80	1.81	1.82
6.6000	1.83	1.84	1.85	1.86	1.87
6.6625	1.88	1.89	1.90	1.91	1.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.7250	1.93	1.94	1.95	1.96	1.97
6.7875	1.98	1.99	2.00	2.01	2.02
6.8500	2.03	2.04	2.05	2.06	2.07
6.9125	2.08	2.09	2.10	2.11	2.12
6.9750	2.13	2.14	2.15	2.16	2.17
7.0375	2.18	2.19	2.21	2.22	2.23
7.1000	2.24	2.25	2.26	2.27	2.28
7.1625	2.29	2.30	2.31	2.32	2.33
7.2250	2.34	2.35	2.36	2.37	2.38
7.2875	2.40	2.41	2.42	2.43	2.44
7.3500	2.45	2.46	2.47	2.48	2.49
7.4125	2.50	2.51	2.52	2.54	2.55
7.4750	2.56	2.57	2.58	2.59	2.60
7.5375	2.61	2.62	2.63	2.65	2.66
7.6000	2.67	2.68	2.69	2.70	2.71
7.6625	2.72	2.73	2.74	2.76	2.77
7.7250	2.78	2.79	2.80	2.81	2.82
7.7875	2.83	2.85	2.86	2.87	2.88
7.8500	2.89	2.90	2.91	2.92	2.93
7.9125	2.95	2.96	2.97	2.98	2.99
7.9750	3.00	3.02	3.03	3.04	3.05
8.0375	3.06	3.07	3.09	3.10	3.11
8.1000	3.12	3.14	3.15	3.17	3.18
8.1625	3.20	3.21	3.23	3.25	3.26
8.2250	3.28	3.30	3.32	3.34	3.36
8.2875	3.37	3.39	3.42	3.44	3.46
8.3500	3.48	3.50	3.52	3.54	3.56
8.4125	3.58	3.61	3.63	3.65	3.67
8.4750	3.69	3.72	3.74	3.76	3.78
8.5375	3.81	3.83	3.85	3.87	3.90
8.6000	3.92	3.94	3.96	3.99	4.01
8.6625	4.03	4.06	4.08	4.10	4.12
8.7250	4.15	4.17	4.19	4.22	4.24
8.7875	4.26	4.29	4.31	4.34	4.36
8.8500	4.38	4.41	4.43	4.45	4.48
8.9125	4.50	4.52	4.55	4.57	4.60
8.9750	4.62	4.64	4.67	4.69	4.72
9.0375	4.74	4.76	4.79	4.81	4.84
9.1000	4.86	4.88	4.91	4.93	4.96
9.1625	4.98	5.01	5.03	5.06	5.08
9.2250	5.10	5.13	5.15	5.18	5.20
9.2875	5.23	5.25	5.28	5.30	5.33
9.3500	5.35	5.37	5.40	5.42	5.45
9.4125	5.47	5.50	5.52	5.55	5.57
9.4750	5.60	5.62	5.65	5.67	5.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.5375	5.72	5.75	5.77	5.80	5.82
9.6000	5.85	5.87	5.90	5.92	5.95
9.6625	5.97	6.00	6.02	6.05	6.08
9.7250	6.10	6.13	6.15	6.18	6.20
9.7875	6.23	6.25	6.28	6.30	6.33
9.8500	6.36	6.38	6.41	6.43	6.46
9.9125	6.48	6.51	6.53	6.56	6.59
9.9750	6.61	6.64	6.66	6.69	6.71
10.0375	6.74	6.77	6.80	6.82	6.85
10.1000	6.88	6.91	6.94	6.98	7.01
10.1625	7.04	7.08	7.11	7.15	7.19
10.2250	7.23	7.27	7.31	7.35	7.40
10.2875	7.44	7.49	7.53	7.58	7.62
10.3500	7.67	7.71	7.76	7.81	7.86
10.4125	7.90	7.95	8.00	8.05	8.10
10.4750	8.15	8.19	8.24	8.29	8.34
10.5375	8.39	8.44	8.49	8.54	8.59
10.6000	8.64	8.69	8.74	8.79	8.84
10.6625	8.89	8.94	8.99	9.04	9.09
10.7250	9.14	9.19	9.25	9.30	9.35
10.7875	9.40	9.45	9.50	9.55	9.60
10.8500	9.65	9.70	9.75	9.80	9.85
10.9125	9.90	9.96	10.01	10.06	10.11
10.9750	10.16	10.21	10.26	10.32	10.37
11.0375	10.43	10.49	10.55	10.61	10.68
11.1000	10.75	10.83	10.91	11.00	11.10
11.1625	11.19	11.30	11.42	11.53	11.66
11.2250	11.79	11.93	12.07	12.21	12.36
11.2875	12.52	12.67	12.83	13.00	13.17
11.3500	13.33	13.50	13.67	13.85	14.02
11.4125	14.20	14.38	14.56	14.74	14.92
11.4750	15.10	15.29	15.48	15.68	15.92
11.5375	16.16	16.44	16.76	17.08	17.49
11.6000	17.95	18.40	19.02	19.64	20.30
11.6625	21.11	21.93	22.83	23.86	24.90
11.7250	26.04	27.26	28.48	29.81	31.16
11.7875	32.52	34.01	35.50	37.02	38.59
11.8500	40.16	41.76	43.38	45.00	46.83
11.9125	48.73	50.63	53.05	55.49	58.10
11.9750	61.45	64.80	68.49	72.65	76.82
12.0375	81.12	85.50	89.88	93.98	98.04
12.1000	102.01	105.10	108.20	110.79	112.31
12.1625	113.84	114.25	113.77	113.28	111.55
12.2250	109.46	107.37	104.47	101.57	98.60
12.2875	95.38	92.16	88.96	85.79	82.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3500	79.73	76.97	74.21	71.72	69.26
12.4125	66.82	64.53	62.23	60.00	57.86
12.4750	55.72	53.64	51.60	49.56	47.61
12.5375	45.68	43.75	41.99	40.23	38.51
12.6000	36.92	35.33	33.83	32.44	31.04
12.6625	29.82	28.66	27.51	26.56	25.62
12.7250	24.71	23.95	23.20	22.50	21.90
12.7875	21.30	20.78	20.30	19.81	19.40
12.8500	19.00	18.60	18.26	17.92	17.59
12.9125	17.30	17.00	16.72	16.46	16.20
12.9750	15.96	15.72	15.48	15.25	15.03
13.0375	14.81	14.60	14.40	14.20	14.02
13.1000	13.83	13.66	13.49	13.32	13.17
13.1625	13.03	12.88	12.76	12.64	12.52
13.2250	12.41	12.31	12.21	12.12	12.03
13.2875	11.95	11.88	11.80	11.73	11.66
13.3500	11.59	11.53	11.47	11.41	11.35
13.4125	11.29	11.23	11.17	11.12	11.06
13.4750	11.01	10.96	10.90	10.85	10.80
13.5375	10.75	10.69	10.64	10.59	10.54
13.6000	10.49	10.44	10.39	10.34	10.29
13.6625	10.24	10.19	10.14	10.09	10.04
13.7250	9.99	9.94	9.89	9.84	9.79
13.7875	9.75	9.70	9.65	9.60	9.55
13.8500	9.50	9.45	9.40	9.35	9.30
13.9125	9.25	9.20	9.15	9.10	9.05
13.9750	9.01	8.96	8.91	8.86	8.81
14.0375	8.76	8.71	8.66	8.62	8.57
14.1000	8.53	8.48	8.44	8.39	8.35
14.1625	8.31	8.28	8.24	8.20	8.17
14.2250	8.13	8.10	8.07	8.04	8.01
14.2875	7.98	7.95	7.92	7.90	7.87
14.3500	7.84	7.82	7.79	7.76	7.74
14.4125	7.71	7.69	7.66	7.64	7.61
14.4750	7.59	7.57	7.54	7.52	7.49
14.5375	7.47	7.44	7.42	7.40	7.37
14.6000	7.35	7.32	7.30	7.28	7.25
14.6625	7.23	7.21	7.18	7.16	7.13
14.7250	7.11	7.09	7.06	7.04	7.02
14.7875	6.99	6.97	6.94	6.92	6.90
14.8500	6.87	6.85	6.83	6.80	6.78
14.9125	6.76	6.73	6.71	6.68	6.66
14.9750	6.64	6.61	6.59	6.57	6.54
15.0375	6.52	6.49	6.47	6.45	6.42
15.1000	6.40	6.38	6.35	6.33	6.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.1625	6.28	6.26	6.23	6.21	6.19
15.2250	6.16	6.14	6.12	6.09	6.07
15.2875	6.04	6.02	6.00	5.97	5.95
15.3500	5.93	5.90	5.88	5.85	5.83
15.4125	5.81	5.78	5.76	5.74	5.71
15.4750	5.69	5.67	5.64	5.62	5.59
15.5375	5.57	5.55	5.52	5.50	5.48
15.6000	5.45	5.43	5.40	5.38	5.36
15.6625	5.33	5.31	5.29	5.26	5.24
15.7250	5.22	5.19	5.17	5.14	5.12
15.7875	5.10	5.07	5.05	5.02	5.00
15.8500	4.98	4.95	4.93	4.91	4.88
15.9125	4.86	4.83	4.81	4.79	4.76
15.9750	4.74	4.72	4.69	4.67	4.65
16.0375	4.62	4.60	4.58	4.56	4.53
16.1000	4.51	4.49	4.47	4.45	4.43
16.1625	4.41	4.40	4.38	4.36	4.35
16.2250	4.33	4.31	4.30	4.28	4.27
16.2875	4.26	4.24	4.23	4.22	4.21
16.3500	4.20	4.18	4.17	4.16	4.15
16.4125	4.14	4.13	4.12	4.10	4.09
16.4750	4.08	4.07	4.06	4.05	4.04
16.5375	4.03	4.02	4.01	4.00	3.99
16.6000	3.98	3.97	3.96	3.95	3.93
16.6625	3.92	3.91	3.90	3.89	3.88
16.7250	3.87	3.86	3.85	3.84	3.83
16.7875	3.82	3.81	3.80	3.79	3.78
16.8500	3.77	3.76	3.75	3.74	3.73
16.9125	3.72	3.71	3.70	3.69	3.68
16.9750	3.67	3.66	3.65	3.64	3.63
17.0375	3.61	3.60	3.59	3.58	3.57
17.1000	3.56	3.55	3.54	3.53	3.52
17.1625	3.51	3.50	3.49	3.48	3.47
17.2250	3.46	3.45	3.44	3.43	3.42
17.2875	3.41	3.40	3.39	3.38	3.37
17.3500	3.36	3.35	3.34	3.33	3.32
17.4125	3.31	3.29	3.28	3.27	3.26
17.4750	3.25	3.24	3.23	3.22	3.21
17.5375	3.20	3.19	3.18	3.17	3.16
17.6000	3.15	3.14	3.13	3.12	3.11
17.6625	3.10	3.09	3.08	3.07	3.06
17.7250	3.05	3.04	3.03	3.02	3.01
17.7875	3.00	2.98	2.97	2.96	2.95
17.8500	2.94	2.93	2.92	2.91	2.90
17.9125	2.89	2.88	2.87	2.86	2.85

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9750	2.84	2.83	2.82	2.81	2.80
18.0375	2.79	2.78	2.77	2.76	2.75
18.1000	2.74	2.73	2.72	2.71	2.70
18.1625	2.70	2.69	2.68	2.68	2.67
18.2250	2.67	2.66	2.65	2.65	2.64
18.2875	2.64	2.64	2.63	2.63	2.62
18.3500	2.62	2.62	2.61	2.61	2.60
18.4125	2.60	2.60	2.59	2.59	2.59
18.4750	2.58	2.58	2.58	2.57	2.57
18.5375	2.57	2.56	2.56	2.56	2.55
18.6000	2.55	2.55	2.55	2.54	2.54
18.6625	2.54	2.53	2.53	2.53	2.52
18.7250	2.52	2.52	2.51	2.51	2.51
18.7875	2.50	2.50	2.50	2.50	2.49
18.8500	2.49	2.49	2.48	2.48	2.48
18.9125	2.47	2.47	2.47	2.46	2.46
18.9750	2.46	2.46	2.45	2.45	2.45
19.0375	2.44	2.44	2.44	2.43	2.43
19.1000	2.43	2.42	2.42	2.42	2.41
19.1625	2.41	2.41	2.41	2.40	2.40
19.2250	2.40	2.39	2.39	2.39	2.38
19.2875	2.38	2.38	2.37	2.37	2.37
19.3500	2.37	2.36	2.36	2.36	2.35
19.4125	2.35	2.35	2.34	2.34	2.34
19.4750	2.33	2.33	2.33	2.33	2.32
19.5375	2.32	2.32	2.31	2.31	2.31
19.6000	2.30	2.30	2.30	2.29	2.29
19.6625	2.29	2.29	2.28	2.28	2.28
19.7250	2.27	2.27	2.27	2.26	2.26
19.7875	2.26	2.25	2.25	2.25	2.24
19.8500	2.24	2.24	2.24	2.23	2.23
19.9125	2.23	2.22	2.22	2.22	2.21
19.9750	2.21	2.21	2.20	2.20	2.20
20.0375	2.20	2.19	2.19	2.19	2.18
20.1000	2.18	2.18	2.17	2.17	2.17
20.1625	2.16	2.16	2.16	2.16	2.15
20.2250	2.15	2.15	2.15	2.15	2.14
20.2875	2.14	2.14	2.14	2.13	2.13
20.3500	2.13	2.13	2.12	2.12	2.12
20.4125	2.12	2.11	2.11	2.11	2.11
20.4750	2.10	2.10	2.10	2.10	2.09
20.5375	2.09	2.09	2.09	2.09	2.08
20.6000	2.08	2.08	2.08	2.07	2.07
20.6625	2.07	2.07	2.06	2.06	2.06
20.7250	2.06	2.05	2.05	2.05	2.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7875	2.04	2.04	2.04	2.04	2.03
20.8500	2.03	2.03	2.03	2.03	2.02
20.9125	2.02	2.02	2.02	2.01	2.01
20.9750	2.01	2.01	2.01	2.00	2.00
21.0375	2.00	2.00	2.00	1.99	1.99
21.1000	1.99	1.99	1.98	1.98	1.98
21.1625	1.98	1.97	1.97	1.97	1.97
21.2250	1.96	1.96	1.96	1.96	1.95
21.2875	1.95	1.95	1.95	1.95	1.94
21.3500	1.94	1.94	1.94	1.93	1.93
21.4125	1.93	1.93	1.93	1.92	1.92
21.4750	1.92	1.92	1.91	1.91	1.91
21.5375	1.90	1.90	1.90	1.90	1.89
21.6000	1.89	1.89	1.89	1.89	1.88
21.6625	1.88	1.88	1.88	1.87	1.87
21.7250	1.87	1.87	1.87	1.86	1.86
21.7875	1.86	1.86	1.85	1.85	1.85
21.8500	1.85	1.85	1.84	1.84	1.84
21.9125	1.84	1.84	1.83	1.83	1.83
21.9750	1.83	1.82	1.82	1.82	1.82
22.0375	1.81	1.81	1.81	1.81	1.80
22.1000	1.80	1.80	1.80	1.79	1.79
22.1625	1.79	1.79	1.79	1.78	1.78
22.2250	1.78	1.78	1.77	1.77	1.77
22.2875	1.77	1.76	1.76	1.76	1.76
22.3500	1.75	1.75	1.75	1.74	1.74
22.4125	1.74	1.74	1.74	1.73	1.73
22.4750	1.73	1.73	1.73	1.72	1.72
22.5375	1.72	1.72	1.71	1.71	1.71
22.6000	1.71	1.71	1.70	1.70	1.70
22.6625	1.70	1.70	1.69	1.69	1.69
22.7250	1.69	1.68	1.68	1.68	1.68
22.7875	1.67	1.67	1.67	1.67	1.66
22.8500	1.66	1.66	1.66	1.65	1.65
22.9125	1.65	1.65	1.65	1.64	1.64
22.9750	1.64	1.64	1.63	1.63	1.63
23.0375	1.63	1.62	1.62	1.62	1.62
23.1000	1.61	1.61	1.61	1.61	1.60
23.1625	1.60	1.60	1.60	1.59	1.59
23.2250	1.59	1.59	1.59	1.58	1.58
23.2875	1.58	1.58	1.57	1.57	1.57
23.3500	1.57	1.57	1.56	1.56	1.56
23.4125	1.56	1.55	1.55	1.55	1.55
23.4750	1.55	1.55	1.54	1.54	1.54
23.5375	1.54	1.53	1.53	1.53	1.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6000	1.52	1.52	1.52	1.51	1.51
23.6625	1.51	1.51	1.51	1.50	1.50
23.7250	1.50	1.50	1.49	1.49	1.49
23.7875	1.49	1.49	1.48	1.48	1.48
23.8500	1.48	1.47	1.47	1.47	1.47
23.9125	1.46	1.46	1.46	1.45	1.45
23.9750	1.45	1.45	1.44	1.43	1.42
24.0375	1.40	1.38	1.35	1.31	1.27
24.1000	1.21	1.15	1.08	1.01	.93
24.1625	.85	.78	.71	.63	.57
24.2250	.51	.45	.40	.35	.31
24.2875	.28	.25	.22	.20	.17
24.3500	.15	.14	.12	.11	.10
24.4125	.08	.08	.07	.06	.05
24.4750	.05	.04	.04	.03	.03
24.5375	.02	.02	.02	.02	.01
24.6000	.01	.01	.01	.01	.01
24.6625	.01	.01	.00	.00	.00
24.7250	.00	.00	.00	.00	.00
24.7875	.00				

Name... D.A. CC-4 Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-4 50
Tc = .2600 hrs
Drainage Area = 25.500 acres Runoff CN= 94

=====
Computational Time Increment = .03467 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 123.80 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 123.51 cfs
=====

DRAINAGE AREA

ID:D.A. CC-4
CN = 94
Area = 25.500 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

6.2883 in
582076 cu.ft

HYG Volume... 582078 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .26000 hrs (ID: D.A. CC-4)
Computational Incr, Tm = .03467 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 111.13 cfs
Unit peak time Tp = .17333 hrs
Unit receding limb, Tr = .69333 hrs
Total unit time, Tb = .86667 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. CC-4 50
 Tc = .2600 hrs
 Drainage Area = 25.500 acres Runoff CN= 94
 Calc.Increment= .03467 hrs Out.Incr.= .0125 hrs
 HYG Volume = 582078 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
1.9000	.00	.00	.00	.00	.00
1.9625	.01	.01	.01	.01	.01
2.0250	.02	.02	.02	.03	.03
2.0875	.03	.04	.04	.04	.05
2.1500	.05	.06	.06	.06	.07
2.2125	.07	.08	.08	.09	.09
2.2750	.10	.10	.11	.11	.11
2.3375	.12	.12	.13	.13	.14
2.4000	.14	.15	.15	.16	.16
2.4625	.17	.17	.18	.18	.19
2.5250	.19	.20	.20	.21	.21
2.5875	.22	.22	.23	.23	.24
2.6500	.24	.25	.25	.26	.26
2.7125	.27	.27	.28	.28	.29
2.7750	.29	.30	.30	.31	.31
2.8375	.32	.32	.33	.33	.34
2.9000	.34	.35	.35	.36	.36
2.9625	.37	.37	.38	.38	.39
3.0250	.39	.40	.40	.41	.42
3.0875	.42	.43	.43	.44	.44
3.1500	.45	.45	.46	.46	.47
3.2125	.47	.48	.48	.49	.49
3.2750	.50	.50	.51	.51	.52
3.3375	.52	.53	.53	.54	.55
3.4000	.55	.56	.56	.57	.57
3.4625	.58	.58	.59	.59	.60
3.5250	.60	.61	.61	.62	.62
3.5875	.63	.63	.64	.65	.65
3.6500	.66	.66	.67	.67	.68
3.7125	.68	.69	.69	.70	.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.7750	.71	.71	.72	.72	.73
3.8375	.74	.74	.75	.75	.76
3.9000	.76	.77	.77	.78	.78
3.9625	.79	.79	.80	.80	.81
4.0250	.82	.82	.83	.83	.84
4.0875	.84	.85	.85	.86	.86
4.1500	.87	.87	.88	.88	.89
4.2125	.90	.90	.91	.91	.92
4.2750	.92	.93	.93	.94	.94
4.3375	.95	.95	.96	.96	.97
4.4000	.98	.98	.99	.99	1.00
4.4625	1.00	1.01	1.01	1.02	1.02
4.5250	1.03	1.03	1.04	1.05	1.05
4.5875	1.06	1.06	1.07	1.07	1.08
4.6500	1.08	1.09	1.09	1.10	1.10
4.7125	1.11	1.11	1.12	1.13	1.13
4.7750	1.14	1.14	1.15	1.15	1.16
4.8375	1.16	1.17	1.17	1.18	1.18
4.9000	1.19	1.19	1.20	1.21	1.21
4.9625	1.22	1.22	1.23	1.23	1.24
5.0250	1.24	1.25	1.25	1.26	1.26
5.0875	1.27	1.27	1.28	1.29	1.29
5.1500	1.30	1.30	1.31	1.31	1.32
5.2125	1.32	1.33	1.33	1.34	1.34
5.2750	1.35	1.35	1.36	1.36	1.37
5.3375	1.38	1.38	1.39	1.39	1.40
5.4000	1.40	1.41	1.41	1.42	1.42
5.4625	1.43	1.43	1.44	1.44	1.45
5.5250	1.45	1.46	1.47	1.47	1.48
5.5875	1.48	1.49	1.49	1.50	1.50
5.6500	1.51	1.51	1.52	1.52	1.53
5.7125	1.53	1.54	1.54	1.55	1.55
5.7750	1.56	1.57	1.57	1.58	1.58
5.8375	1.59	1.59	1.60	1.60	1.61
5.9000	1.61	1.62	1.62	1.63	1.63
5.9625	1.64	1.64	1.65	1.65	1.66
6.0250	1.66	1.67	1.68	1.68	1.69
6.0875	1.69	1.70	1.71	1.71	1.72
6.1500	1.73	1.73	1.74	1.75	1.75
6.2125	1.76	1.77	1.78	1.79	1.80
6.2750	1.80	1.81	1.82	1.83	1.84
6.3375	1.85	1.86	1.87	1.88	1.89
6.4000	1.90	1.91	1.92	1.93	1.94
6.4625	1.95	1.96	1.97	1.98	1.99
6.5250	2.00	2.01	2.02	2.03	2.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.5875	2.06	2.07	2.08	2.09	2.10
6.6500	2.11	2.12	2.13	2.14	2.15
6.7125	2.16	2.17	2.18	2.19	2.21
6.7750	2.22	2.23	2.24	2.25	2.26
6.8375	2.27	2.28	2.29	2.30	2.31
6.9000	2.33	2.34	2.35	2.36	2.37
6.9625	2.38	2.39	2.40	2.42	2.43
7.0250	2.44	2.45	2.46	2.47	2.48
7.0875	2.49	2.51	2.52	2.53	2.54
7.1500	2.55	2.56	2.58	2.59	2.60
7.2125	2.61	2.62	2.63	2.64	2.66
7.2750	2.67	2.68	2.69	2.70	2.71
7.3375	2.73	2.74	2.75	2.76	2.77
7.4000	2.78	2.80	2.81	2.82	2.83
7.4625	2.84	2.85	2.87	2.88	2.89
7.5250	2.90	2.91	2.93	2.94	2.95
7.5875	2.96	2.97	2.99	3.00	3.01
7.6500	3.02	3.03	3.05	3.06	3.07
7.7125	3.08	3.09	3.11	3.12	3.13
7.7750	3.14	3.15	3.17	3.18	3.19
7.8375	3.20	3.22	3.23	3.24	3.25
7.9000	3.26	3.28	3.29	3.30	3.31
7.9625	3.33	3.34	3.35	3.36	3.38
8.0250	3.39	3.40	3.41	3.43	3.44
8.0875	3.45	3.47	3.48	3.50	3.51
8.1500	3.53	3.55	3.56	3.58	3.60
8.2125	3.62	3.64	3.66	3.68	3.70
8.2750	3.72	3.74	3.76	3.78	3.81
8.3375	3.83	3.85	3.88	3.90	3.92
8.4000	3.94	3.97	3.99	4.02	4.04
8.4625	4.06	4.09	4.11	4.14	4.16
8.5250	4.18	4.21	4.23	4.26	4.28
8.5875	4.31	4.33	4.36	4.38	4.41
8.6500	4.43	4.46	4.48	4.51	4.53
8.7125	4.56	4.58	4.61	4.63	4.66
8.7750	4.68	4.71	4.73	4.76	4.79
8.8375	4.81	4.84	4.86	4.89	4.91
8.9000	4.94	4.96	4.99	5.02	5.04
8.9625	5.07	5.09	5.12	5.15	5.17
9.0250	5.20	5.22	5.25	5.28	5.30
9.0875	5.33	5.35	5.38	5.41	5.43
9.1500	5.46	5.49	5.51	5.54	5.56
9.2125	5.59	5.62	5.64	5.67	5.70
9.2750	5.72	5.75	5.78	5.80	5.83
9.3375	5.86	5.88	5.91	5.94	5.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4000	5.99	6.02	6.04	6.07	6.10
9.4625	6.12	6.15	6.18	6.20	6.23
9.5250	6.26	6.28	6.31	6.34	6.37
9.5875	6.39	6.42	6.45	6.47	6.50
9.6500	6.53	6.55	6.58	6.61	6.64
9.7125	6.66	6.69	6.72	6.75	6.77
9.7750	6.80	6.83	6.86	6.88	6.91
9.8375	6.94	6.97	6.99	7.02	7.05
9.9000	7.07	7.10	7.13	7.16	7.19
9.9625	7.21	7.24	7.27	7.30	7.32
10.0250	7.35	7.38	7.41	7.44	7.47
10.0875	7.50	7.53	7.56	7.60	7.63
10.1500	7.67	7.70	7.74	7.78	7.82
10.2125	7.86	7.91	7.95	8.00	8.04
10.2750	8.09	8.14	8.18	8.23	8.28
10.3375	8.33	8.38	8.43	8.48	8.53
10.4000	8.58	8.64	8.69	8.74	8.79
10.4625	8.84	8.90	8.95	9.00	9.06
10.5250	9.11	9.16	9.22	9.27	9.32
10.5875	9.38	9.43	9.49	9.54	9.59
10.6500	9.65	9.70	9.76	9.81	9.86
10.7125	9.92	9.97	10.03	10.08	10.14
10.7750	10.19	10.25	10.30	10.35	10.41
10.8375	10.46	10.52	10.57	10.63	10.68
10.9000	10.74	10.79	10.85	10.90	10.96
10.9625	11.01	11.07	11.12	11.18	11.24
11.0250	11.29	11.36	11.42	11.49	11.56
11.0875	11.63	11.71	11.80	11.88	11.98
11.1500	12.08	12.18	12.30	12.42	12.55
11.2125	12.69	12.83	12.98	13.13	13.29
11.2750	13.45	13.61	13.78	13.96	14.14
11.3375	14.32	14.50	14.68	14.87	15.05
11.4000	15.24	15.44	15.63	15.83	16.02
11.4625	16.21	16.41	16.62	16.82	17.04
11.5250	17.30	17.56	17.86	18.20	18.55
11.5875	19.00	19.49	19.99	20.65	21.33
11.6500	22.04	22.92	23.81	24.78	25.90
11.7125	27.02	28.26	29.58	30.90	32.34
11.7750	33.80	35.27	36.89	38.50	40.14
11.8375	41.84	43.54	45.27	47.03	48.78
11.9000	50.75	52.81	54.86	57.48	60.11
11.9625	62.93	66.55	70.17	74.15	78.65
12.0250	83.15	87.80	92.52	97.25	101.67
12.0875	106.05	110.33	113.67	117.01	119.80
12.1500	121.43	123.07	123.51	122.97	122.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2125	120.56	118.29	116.03	112.89	109.75
12.2750	106.53	103.05	99.56	96.10	92.67
12.3375	89.24	86.11	83.13	80.15	77.46
12.4000	74.79	72.16	69.68	67.20	64.78
12.4625	62.47	60.15	57.91	55.71	53.51
12.5250	51.40	49.31	47.23	45.33	43.43
12.5875	41.57	39.85	38.13	36.52	35.01
12.6500	33.50	32.18	30.94	29.69	28.66
12.7125	27.65	26.67	25.85	25.03	24.28
12.7750	23.64	22.99	22.42	21.90	21.38
12.8375	20.94	20.50	20.07	19.71	19.34
12.9000	18.98	18.66	18.34	18.04	17.76
12.9625	17.48	17.22	16.96	16.70	16.46
13.0250	16.21	15.98	15.76	15.54	15.33
13.0875	15.12	14.92	14.73	14.55	14.37
13.1500	14.21	14.05	13.90	13.77	13.63
13.2125	13.51	13.39	13.28	13.17	13.08
13.2750	12.98	12.90	12.81	12.73	12.66
13.3375	12.58	12.51	12.44	12.37	12.31
13.4000	12.24	12.18	12.12	12.05	11.99
13.4625	11.94	11.88	11.82	11.76	11.70
13.5250	11.65	11.59	11.54	11.48	11.43
13.5875	11.37	11.32	11.26	11.21	11.15
13.6500	11.10	11.05	10.99	10.94	10.89
13.7125	10.83	10.78	10.72	10.67	10.62
13.7750	10.56	10.51	10.46	10.41	10.35
13.8375	10.30	10.25	10.19	10.14	10.09
13.9000	10.03	9.98	9.93	9.87	9.82
13.9625	9.77	9.71	9.66	9.61	9.55
14.0250	9.50	9.45	9.40	9.35	9.29
14.0875	9.25	9.20	9.15	9.10	9.05
14.1500	9.01	8.97	8.93	8.89	8.85
14.2125	8.81	8.77	8.74	8.70	8.67
14.2750	8.64	8.61	8.58	8.55	8.52
14.3375	8.49	8.46	8.43	8.40	8.37
14.4000	8.35	8.32	8.29	8.27	8.24
14.4625	8.21	8.19	8.16	8.13	8.11
14.5250	8.08	8.05	8.03	8.00	7.98
14.5875	7.95	7.93	7.90	7.87	7.85
14.6500	7.82	7.80	7.77	7.75	7.72
14.7125	7.69	7.67	7.64	7.62	7.59
14.7750	7.57	7.54	7.52	7.49	7.46
14.8375	7.44	7.41	7.39	7.36	7.34
14.9000	7.31	7.29	7.26	7.23	7.21
14.9625	7.18	7.16	7.13	7.11	7.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0250	7.05	7.03	7.00	6.98	6.95
15.0875	6.93	6.90	6.88	6.85	6.82
15.1500	6.80	6.77	6.75	6.72	6.70
15.2125	6.67	6.65	6.62	6.60	6.57
15.2750	6.54	6.52	6.49	6.47	6.44
15.3375	6.42	6.39	6.36	6.34	6.31
15.4000	6.29	6.26	6.24	6.21	6.19
15.4625	6.16	6.14	6.11	6.08	6.06
15.5250	6.03	6.01	5.98	5.96	5.93
15.5875	5.91	5.88	5.85	5.83	5.80
15.6500	5.78	5.75	5.73	5.70	5.68
15.7125	5.65	5.62	5.60	5.57	5.55
15.7750	5.52	5.50	5.47	5.44	5.42
15.8375	5.39	5.37	5.34	5.32	5.29
15.9000	5.27	5.24	5.21	5.19	5.16
15.9625	5.14	5.11	5.09	5.06	5.03
16.0250	5.01	4.98	4.96	4.94	4.91
16.0875	4.89	4.87	4.84	4.82	4.80
16.1500	4.78	4.76	4.74	4.72	4.70
16.2125	4.69	4.67	4.65	4.64	4.62
16.2750	4.61	4.59	4.58	4.56	4.55
16.3375	4.54	4.52	4.51	4.50	4.49
16.4000	4.47	4.46	4.45	4.44	4.43
16.4625	4.41	4.40	4.39	4.38	4.37
16.5250	4.36	4.34	4.33	4.32	4.31
16.5875	4.30	4.29	4.28	4.27	4.25
16.6500	4.24	4.23	4.22	4.21	4.20
16.7125	4.19	4.18	4.16	4.15	4.14
16.7750	4.13	4.12	4.11	4.10	4.09
16.8375	4.08	4.06	4.05	4.04	4.03
16.9000	4.02	4.01	4.00	3.99	3.98
16.9625	3.96	3.95	3.94	3.93	3.92
17.0250	3.91	3.90	3.89	3.87	3.86
17.0875	3.85	3.84	3.83	3.82	3.81
17.1500	3.80	3.79	3.78	3.76	3.75
17.2125	3.74	3.73	3.72	3.71	3.70
17.2750	3.69	3.67	3.66	3.65	3.64
17.3375	3.63	3.62	3.61	3.60	3.59
17.4000	3.58	3.56	3.55	3.54	3.53
17.4625	3.52	3.51	3.50	3.49	3.47
17.5250	3.46	3.45	3.44	3.43	3.42
17.5875	3.41	3.40	3.39	3.37	3.36
17.6500	3.35	3.34	3.33	3.32	3.31
17.7125	3.30	3.28	3.27	3.26	3.25
17.7750	3.24	3.23	3.22	3.21	3.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8375	3.18	3.17	3.16	3.15	3.14
17.9000	3.13	3.12	3.11	3.10	3.08
17.9625	3.07	3.06	3.05	3.04	3.03
18.0250	3.02	3.01	3.00	2.98	2.97
18.0875	2.96	2.95	2.94	2.93	2.92
18.1500	2.92	2.91	2.90	2.89	2.89
18.2125	2.88	2.87	2.87	2.86	2.86
18.2750	2.85	2.85	2.84	2.84	2.83
18.3375	2.83	2.82	2.82	2.82	2.81
18.4000	2.81	2.80	2.80	2.80	2.79
18.4625	2.79	2.79	2.78	2.78	2.78
18.5250	2.77	2.77	2.76	2.76	2.76
18.5875	2.75	2.75	2.75	2.74	2.74
18.6500	2.74	2.73	2.73	2.73	2.72
18.7125	2.72	2.72	2.71	2.71	2.71
18.7750	2.70	2.70	2.70	2.69	2.69
18.8375	2.69	2.68	2.68	2.68	2.67
18.9000	2.67	2.67	2.66	2.66	2.66
18.9625	2.65	2.65	2.65	2.64	2.64
19.0250	2.64	2.63	2.63	2.63	2.62
19.0875	2.62	2.62	2.61	2.61	2.61
19.1500	2.60	2.60	2.60	2.59	2.59
19.2125	2.59	2.58	2.58	2.58	2.57
19.2750	2.57	2.57	2.56	2.56	2.56
19.3375	2.55	2.55	2.55	2.54	2.54
19.4000	2.54	2.53	2.53	2.53	2.52
19.4625	2.52	2.52	2.51	2.51	2.51
19.5250	2.50	2.50	2.50	2.49	2.49
19.5875	2.49	2.48	2.48	2.48	2.47
19.6500	2.47	2.47	2.46	2.46	2.46
19.7125	2.45	2.45	2.45	2.44	2.44
19.7750	2.44	2.43	2.43	2.43	2.42
19.8375	2.42	2.42	2.41	2.41	2.41
19.9000	2.40	2.40	2.40	2.39	2.39
19.9625	2.39	2.38	2.38	2.38	2.37
20.0250	2.37	2.37	2.36	2.36	2.36
20.0875	2.35	2.35	2.35	2.34	2.34
20.1500	2.34	2.33	2.33	2.33	2.33
20.2125	2.32	2.32	2.32	2.32	2.31
20.2750	2.31	2.31	2.31	2.30	2.30
20.3375	2.30	2.30	2.29	2.29	2.29
20.4000	2.28	2.28	2.28	2.28	2.27
20.4625	2.27	2.27	2.27	2.26	2.26
20.5250	2.26	2.26	2.25	2.25	2.25
20.5875	2.25	2.24	2.24	2.24	2.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.6500	2.23	2.23	2.23	2.23	2.22
20.7125	2.22	2.22	2.21	2.21	2.21
20.7750	2.20	2.20	2.20	2.20	2.20
20.8375	2.19	2.19	2.19	2.19	2.18
20.9000	2.18	2.18	2.18	2.17	2.17
20.9625	2.17	2.17	2.16	2.16	2.16
21.0250	2.16	2.16	2.15	2.15	2.15
21.0875	2.15	2.14	2.14	2.14	2.14
21.1500	2.13	2.13	2.13	2.13	2.12
21.2125	2.12	2.12	2.12	2.11	2.11
21.2750	2.11	2.10	2.10	2.10	2.10
21.3375	2.09	2.09	2.09	2.09	2.09
21.4000	2.08	2.08	2.08	2.08	2.07
21.4625	2.07	2.07	2.06	2.06	2.06
21.5250	2.06	2.05	2.05	2.05	2.04
21.5875	2.04	2.04	2.04	2.03	2.03
21.6500	2.03	2.03	2.03	2.02	2.02
21.7125	2.02	2.02	2.01	2.01	2.01
21.7750	2.01	2.00	2.00	2.00	2.00
21.8375	2.00	1.99	1.99	1.99	1.99
21.9000	1.98	1.98	1.98	1.98	1.97
21.9625	1.97	1.97	1.97	1.96	1.96
22.0250	1.96	1.95	1.95	1.95	1.95
22.0875	1.94	1.94	1.94	1.94	1.93
22.1500	1.93	1.93	1.93	1.92	1.92
22.2125	1.92	1.92	1.91	1.91	1.91
22.2750	1.91	1.90	1.90	1.90	1.90
22.3375	1.89	1.89	1.89	1.88	1.88
22.4000	1.88	1.88	1.87	1.87	1.87
22.4625	1.87	1.87	1.86	1.86	1.86
22.5250	1.86	1.85	1.85	1.85	1.85
22.5875	1.84	1.84	1.84	1.84	1.83
22.6500	1.83	1.83	1.83	1.83	1.82
22.7125	1.82	1.82	1.82	1.81	1.81
22.7750	1.81	1.81	1.80	1.80	1.80
22.8375	1.79	1.79	1.79	1.79	1.78
22.9000	1.78	1.78	1.78	1.77	1.77
22.9625	1.77	1.77	1.76	1.76	1.76
23.0250	1.76	1.75	1.75	1.75	1.75
23.0875	1.74	1.74	1.74	1.73	1.73
23.1500	1.73	1.73	1.72	1.72	1.72
23.2125	1.72	1.71	1.71	1.71	1.71
23.2750	1.70	1.70	1.70	1.70	1.69
23.3375	1.69	1.69	1.69	1.69	1.68
23.4000	1.68	1.68	1.68	1.67	1.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4625	1.67	1.67	1.67	1.66	1.66
23.5250	1.66	1.66	1.65	1.65	1.65
23.5875	1.64	1.64	1.64	1.64	1.63
23.6500	1.63	1.63	1.63	1.62	1.62
23.7125	1.62	1.62	1.61	1.61	1.61
23.7750	1.61	1.60	1.60	1.60	1.60
23.8375	1.59	1.59	1.59	1.59	1.58
23.9000	1.58	1.58	1.57	1.57	1.57
23.9625	1.57	1.56	1.56	1.55	1.54
24.0250	1.54	1.51	1.49	1.46	1.41
24.0875	1.37	1.31	1.23	1.16	1.08
24.1500	1.00	.92	.84	.76	.68
24.2125	.61	.55	.48	.43	.38
24.2750	.34	.30	.26	.24	.21
24.3375	.19	.17	.15	.13	.12
24.4000	.10	.09	.08	.07	.06
24.4625	.06	.05	.04	.04	.03
24.5250	.03	.03	.02	.02	.02
24.5875	.02	.01	.01	.01	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00	.00			

Name... D.A. CC-4 Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. CC-4 100
Tc = .2600 hrs
Drainage Area = 25.500 acres Runoff CN= 94

=====
Computational Time Increment = .03467 hrs
Computed Peak Time = 12.1680 hrs
Computed Peak Flow = 133.06 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 132.74 cfs
=====

DRAINAGE AREA

ID:D.A. CC-4
CN = 94
Area = 25.500 acres
S = .6383 in
0.2S = .1277 in

Cumulative Runoff

6.7849 in
628045 cu.ft

HYG Volume... 628046 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .26000 hrs (ID: D.A. CC-4)
Computational Incr, Tm = .03467 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 111.13 cfs
Unit peak time Tp = .17333 hrs
Unit receding limb, Tr = .69333 hrs
Total unit time, Tb = .86667 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. CC-4 100

Tc = .2600 hrs

Drainage Area = 25.500 acres Runoff CN= 94

Calc.Increment= .03467 hrs Out.Incr.= .0125 hrs

HYG Volume = 628046 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
1.7750	.00	.00	.00	.00	.00
1.8375	.01	.01	.01	.01	.01
1.9000	.02	.02	.02	.03	.03
1.9625	.04	.04	.04	.05	.05
2.0250	.06	.06	.07	.07	.08
2.0875	.08	.09	.09	.10	.10
2.1500	.11	.11	.12	.12	.13
2.2125	.13	.14	.14	.15	.15
2.2750	.16	.16	.17	.17	.18
2.3375	.19	.19	.20	.20	.21
2.4000	.21	.22	.22	.23	.23
2.4625	.24	.25	.25	.26	.26
2.5250	.27	.27	.28	.28	.29
2.5875	.29	.30	.31	.31	.32
2.6500	.32	.33	.33	.34	.34
2.7125	.35	.36	.36	.37	.37
2.7750	.38	.38	.39	.39	.40
2.8375	.41	.41	.42	.42	.43
2.9000	.43	.44	.45	.45	.46
2.9625	.46	.47	.47	.48	.49
3.0250	.49	.50	.50	.51	.51
3.0875	.52	.52	.53	.54	.54
3.1500	.55	.55	.56	.56	.57
3.2125	.58	.58	.59	.59	.60
3.2750	.60	.61	.62	.62	.63
3.3375	.63	.64	.65	.65	.66
3.4000	.66	.67	.67	.68	.69
3.4625	.69	.70	.70	.71	.71
3.5250	.72	.73	.73	.74	.74
3.5875	.75	.75	.76	.77	.77

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.6500	.78	.78	.79	.79	.80
3.7125	.81	.81	.82	.82	.83
3.7750	.84	.84	.85	.85	.86
3.8375	.86	.87	.88	.88	.89
3.9000	.89	.90	.90	.91	.92
3.9625	.92	.93	.93	.94	.95
4.0250	.95	.96	.96	.97	.97
4.0875	.98	.99	.99	1.00	1.00
4.1500	1.01	1.02	1.02	1.03	1.03
4.2125	1.04	1.04	1.05	1.06	1.06
4.2750	1.07	1.07	1.08	1.08	1.09
4.3375	1.10	1.10	1.11	1.11	1.12
4.4000	1.13	1.13	1.14	1.14	1.15
4.4625	1.15	1.16	1.17	1.17	1.18
4.5250	1.18	1.19	1.19	1.20	1.21
4.5875	1.21	1.22	1.22	1.23	1.24
4.6500	1.24	1.25	1.25	1.26	1.26
4.7125	1.27	1.28	1.28	1.29	1.29
4.7750	1.30	1.30	1.31	1.32	1.32
4.8375	1.33	1.33	1.34	1.34	1.35
4.9000	1.36	1.36	1.37	1.37	1.38
4.9625	1.38	1.39	1.40	1.40	1.41
5.0250	1.41	1.42	1.42	1.43	1.44
5.0875	1.44	1.45	1.45	1.46	1.47
5.1500	1.47	1.48	1.48	1.49	1.49
5.2125	1.50	1.51	1.51	1.52	1.52
5.2750	1.53	1.53	1.54	1.54	1.55
5.3375	1.56	1.56	1.57	1.57	1.58
5.4000	1.58	1.59	1.60	1.60	1.61
5.4625	1.61	1.62	1.62	1.63	1.64
5.5250	1.64	1.65	1.65	1.66	1.66
5.5875	1.67	1.68	1.68	1.69	1.69
5.6500	1.70	1.70	1.71	1.71	1.72
5.7125	1.73	1.73	1.74	1.74	1.75
5.7750	1.75	1.76	1.77	1.77	1.78
5.8375	1.78	1.79	1.79	1.80	1.80
5.9000	1.81	1.82	1.82	1.83	1.83
5.9625	1.84	1.84	1.85	1.86	1.86
6.0250	1.87	1.87	1.88	1.88	1.89
6.0875	1.90	1.90	1.91	1.92	1.92
6.1500	1.93	1.94	1.95	1.96	1.96
6.2125	1.97	1.98	1.99	2.00	2.01
6.2750	2.02	2.03	2.04	2.05	2.06
6.3375	2.07	2.08	2.09	2.10	2.11
6.4000	2.12	2.13	2.14	2.15	2.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.4625	2.18	2.19	2.20	2.21	2.22
6.5250	2.23	2.24	2.26	2.27	2.28
6.5875	2.29	2.30	2.31	2.32	2.34
6.6500	2.35	2.36	2.37	2.38	2.39
6.7125	2.41	2.42	2.43	2.44	2.45
6.7750	2.47	2.48	2.49	2.50	2.51
6.8375	2.52	2.54	2.55	2.56	2.57
6.9000	2.58	2.60	2.61	2.62	2.63
6.9625	2.64	2.66	2.67	2.68	2.69
7.0250	2.71	2.72	2.73	2.74	2.75
7.0875	2.77	2.78	2.79	2.80	2.82
7.1500	2.83	2.84	2.85	2.87	2.88
7.2125	2.89	2.90	2.92	2.93	2.94
7.2750	2.95	2.96	2.98	2.99	3.00
7.3375	3.02	3.03	3.04	3.05	3.07
7.4000	3.08	3.09	3.10	3.12	3.13
7.4625	3.14	3.15	3.17	3.18	3.19
7.5250	3.21	3.22	3.23	3.24	3.26
7.5875	3.27	3.28	3.30	3.31	3.32
7.6500	3.33	3.35	3.36	3.37	3.39
7.7125	3.40	3.41	3.42	3.44	3.45
7.7750	3.46	3.48	3.49	3.50	3.52
7.8375	3.53	3.54	3.55	3.57	3.58
7.9000	3.59	3.61	3.62	3.63	3.65
7.9625	3.66	3.67	3.69	3.70	3.71
8.0250	3.73	3.74	3.75	3.77	3.78
8.0875	3.80	3.81	3.83	3.85	3.86
8.1500	3.88	3.90	3.92	3.93	3.96
8.2125	3.98	4.00	4.02	4.04	4.06
8.2750	4.08	4.11	4.13	4.16	4.18
8.3375	4.20	4.23	4.25	4.28	4.30
8.4000	4.33	4.35	4.38	4.41	4.43
8.4625	4.46	4.48	4.51	4.53	4.56
8.5250	4.59	4.61	4.64	4.67	4.69
8.5875	4.72	4.75	4.77	4.80	4.83
8.6500	4.85	4.88	4.91	4.93	4.96
8.7125	4.99	5.02	5.04	5.07	5.10
8.7750	5.13	5.15	5.18	5.21	5.24
8.8375	5.26	5.29	5.32	5.35	5.37
8.9000	5.40	5.43	5.46	5.48	5.51
8.9625	5.54	5.57	5.60	5.62	5.65
9.0250	5.68	5.71	5.74	5.76	5.79
9.0875	5.82	5.85	5.88	5.90	5.93
9.1500	5.96	5.99	6.02	6.04	6.07
9.2125	6.10	6.13	6.16	6.19	6.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.2750	6.24	6.27	6.30	6.33	6.36
9.3375	6.39	6.41	6.44	6.47	6.50
9.4000	6.53	6.56	6.59	6.61	6.64
9.4625	6.67	6.70	6.73	6.76	6.79
9.5250	6.82	6.85	6.87	6.90	6.93
9.5875	6.96	6.99	7.02	7.05	7.08
9.6500	7.11	7.14	7.16	7.19	7.22
9.7125	7.25	7.28	7.31	7.34	7.37
9.7750	7.40	7.43	7.46	7.49	7.52
9.8375	7.55	7.57	7.60	7.63	7.66
9.9000	7.69	7.72	7.75	7.78	7.81
9.9625	7.84	7.87	7.90	7.93	7.96
10.0250	7.99	8.02	8.05	8.08	8.11
10.0875	8.14	8.18	8.21	8.25	8.29
10.1500	8.33	8.36	8.41	8.45	8.49
10.2125	8.54	8.58	8.63	8.68	8.73
10.2750	8.78	8.83	8.88	8.93	8.98
10.3375	9.04	9.09	9.15	9.20	9.25
10.4000	9.31	9.37	9.42	9.48	9.53
10.4625	9.59	9.65	9.70	9.76	9.82
10.5250	9.87	9.93	9.99	10.05	10.10
10.5875	10.16	10.22	10.28	10.34	10.39
10.6500	10.45	10.51	10.57	10.63	10.68
10.7125	10.74	10.80	10.86	10.92	10.98
10.7750	11.03	11.09	11.15	11.21	11.27
10.8375	11.33	11.39	11.44	11.50	11.56
10.9000	11.62	11.68	11.74	11.80	11.86
10.9625	11.92	11.97	12.03	12.09	12.16
11.0250	12.22	12.28	12.35	12.42	12.50
11.0875	12.58	12.66	12.75	12.85	12.95
11.1500	13.06	13.17	13.30	13.43	13.56
11.2125	13.72	13.87	14.03	14.19	14.36
11.2750	14.53	14.71	14.89	15.08	15.27
11.3375	15.47	15.66	15.86	16.06	16.26
11.4000	16.46	16.67	16.88	17.09	17.30
11.4625	17.51	17.72	17.94	18.16	18.40
11.5250	18.68	18.95	19.28	19.65	20.02
11.5875	20.50	21.03	21.57	22.28	23.01
11.6500	23.78	24.73	25.68	26.73	27.93
11.7125	29.14	30.48	31.90	33.32	34.87
11.7750	36.44	38.02	39.76	41.49	43.26
11.8375	45.09	46.92	48.78	50.66	52.54
11.9000	54.67	56.87	59.08	61.89	64.72
11.9625	67.75	71.64	75.52	79.80	84.63
12.0250	89.47	94.45	99.53	104.60	109.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.0875	114.05	118.64	122.22	125.80	128.78
12.1500	130.53	132.28	132.74	132.16	131.58
12.2125	129.55	127.11	124.66	121.29	117.91
12.2750	114.45	110.70	106.95	103.23	99.54
12.3375	95.84	92.48	89.28	86.07	83.18
12.4000	80.32	77.48	74.82	72.15	69.55
12.4625	67.07	64.59	62.17	59.81	57.44
12.5250	55.18	52.94	50.70	48.66	46.62
12.5875	44.63	42.78	40.93	39.20	37.58
12.6500	35.96	34.54	33.21	31.87	30.76
12.7125	29.67	28.62	27.74	26.87	26.06
12.7750	25.37	24.67	24.06	23.51	22.95
12.8375	22.47	22.00	21.54	21.15	20.75
12.9000	20.37	20.03	19.68	19.36	19.06
12.9625	18.76	18.48	18.20	17.92	17.66
13.0250	17.40	17.14	16.91	16.67	16.45
13.0875	16.23	16.01	15.81	15.61	15.42
13.1500	15.25	15.08	14.91	14.77	14.63
13.2125	14.49	14.37	14.25	14.13	14.03
13.2750	13.93	13.84	13.75	13.66	13.58
13.3375	13.50	13.42	13.35	13.27	13.20
13.4000	13.14	13.07	13.00	12.93	12.87
13.4625	12.81	12.74	12.68	12.62	12.56
13.5250	12.50	12.44	12.38	12.32	12.26
13.5875	12.20	12.14	12.08	12.02	11.97
13.6500	11.91	11.85	11.79	11.74	11.68
13.7125	11.62	11.56	11.51	11.45	11.39
13.7750	11.33	11.28	11.22	11.16	11.11
13.8375	11.05	10.99	10.94	10.88	10.82
13.9000	10.76	10.71	10.65	10.59	10.53
13.9625	10.48	10.42	10.36	10.31	10.25
14.0250	10.19	10.14	10.08	10.03	9.97
14.0875	9.92	9.87	9.81	9.76	9.71
14.1500	9.67	9.62	9.58	9.53	9.49
14.2125	9.45	9.41	9.38	9.34	9.30
14.2750	9.27	9.23	9.20	9.17	9.14
14.3375	9.11	9.07	9.04	9.01	8.98
14.4000	8.95	8.92	8.90	8.87	8.84
14.4625	8.81	8.78	8.75	8.72	8.70
14.5250	8.67	8.64	8.61	8.58	8.56
14.5875	8.53	8.50	8.47	8.45	8.42
14.6500	8.39	8.36	8.34	8.31	8.28
14.7125	8.25	8.23	8.20	8.17	8.14
14.7750	8.12	8.09	8.06	8.03	8.01
14.8375	7.98	7.95	7.93	7.90	7.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9000	7.84	7.82	7.79	7.76	7.73
14.9625	7.70	7.68	7.65	7.62	7.60
15.0250	7.57	7.54	7.51	7.49	7.46
15.0875	7.43	7.40	7.38	7.35	7.32
15.1500	7.29	7.27	7.24	7.21	7.18
15.2125	7.16	7.13	7.10	7.07	7.05
15.2750	7.02	6.99	6.97	6.94	6.91
15.3375	6.88	6.85	6.83	6.80	6.77
15.4000	6.75	6.72	6.69	6.66	6.64
15.4625	6.61	6.58	6.55	6.53	6.50
15.5250	6.47	6.44	6.42	6.39	6.36
15.5875	6.33	6.31	6.28	6.25	6.22
15.6500	6.20	6.17	6.14	6.12	6.09
15.7125	6.06	6.03	6.00	5.98	5.95
15.7750	5.92	5.89	5.87	5.84	5.81
15.8375	5.78	5.76	5.73	5.70	5.68
15.9000	5.65	5.62	5.59	5.56	5.54
15.9625	5.51	5.48	5.45	5.43	5.40
16.0250	5.37	5.35	5.32	5.29	5.27
16.0875	5.24	5.22	5.20	5.17	5.15
16.1500	5.13	5.11	5.09	5.07	5.05
16.2125	5.03	5.01	4.99	4.97	4.96
16.2750	4.94	4.92	4.91	4.89	4.88
16.3375	4.87	4.85	4.84	4.83	4.81
16.4000	4.80	4.79	4.77	4.76	4.75
16.4625	4.73	4.72	4.71	4.70	4.68
16.5250	4.67	4.66	4.65	4.64	4.62
16.5875	4.61	4.60	4.59	4.58	4.56
16.6500	4.55	4.54	4.53	4.51	4.50
16.7125	4.49	4.48	4.47	4.46	4.44
16.7750	4.43	4.42	4.41	4.40	4.38
16.8375	4.37	4.36	4.35	4.34	4.32
16.9000	4.31	4.30	4.29	4.28	4.26
16.9625	4.25	4.24	4.23	4.22	4.20
17.0250	4.19	4.18	4.17	4.16	4.14
17.0875	4.13	4.12	4.11	4.10	4.09
17.1500	4.07	4.06	4.05	4.04	4.03
17.2125	4.01	4.00	3.99	3.98	3.97
17.2750	3.95	3.94	3.93	3.92	3.91
17.3375	3.89	3.88	3.87	3.86	3.85
17.4000	3.84	3.82	3.81	3.80	3.79
17.4625	3.77	3.76	3.75	3.74	3.73
17.5250	3.71	3.70	3.69	3.68	3.67
17.5875	3.66	3.64	3.63	3.62	3.61
17.6500	3.59	3.58	3.57	3.56	3.55

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7125	3.53	3.52	3.51	3.50	3.49
17.7750	3.48	3.46	3.45	3.44	3.43
17.8375	3.42	3.40	3.39	3.38	3.37
17.9000	3.36	3.34	3.33	3.32	3.31
17.9625	3.30	3.28	3.27	3.26	3.25
18.0250	3.24	3.22	3.21	3.20	3.19
18.0875	3.18	3.17	3.16	3.15	3.14
18.1500	3.13	3.12	3.11	3.10	3.10
18.2125	3.09	3.08	3.08	3.07	3.06
18.2750	3.06	3.05	3.05	3.04	3.04
18.3375	3.03	3.03	3.02	3.02	3.02
18.4000	3.01	3.01	3.00	3.00	3.00
18.4625	2.99	2.99	2.98	2.98	2.98
18.5250	2.97	2.97	2.97	2.96	2.96
18.5875	2.95	2.95	2.95	2.94	2.94
18.6500	2.94	2.93	2.93	2.93	2.92
18.7125	2.92	2.91	2.91	2.91	2.90
18.7750	2.90	2.90	2.89	2.89	2.89
18.8375	2.88	2.88	2.88	2.87	2.87
18.9000	2.86	2.86	2.86	2.85	2.85
18.9625	2.85	2.84	2.84	2.84	2.83
19.0250	2.83	2.82	2.82	2.82	2.81
19.0875	2.81	2.81	2.80	2.80	2.80
19.1500	2.79	2.79	2.79	2.78	2.78
19.2125	2.77	2.77	2.77	2.76	2.76
19.2750	2.76	2.75	2.75	2.75	2.74
19.3375	2.74	2.74	2.73	2.73	2.72
19.4000	2.72	2.72	2.71	2.71	2.71
19.4625	2.70	2.70	2.70	2.69	2.69
19.5250	2.69	2.68	2.68	2.67	2.67
19.5875	2.67	2.66	2.66	2.66	2.65
19.6500	2.65	2.65	2.64	2.64	2.64
19.7125	2.63	2.63	2.62	2.62	2.62
19.7750	2.61	2.61	2.61	2.60	2.60
19.8375	2.60	2.59	2.59	2.59	2.58
19.9000	2.58	2.57	2.57	2.57	2.56
19.9625	2.56	2.56	2.55	2.55	2.55
20.0250	2.54	2.54	2.53	2.53	2.53
20.0875	2.52	2.52	2.52	2.51	2.51
20.1500	2.51	2.50	2.50	2.50	2.49
20.2125	2.49	2.49	2.49	2.48	2.48
20.2750	2.48	2.48	2.47	2.47	2.47
20.3375	2.47	2.46	2.46	2.46	2.45
20.4000	2.45	2.45	2.44	2.44	2.44
20.4625	2.43	2.43	2.43	2.43	2.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5250	2.42	2.42	2.42	2.41	2.41
20.5875	2.41	2.41	2.40	2.40	2.40
20.6500	2.40	2.39	2.39	2.39	2.38
20.7125	2.38	2.38	2.37	2.37	2.37
20.7750	2.36	2.36	2.36	2.36	2.35
20.8375	2.35	2.35	2.35	2.34	2.34
20.9000	2.34	2.34	2.33	2.33	2.33
20.9625	2.33	2.32	2.32	2.32	2.32
21.0250	2.31	2.31	2.31	2.31	2.31
21.0875	2.30	2.30	2.30	2.29	2.29
21.1500	2.29	2.29	2.28	2.28	2.28
21.2125	2.27	2.27	2.27	2.27	2.26
21.2750	2.26	2.26	2.25	2.25	2.25
21.3375	2.25	2.24	2.24	2.24	2.24
21.4000	2.23	2.23	2.23	2.23	2.22
21.4625	2.22	2.22	2.21	2.21	2.21
21.5250	2.20	2.20	2.20	2.20	2.19
21.5875	2.19	2.19	2.18	2.18	2.18
21.6500	2.18	2.18	2.17	2.17	2.17
21.7125	2.16	2.16	2.16	2.16	2.15
21.7750	2.15	2.15	2.15	2.14	2.14
21.8375	2.14	2.14	2.14	2.13	2.13
21.9000	2.13	2.13	2.12	2.12	2.12
21.9625	2.11	2.11	2.11	2.11	2.10
22.0250	2.10	2.10	2.09	2.09	2.09
22.0875	2.08	2.08	2.08	2.08	2.07
22.1500	2.07	2.07	2.07	2.06	2.06
22.2125	2.06	2.06	2.05	2.05	2.05
22.2750	2.04	2.04	2.04	2.04	2.03
22.3375	2.03	2.03	2.02	2.02	2.02
22.4000	2.01	2.01	2.01	2.01	2.01
22.4625	2.00	2.00	2.00	2.00	1.99
22.5250	1.99	1.99	1.98	1.98	1.98
22.5875	1.98	1.97	1.97	1.97	1.97
22.6500	1.97	1.96	1.96	1.96	1.96
22.7125	1.95	1.95	1.95	1.94	1.94
22.7750	1.94	1.94	1.93	1.93	1.93
22.8375	1.92	1.92	1.92	1.92	1.91
22.9000	1.91	1.91	1.90	1.90	1.90
22.9625	1.90	1.89	1.89	1.89	1.89
23.0250	1.88	1.88	1.88	1.88	1.87
23.0875	1.87	1.87	1.86	1.86	1.86
23.1500	1.85	1.85	1.85	1.85	1.84
23.2125	1.84	1.84	1.84	1.83	1.83
23.2750	1.83	1.83	1.82	1.82	1.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.3375	1.81	1.81	1.81	1.81	1.80
23.4000	1.80	1.80	1.80	1.80	1.79
23.4625	1.79	1.79	1.79	1.78	1.78
23.5250	1.78	1.78	1.77	1.77	1.77
23.5875	1.76	1.76	1.76	1.75	1.75
23.6500	1.75	1.75	1.74	1.74	1.74
23.7125	1.73	1.73	1.73	1.73	1.72
23.7750	1.72	1.72	1.72	1.71	1.71
23.8375	1.71	1.71	1.70	1.70	1.70
23.9000	1.69	1.69	1.69	1.68	1.68
23.9625	1.68	1.68	1.67	1.66	1.66
24.0250	1.65	1.62	1.60	1.57	1.52
24.0875	1.47	1.40	1.32	1.25	1.16
24.1500	1.07	.99	.90	.82	.73
24.2125	.66	.59	.52	.46	.41
24.2750	.36	.32	.28	.25	.23
24.3375	.20	.18	.16	.14	.12
24.4000	.11	.10	.09	.08	.07
24.4625	.06	.05	.05	.04	.04
24.5250	.03	.03	.03	.02	.02
24.5875	.02	.02	.01	.01	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00	.00			

.....
TIME OF CONCENTRATION CALCULATOR
.....

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 100.00 ft
2yr, 24hr P 3.5000 in
Slope .090000 ft/ft

Avg.Velocity .15 ft/sec

Segment #1 Time: .1875 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 775.00 ft
Slope .200000 ft/ft
Unpaved

Avg.Velocity 7.22 ft/sec

Segment #2 Time: .0298 hrs

=====
Total Tc: .2173 hrs
=====

Tc Equations used...

==== SCS TR-55 Sheet Flow =====

$$Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))$$

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow =====

Unpaved surface:

$$V = 16.1345 * (Sf**0.5)$$

Paved surface:

$$V = 20.3282 * (Sf**0.5)$$

$$Tc = (Lf / V) / (3600sec/hr)$$

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

Type.... Runoff CN-Area
Name.... D.A. DD

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

RUNOFF CURVE NUMBER DATA

.....

Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
-----	-----	-----	-----	-----	-----
	73	7.600			73.00

COMPOSITE AREA & WEIGHTED CN ---> 7.600 73.00 (73)
.....

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
Duration = 24.0000 hrs Rain Depth = 3.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. DD 2
Tc = .2173 hrs
Drainage Area = 7.600 acres Runoff CN= 73

=====
Computational Time Increment = .02898 hrs
Computed Peak Time = 12.1711 hrs
Computed Peak Flow = 7.62 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 7.61 cfs
=====

DRAINAGE AREA

ID:D.A. DD
CN = 73
Area = 7.600 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

1.1796 in
32544 cu.ft

HYG Volume... 32543 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .21734 hrs (ID: D.A. DD)
Computational Incr, Tm = .02898 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 39.62 cfs
Unit peak time Tp = .14489 hrs
Unit receding limb, Tr = .57958 hrs
Total unit time, Tb = .72447 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 2 year storm
 Duration = 24.0000 hrs Rain Depth = 3.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 2
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73
 Calc.Increment= .02898 hrs Out.Incr.= .0125 hrs
 HYG Volume = 32543 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
10.5000	.00	.00	.00	.00	.00
10.5625	.00	.01	.01	.01	.01
10.6250	.01	.01	.02	.02	.02
10.6875	.02	.02	.03	.03	.03
10.7500	.03	.04	.04	.04	.04
10.8125	.05	.05	.05	.05	.06
10.8750	.06	.06	.07	.07	.07
10.9375	.07	.08	.08	.08	.09
11.0000	.09	.09	.10	.10	.10
11.0625	.11	.11	.11	.12	.12
11.1250	.13	.13	.13	.14	.14
11.1875	.15	.15	.16	.16	.17
11.2500	.18	.18	.19	.19	.20
11.3125	.21	.21	.22	.23	.24
11.3750	.24	.25	.26	.27	.28
11.4375	.28	.29	.30	.31	.32
11.5000	.33	.34	.35	.36	.37
11.5625	.39	.41	.42	.45	.47
11.6250	.49	.52	.55	.59	.63
11.6875	.67	.72	.77	.82	.88
11.7500	.94	1.00	1.07	1.15	1.22
11.8125	1.30	1.39	1.48	1.56	1.66
11.8750	1.76	1.87	1.99	2.11	2.26
11.9375	2.41	2.61	2.82	3.07	3.36
12.0000	3.66	4.01	4.36	4.72	5.09
12.0625	5.45	5.82	6.17	6.49	6.81
12.1250	7.05	7.28	7.44	7.55	7.61
12.1875	7.59	7.56	7.43	7.30	7.13
12.2500	6.95	6.76	6.56	6.36	6.16
12.3125	5.97	5.80	5.63	5.47	5.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.3750	5.16	5.01	4.86	4.72	4.58
12.4375	4.44	4.30	4.16	4.02	3.88
12.5000	3.73	3.59	3.45	3.32	3.18
12.5625	3.06	2.93	2.81	2.69	2.58
12.6250	2.48	2.38	2.29	2.20	2.13
12.6875	2.06	1.99	1.94	1.88	1.84
12.7500	1.79	1.76	1.72	1.69	1.66
12.8125	1.63	1.60	1.58	1.55	1.53
12.8750	1.51	1.49	1.47	1.45	1.43
12.9375	1.41	1.40	1.38	1.36	1.34
13.0000	1.33	1.31	1.29	1.28	1.26
13.0625	1.25	1.23	1.22	1.20	1.19
13.1250	1.18	1.17	1.16	1.15	1.14
13.1875	1.13	1.12	1.11	1.11	1.10
13.2500	1.09	1.09	1.08	1.08	1.07
13.3125	1.07	1.06	1.06	1.05	1.05
13.3750	1.04	1.04	1.03	1.03	1.03
13.4375	1.02	1.02	1.01	1.01	1.01
13.5000	1.00	1.00	.99	.99	.99
13.5625	.98	.98	.97	.97	.97
13.6250	.96	.96	.95	.95	.95
13.6875	.94	.94	.93	.93	.93
13.7500	.92	.92	.91	.91	.91
13.8125	.90	.90	.89	.89	.89
13.8750	.88	.88	.87	.87	.86
13.9375	.86	.86	.85	.85	.84
14.0000	.84	.83	.83	.83	.82
14.0625	.82	.81	.81	.81	.80
14.1250	.80	.80	.79	.79	.79
14.1875	.78	.78	.78	.78	.77
14.2500	.77	.77	.77	.76	.76
14.3125	.76	.76	.76	.75	.75
14.3750	.75	.75	.74	.74	.74
14.4375	.74	.74	.73	.73	.73
14.5000	.73	.73	.72	.72	.72
14.5625	.72	.72	.71	.71	.71
14.6250	.71	.71	.70	.70	.70
14.6875	.70	.70	.69	.69	.69
14.7500	.69	.69	.68	.68	.68
14.8125	.68	.68	.67	.67	.67
14.8750	.67	.67	.66	.66	.66
14.9375	.66	.65	.65	.65	.65
15.0000	.65	.64	.64	.64	.64
15.0625	.64	.63	.63	.63	.63
15.1250	.63	.62	.62	.62	.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.1875	.61	.61	.61	.61	.61
15.2500	.60	.60	.60	.60	.59
15.3125	.59	.59	.59	.59	.58
15.3750	.58	.58	.58	.58	.57
15.4375	.57	.57	.57	.56	.56
15.5000	.56	.56	.56	.55	.55
15.5625	.55	.55	.54	.54	.54
15.6250	.54	.54	.53	.53	.53
15.6875	.53	.52	.52	.52	.52
15.7500	.51	.51	.51	.51	.51
15.8125	.50	.50	.50	.50	.49
15.8750	.49	.49	.49	.49	.48
15.9375	.48	.48	.48	.47	.47
16.0000	.47	.47	.46	.46	.46
16.0625	.46	.46	.45	.45	.45
16.1250	.45	.45	.45	.44	.44
16.1875	.44	.44	.44	.44	.43
16.2500	.43	.43	.43	.43	.43
16.3125	.43	.43	.43	.42	.42
16.3750	.42	.42	.42	.42	.42
16.4375	.42	.42	.42	.41	.41
16.5000	.41	.41	.41	.41	.41
16.5625	.41	.41	.41	.40	.40
16.6250	.40	.40	.40	.40	.40
16.6875	.40	.40	.40	.39	.39
16.7500	.39	.39	.39	.39	.39
16.8125	.39	.39	.39	.38	.38
16.8750	.38	.38	.38	.38	.38
16.9375	.38	.38	.38	.37	.37
17.0000	.37	.37	.37	.37	.37
17.0625	.37	.37	.37	.36	.36
17.1250	.36	.36	.36	.36	.36
17.1875	.36	.36	.36	.35	.35
17.2500	.35	.35	.35	.35	.35
17.3125	.35	.35	.35	.34	.34
17.3750	.34	.34	.34	.34	.34
17.4375	.34	.34	.34	.33	.33
17.5000	.33	.33	.33	.33	.33
17.5625	.33	.33	.33	.32	.32
17.6250	.32	.32	.32	.32	.32
17.6875	.32	.32	.31	.31	.31
17.7500	.31	.31	.31	.31	.31
17.8125	.31	.31	.30	.30	.30
17.8750	.30	.30	.30	.30	.30
17.9375	.30	.30	.29	.29	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0000	.29	.29	.29	.29	.29
18.0625	.29	.29	.28	.28	.28
18.1250	.28	.28	.28	.28	.28
18.1875	.28	.28	.28	.28	.28
18.2500	.28	.28	.28	.27	.27
18.3125	.27	.27	.27	.27	.27
18.3750	.27	.27	.27	.27	.27
18.4375	.27	.27	.27	.27	.27
18.5000	.27	.27	.27	.27	.27
18.5625	.27	.27	.27	.27	.27
18.6250	.27	.27	.27	.27	.27
18.6875	.26	.26	.26	.26	.26
18.7500	.26	.26	.26	.26	.26
18.8125	.26	.26	.26	.26	.26
18.8750	.26	.26	.26	.26	.26
18.9375	.26	.26	.26	.26	.26
19.0000	.26	.26	.26	.26	.26
19.0625	.26	.26	.26	.25	.25
19.1250	.25	.25	.25	.25	.25
19.1875	.25	.25	.25	.25	.25
19.2500	.25	.25	.25	.25	.25
19.3125	.25	.25	.25	.25	.25
19.3750	.25	.25	.25	.25	.25
19.4375	.25	.25	.25	.25	.25
19.5000	.25	.24	.24	.24	.24
19.5625	.24	.24	.24	.24	.24
19.6250	.24	.24	.24	.24	.24
19.6875	.24	.24	.24	.24	.24
19.7500	.24	.24	.24	.24	.24
19.8125	.24	.24	.24	.24	.24
19.8750	.24	.24	.24	.24	.23
19.9375	.23	.23	.23	.23	.23
20.0000	.23	.23	.23	.23	.23
20.0625	.23	.23	.23	.23	.23
20.1250	.23	.23	.23	.23	.23
20.1875	.23	.23	.23	.23	.23
20.2500	.23	.23	.23	.23	.23
20.3125	.23	.23	.23	.23	.23
20.3750	.23	.23	.22	.22	.22
20.4375	.22	.22	.22	.22	.22
20.5000	.22	.22	.22	.22	.22
20.5625	.22	.22	.22	.22	.22
20.6250	.22	.22	.22	.22	.22
20.6875	.22	.22	.22	.22	.22
20.7500	.22	.22	.22	.22	.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8125	.22	.22	.22	.22	.22
20.8750	.22	.22	.22	.22	.21
20.9375	.21	.21	.21	.21	.21
21.0000	.21	.21	.21	.21	.21
21.0625	.21	.21	.21	.21	.21
21.1250	.21	.21	.21	.21	.21
21.1875	.21	.21	.21	.21	.21
21.2500	.21	.21	.21	.21	.21
21.3125	.21	.21	.21	.21	.21
21.3750	.21	.21	.21	.21	.21
21.4375	.21	.21	.21	.20	.20
21.5000	.20	.20	.20	.20	.20
21.5625	.20	.20	.20	.20	.20
21.6250	.20	.20	.20	.20	.20
21.6875	.20	.20	.20	.20	.20
21.7500	.20	.20	.20	.20	.20
21.8125	.20	.20	.20	.20	.20
21.8750	.20	.20	.20	.20	.20
21.9375	.20	.20	.20	.20	.20
22.0000	.20	.19	.19	.19	.19
22.0625	.19	.19	.19	.19	.19
22.1250	.19	.19	.19	.19	.19
22.1875	.19	.19	.19	.19	.19
22.2500	.19	.19	.19	.19	.19
22.3125	.19	.19	.19	.19	.19
22.3750	.19	.19	.19	.19	.19
22.4375	.19	.19	.19	.19	.19
22.5000	.19	.19	.18	.18	.18
22.5625	.18	.18	.18	.18	.18
22.6250	.18	.18	.18	.18	.18
22.6875	.18	.18	.18	.18	.18
22.7500	.18	.18	.18	.18	.18
22.8125	.18	.18	.18	.18	.18
22.8750	.18	.18	.18	.18	.18
22.9375	.18	.18	.18	.18	.18
23.0000	.18	.18	.18	.18	.18
23.0625	.17	.17	.17	.17	.17
23.1250	.17	.17	.17	.17	.17
23.1875	.17	.17	.17	.17	.17
23.2500	.17	.17	.17	.17	.17
23.3125	.17	.17	.17	.17	.17
23.3750	.17	.17	.17	.17	.17
23.4375	.17	.17	.17	.17	.17
23.5000	.17	.17	.17	.17	.17
23.5625	.17	.16	.16	.16	.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6250	.16	.16	.16	.16	.16
23.6875	.16	.16	.16	.16	.16
23.7500	.16	.16	.16	.16	.16
23.8125	.16	.16	.16	.16	.16
23.8750	.16	.16	.16	.16	.16
23.9375	.16	.16	.16	.16	.16
24.0000	.16	.15	.15	.15	.15
24.0625	.14	.14	.13	.12	.11
24.1250	.10	.09	.08	.07	.06
24.1875	.06	.05	.04	.04	.03
24.2500	.03	.02	.02	.02	.02
24.3125	.01	.01	.01	.01	.01
24.3750	.01	.01	.00	.00	.00
24.4375	.00	.00	.00	.00	.00
24.5000	.00	.00	.00	.00	.00

Name... D.A. DD Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 10
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73

=====
 Computational Time Increment = .02898 hrs
 Computed Peak Time = 12.1711 hrs
 Computed Peak Flow = 18.04 cfs

 Time Increment for HYG File = .0125 hrs
 Peak Time, Interpolated Output = 12.1749 hrs
 Peak Flow, Interpolated Output = 17.99 cfs
 =====

DRAINAGE AREA

 ID:D.A. DD
 CN = 73
 Area = 7.600 acres
 S = 3.6986 in
 0.2S = .7397 in

Cumulative Runoff

 2.6789 in
 73904 cu.ft

HYG Volume... 73905 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .21734 hrs (ID: D.A. DD)
 Computational Incr, Tm = .02898 hrs = 0.20000 Tp

 Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
 K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
 Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

 Unit peak, qp = 39.62 cfs
 Unit peak time Tp = .14489 hrs
 Unit receding limb, Tr = .57958 hrs
 Total unit time, Tb = .72447 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 10 year storm
 Duration = 24.0000 hrs Rain Depth = 5.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 10
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73
 Calc.Increment= .02898 hrs Out.Incr.= .0125 hrs
 HYG Volume = 73905 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.01	.01	.01
8.9000	.01	.01	.01	.01	.02
8.9625	.02	.02	.02	.02	.03
9.0250	.03	.03	.03	.03	.04
9.0875	.04	.04	.04	.04	.05
9.1500	.05	.05	.05	.06	.06
9.2125	.06	.06	.06	.07	.07
9.2750	.07	.07	.08	.08	.08
9.3375	.08	.09	.09	.09	.09
9.4000	.10	.10	.10	.11	.11
9.4625	.11	.11	.12	.12	.12
9.5250	.12	.13	.13	.13	.14
9.5875	.14	.14	.15	.15	.15
9.6500	.15	.16	.16	.16	.17
9.7125	.17	.17	.18	.18	.18
9.7750	.19	.19	.19	.20	.20
9.8375	.20	.21	.21	.21	.22
9.9000	.22	.22	.23	.23	.23
9.9625	.24	.24	.24	.25	.25
10.0250	.25	.26	.26	.27	.27
10.0875	.27	.28	.28	.29	.29
10.1500	.29	.30	.30	.31	.31
10.2125	.32	.32	.33	.33	.34
10.2750	.34	.35	.35	.36	.36
10.3375	.37	.37	.38	.38	.39
10.4000	.40	.40	.41	.41	.42
10.4625	.42	.43	.44	.44	.45
10.5250	.45	.46	.47	.47	.48
10.5875	.49	.49	.50	.50	.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.6500	.52	.52	.53	.54	.54
10.7125	.55	.56	.57	.57	.58
10.7750	.59	.59	.60	.61	.62
10.8375	.62	.63	.64	.65	.65
10.9000	.66	.67	.68	.68	.69
10.9625	.70	.71	.71	.72	.73
11.0250	.74	.75	.76	.77	.78
11.0875	.79	.80	.81	.82	.83
11.1500	.85	.86	.87	.89	.90
11.2125	.92	.94	.96	.97	.99
11.2750	1.01	1.03	1.05	1.07	1.09
11.3375	1.11	1.13	1.15	1.17	1.20
11.4000	1.22	1.24	1.27	1.29	1.31
11.4625	1.34	1.36	1.39	1.41	1.44
11.5250	1.47	1.50	1.54	1.58	1.64
11.5875	1.69	1.76	1.83	1.91	2.00
11.6500	2.09	2.20	2.32	2.45	2.59
11.7125	2.74	2.89	3.05	3.23	3.41
11.7750	3.60	3.80	4.01	4.23	4.44
11.8375	4.67	4.90	5.14	5.39	5.66
11.9000	5.94	6.24	6.59	6.95	7.43
11.9625	7.93	8.52	9.20	9.91	10.70
12.0250	11.50	12.31	13.13	13.92	14.69
12.0875	15.43	16.08	16.73	17.16	17.59
12.1500	17.82	17.95	17.99	17.81	17.63
12.2125	17.24	16.85	16.39	15.89	15.38
12.2750	14.86	14.33	13.84	13.34	12.90
12.3375	12.48	12.08	11.70	11.32	10.96
12.4000	10.60	10.26	9.92	9.59	9.27
12.4625	8.95	8.62	8.30	7.97	7.65
12.5250	7.34	7.05	6.75	6.47	6.19
12.5875	5.93	5.67	5.43	5.20	4.99
12.6500	4.80	4.61	4.45	4.30	4.16
12.7125	4.04	3.92	3.82	3.72	3.64
12.7750	3.57	3.50	3.43	3.37	3.31
12.8375	3.26	3.21	3.16	3.11	3.07
12.9000	3.02	2.98	2.94	2.90	2.87
12.9625	2.83	2.79	2.75	2.72	2.68
13.0250	2.65	2.61	2.58	2.55	2.52
13.0875	2.49	2.46	2.43	2.41	2.38
13.1500	2.36	2.34	2.32	2.30	2.28
13.2125	2.26	2.25	2.24	2.22	2.21
13.2750	2.20	2.19	2.17	2.16	2.15
13.3375	2.14	2.13	2.12	2.11	2.10
13.4000	2.09	2.09	2.08	2.07	2.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4625	2.05	2.04	2.03	2.02	2.01
13.5250	2.01	2.00	1.99	1.98	1.97
13.5875	1.96	1.95	1.95	1.94	1.93
13.6500	1.92	1.91	1.90	1.89	1.89
13.7125	1.88	1.87	1.86	1.85	1.84
13.7750	1.83	1.83	1.82	1.81	1.80
13.8375	1.79	1.78	1.77	1.76	1.76
13.9000	1.75	1.74	1.73	1.72	1.71
13.9625	1.70	1.69	1.68	1.68	1.67
14.0250	1.66	1.65	1.64	1.63	1.62
14.0875	1.62	1.61	1.60	1.59	1.59
14.1500	1.58	1.57	1.57	1.56	1.55
14.2125	1.55	1.54	1.54	1.53	1.53
14.2750	1.52	1.52	1.51	1.51	1.50
14.3375	1.50	1.50	1.49	1.49	1.48
14.4000	1.48	1.47	1.47	1.46	1.46
14.4625	1.46	1.45	1.45	1.44	1.44
14.5250	1.44	1.43	1.43	1.42	1.42
14.5875	1.41	1.41	1.41	1.40	1.40
14.6500	1.39	1.39	1.38	1.38	1.38
14.7125	1.37	1.37	1.36	1.36	1.35
14.7750	1.35	1.35	1.34	1.34	1.33
14.8375	1.33	1.32	1.32	1.32	1.31
14.9000	1.31	1.30	1.30	1.29	1.29
14.9625	1.29	1.28	1.28	1.27	1.27
15.0250	1.26	1.26	1.25	1.25	1.25
15.0875	1.24	1.24	1.23	1.23	1.22
15.1500	1.22	1.22	1.21	1.21	1.20
15.2125	1.20	1.19	1.19	1.18	1.18
15.2750	1.18	1.17	1.17	1.16	1.16
15.3375	1.15	1.15	1.14	1.14	1.14
15.4000	1.13	1.13	1.12	1.12	1.11
15.4625	1.11	1.10	1.10	1.10	1.09
15.5250	1.09	1.08	1.08	1.07	1.07
15.5875	1.06	1.06	1.06	1.05	1.05
15.6500	1.04	1.04	1.03	1.03	1.02
15.7125	1.02	1.01	1.01	1.01	1.00
15.7750	1.00	.99	.99	.98	.98
15.8375	.97	.97	.97	.96	.96
15.9000	.95	.95	.94	.94	.93
15.9625	.93	.92	.92	.91	.91
16.0250	.91	.90	.90	.89	.89
16.0875	.89	.88	.88	.87	.87
16.1500	.87	.86	.86	.86	.85
16.2125	.85	.85	.85	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2750	.84	.84	.83	.83	.83
16.3375	.83	.83	.82	.82	.82
16.4000	.82	.81	.81	.81	.81
16.4625	.81	.80	.80	.80	.80
16.5250	.80	.79	.79	.79	.79
16.5875	.79	.78	.78	.78	.78
16.6500	.78	.77	.77	.77	.77
16.7125	.77	.77	.76	.76	.76
16.7750	.76	.76	.75	.75	.75
16.8375	.75	.75	.74	.74	.74
16.9000	.74	.74	.73	.73	.73
16.9625	.73	.73	.72	.72	.72
17.0250	.72	.72	.71	.71	.71
17.0875	.71	.71	.70	.70	.70
17.1500	.70	.70	.69	.69	.69
17.2125	.69	.69	.68	.68	.68
17.2750	.68	.68	.67	.67	.67
17.3375	.67	.67	.66	.66	.66
17.4000	.66	.66	.65	.65	.65
17.4625	.65	.65	.64	.64	.64
17.5250	.64	.64	.63	.63	.63
17.5875	.63	.63	.62	.62	.62
17.6500	.62	.62	.61	.61	.61
17.7125	.61	.61	.60	.60	.60
17.7750	.60	.60	.59	.59	.59
17.8375	.59	.58	.58	.58	.58
17.9000	.58	.57	.57	.57	.57
17.9625	.57	.56	.56	.56	.56
18.0250	.56	.55	.55	.55	.55
18.0875	.55	.54	.54	.54	.54
18.1500	.54	.54	.54	.54	.53
18.2125	.53	.53	.53	.53	.53
18.2750	.53	.53	.53	.53	.53
18.3375	.53	.52	.52	.52	.52
18.4000	.52	.52	.52	.52	.52
18.4625	.52	.52	.52	.52	.52
18.5250	.52	.52	.51	.51	.51
18.5875	.51	.51	.51	.51	.51
18.6500	.51	.51	.51	.51	.51
18.7125	.51	.51	.51	.51	.50
18.7750	.50	.50	.50	.50	.50
18.8375	.50	.50	.50	.50	.50
18.9000	.50	.50	.50	.50	.50
18.9625	.50	.49	.49	.49	.49
19.0250	.49	.49	.49	.49	.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0875	.49	.49	.49	.49	.49
19.1500	.49	.49	.48	.48	.48
19.2125	.48	.48	.48	.48	.48
19.2750	.48	.48	.48	.48	.48
19.3375	.48	.48	.48	.48	.47
19.4000	.47	.47	.47	.47	.47
19.4625	.47	.47	.47	.47	.47
19.5250	.47	.47	.47	.47	.47
19.5875	.47	.46	.46	.46	.46
19.6500	.46	.46	.46	.46	.46
19.7125	.46	.46	.46	.46	.46
19.7750	.46	.46	.45	.45	.45
19.8375	.45	.45	.45	.45	.45
19.9000	.45	.45	.45	.45	.45
19.9625	.45	.45	.45	.45	.44
20.0250	.44	.44	.44	.44	.44
20.0875	.44	.44	.44	.44	.44
20.1500	.44	.44	.44	.44	.44
20.2125	.44	.44	.44	.44	.43
20.2750	.43	.43	.43	.43	.43
20.3375	.43	.43	.43	.43	.43
20.4000	.43	.43	.43	.43	.43
20.4625	.43	.43	.43	.43	.42
20.5250	.42	.42	.42	.42	.42
20.5875	.42	.42	.42	.42	.42
20.6500	.42	.42	.42	.42	.42
20.7125	.42	.42	.42	.42	.42
20.7750	.41	.41	.41	.41	.41
20.8375	.41	.41	.41	.41	.41
20.9000	.41	.41	.41	.41	.41
20.9625	.41	.41	.41	.41	.41
21.0250	.41	.41	.41	.41	.41
21.0875	.40	.40	.40	.40	.40
21.1500	.40	.40	.40	.40	.40
21.2125	.40	.40	.40	.40	.40
21.2750	.40	.40	.40	.40	.40
21.3375	.39	.39	.39	.39	.39
21.4000	.39	.39	.39	.39	.39
21.4625	.39	.39	.39	.39	.39
21.5250	.39	.39	.39	.39	.39
21.5875	.39	.38	.38	.38	.38
21.6500	.38	.38	.38	.38	.38
21.7125	.38	.38	.38	.38	.38
21.7750	.38	.38	.38	.38	.38
21.8375	.38	.38	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9000	.37	.37	.37	.37	.37
21.9625	.37	.37	.37	.37	.37
22.0250	.37	.37	.37	.37	.37
22.0875	.37	.37	.37	.37	.37
22.1500	.37	.36	.36	.36	.36
22.2125	.36	.36	.36	.36	.36
22.2750	.36	.36	.36	.36	.36
22.3375	.36	.36	.36	.36	.36
22.4000	.36	.35	.35	.35	.35
22.4625	.35	.35	.35	.35	.35
22.5250	.35	.35	.35	.35	.35
22.5875	.35	.35	.35	.35	.35
22.6500	.35	.35	.35	.35	.35
22.7125	.34	.34	.34	.34	.34
22.7750	.34	.34	.34	.34	.34
22.8375	.34	.34	.34	.34	.34
22.9000	.34	.34	.34	.34	.34
22.9625	.34	.33	.33	.33	.33
23.0250	.33	.33	.33	.33	.33
23.0875	.33	.33	.33	.33	.33
23.1500	.33	.33	.33	.33	.33
23.2125	.33	.32	.32	.32	.32
23.2750	.32	.32	.32	.32	.32
23.3375	.32	.32	.32	.32	.32
23.4000	.32	.32	.32	.32	.32
23.4625	.32	.32	.32	.32	.32
23.5250	.31	.31	.31	.31	.31
23.5875	.31	.31	.31	.31	.31
23.6500	.31	.31	.31	.31	.31
23.7125	.31	.31	.31	.31	.31
23.7750	.30	.30	.30	.30	.30
23.8375	.30	.30	.30	.30	.30
23.9000	.30	.30	.30	.30	.30
23.9625	.30	.30	.30	.29	.29
24.0250	.29	.29	.28	.27	.26
24.0875	.24	.23	.21	.19	.17
24.1500	.15	.14	.12	.10	.09
24.2125	.08	.07	.06	.05	.04
24.2750	.04	.03	.03	.02	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.00	.00	.00	.00	.00
24.5250	.00	.00	.00	.00	.00

Name... D.A. DD Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 6.5000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. DD 25
Tc = .2173 hrs
Drainage Area = 7.600 acres Runoff CN= 73

=====
Computational Time Increment = .02898 hrs
Computed Peak Time = 12.1711 hrs
Computed Peak Flow = 23.68 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1749 hrs
Peak Flow, Interpolated Output = 23.59 cfs
=====

DRAINAGE AREA

ID:D.A. DD
CN = 73
Area = 7.600 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

3.5079 in
96776 cu.ft

HYG Volume... 96776 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .21734 hrs (ID: D.A. DD)
Computational Incr, Tm = .02898 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 39.62 cfs
Unit peak time Tp = .14489 hrs
Unit receding limb, Tr = .57958 hrs
Total unit time, Tb = .72447 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
 Duration = 24.0000 hrs Rain Depth = 6.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 25
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73
 Calc.Increment= .02898 hrs Out.Incr.= .0125 hrs
 HYG Volume = 96776 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.01	.01	.01
8.2125	.01	.01	.01	.01	.01
8.2750	.02	.02	.02	.02	.02
8.3375	.02	.03	.03	.03	.03
8.4000	.03	.03	.04	.04	.04
8.4625	.04	.04	.05	.05	.05
8.5250	.05	.05	.06	.06	.06
8.5875	.06	.07	.07	.07	.07
8.6500	.07	.08	.08	.08	.08
8.7125	.09	.09	.09	.09	.10
8.7750	.10	.10	.10	.11	.11
8.8375	.11	.12	.12	.12	.12
8.9000	.13	.13	.13	.14	.14
8.9625	.14	.14	.15	.15	.15
9.0250	.16	.16	.16	.17	.17
9.0875	.17	.18	.18	.18	.18
9.1500	.19	.19	.19	.20	.20
9.2125	.20	.21	.21	.22	.22
9.2750	.22	.23	.23	.23	.24
9.3375	.24	.24	.25	.25	.26
9.4000	.26	.26	.27	.27	.27
9.4625	.28	.28	.29	.29	.29
9.5250	.30	.30	.31	.31	.31
9.5875	.32	.32	.33	.33	.34
9.6500	.34	.34	.35	.35	.36
9.7125	.36	.37	.37	.37	.38
9.7750	.38	.39	.39	.40	.40
9.8375	.41	.41	.42	.42	.42
9.9000	.43	.43	.44	.44	.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9625	.45	.46	.46	.47	.47
10.0250	.48	.48	.49	.49	.50
10.0875	.50	.51	.51	.52	.53
10.1500	.53	.54	.54	.55	.56
10.2125	.56	.57	.58	.58	.59
10.2750	.60	.61	.61	.62	.63
10.3375	.64	.64	.65	.66	.67
10.4000	.67	.68	.69	.70	.71
10.4625	.71	.72	.73	.74	.75
10.5250	.76	.76	.77	.78	.79
10.5875	.80	.81	.82	.83	.83
10.6500	.84	.85	.86	.87	.88
10.7125	.89	.90	.91	.92	.93
10.7750	.94	.95	.96	.97	.98
10.8375	.99	1.00	1.01	1.02	1.03
10.9000	1.04	1.05	1.06	1.07	1.08
10.9625	1.09	1.10	1.11	1.12	1.13
11.0250	1.14	1.15	1.17	1.18	1.19
11.0875	1.21	1.22	1.23	1.25	1.27
11.1500	1.29	1.30	1.32	1.34	1.37
11.2125	1.39	1.41	1.44	1.46	1.49
11.2750	1.51	1.54	1.57	1.60	1.62
11.3375	1.65	1.68	1.71	1.74	1.77
11.4000	1.80	1.83	1.87	1.90	1.93
11.4625	1.96	1.99	2.03	2.06	2.10
11.5250	2.14	2.19	2.24	2.30	2.37
11.5875	2.45	2.54	2.64	2.75	2.87
11.6500	2.99	3.15	3.31	3.50	3.69
11.7125	3.89	4.11	4.33	4.57	4.81
11.7750	5.08	5.35	5.63	5.92	6.22
11.8375	6.52	6.82	7.15	7.48	7.83
11.9000	8.20	8.59	9.06	9.53	10.16
11.9625	10.81	11.59	12.48	13.40	14.44
12.0250	15.48	16.53	17.58	18.60	19.58
12.0875	20.52	21.33	22.15	22.68	23.19
12.1500	23.46	23.59	23.59	23.33	23.06
12.2125	22.52	21.97	21.35	20.67	19.99
12.2750	19.28	18.58	17.92	17.26	16.68
12.3375	16.11	15.58	15.07	14.57	14.10
12.4000	13.63	13.18	12.73	12.30	11.88
12.4625	11.46	11.04	10.61	10.20	9.78
12.5250	9.38	9.00	8.61	8.25	7.89
12.5875	7.55	7.22	6.91	6.62	6.35
12.6500	6.11	5.87	5.66	5.46	5.29
12.7125	5.13	4.98	4.85	4.73	4.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7750	4.52	4.43	4.35	4.27	4.20
12.8375	4.13	4.06	4.00	3.94	3.88
12.9000	3.83	3.78	3.72	3.67	3.63
12.9625	3.58	3.53	3.48	3.44	3.39
13.0250	3.35	3.30	3.26	3.22	3.18
13.0875	3.14	3.11	3.07	3.04	3.01
13.1500	2.98	2.95	2.93	2.90	2.88
13.2125	2.86	2.84	2.82	2.80	2.79
13.2750	2.77	2.76	2.74	2.73	2.72
13.3375	2.70	2.69	2.68	2.67	2.65
13.4000	2.64	2.63	2.62	2.61	2.59
13.4625	2.58	2.57	2.56	2.55	2.54
13.5250	2.53	2.52	2.51	2.49	2.48
13.5875	2.47	2.46	2.45	2.44	2.43
13.6500	2.42	2.41	2.39	2.38	2.37
13.7125	2.36	2.35	2.34	2.33	2.32
13.7750	2.31	2.30	2.28	2.27	2.26
13.8375	2.25	2.24	2.23	2.22	2.21
13.9000	2.19	2.18	2.17	2.16	2.15
13.9625	2.14	2.13	2.12	2.10	2.09
14.0250	2.08	2.07	2.06	2.05	2.04
14.0875	2.03	2.02	2.01	2.00	1.99
14.1500	1.98	1.97	1.97	1.96	1.95
14.2125	1.94	1.94	1.93	1.92	1.92
14.2750	1.91	1.90	1.90	1.89	1.89
14.3375	1.88	1.88	1.87	1.86	1.86
14.4000	1.85	1.85	1.84	1.84	1.83
14.4625	1.83	1.82	1.81	1.81	1.80
14.5250	1.80	1.79	1.79	1.78	1.78
14.5875	1.77	1.77	1.76	1.76	1.75
14.6500	1.74	1.74	1.73	1.73	1.72
14.7125	1.72	1.71	1.71	1.70	1.70
14.7750	1.69	1.68	1.68	1.67	1.67
14.8375	1.66	1.66	1.65	1.65	1.64
14.9000	1.64	1.63	1.62	1.62	1.61
14.9625	1.61	1.60	1.60	1.59	1.59
15.0250	1.58	1.57	1.57	1.56	1.56
15.0875	1.55	1.55	1.54	1.54	1.53
15.1500	1.53	1.52	1.51	1.51	1.50
15.2125	1.50	1.49	1.49	1.48	1.48
15.2750	1.47	1.46	1.46	1.45	1.45
15.3375	1.44	1.44	1.43	1.42	1.42
15.4000	1.41	1.41	1.40	1.40	1.39
15.4625	1.39	1.38	1.37	1.37	1.36
15.5250	1.36	1.35	1.35	1.34	1.33

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5875	1.33	1.32	1.32	1.31	1.31
15.6500	1.30	1.30	1.29	1.28	1.28
15.7125	1.27	1.27	1.26	1.26	1.25
15.7750	1.24	1.24	1.23	1.23	1.22
15.8375	1.22	1.21	1.20	1.20	1.19
15.9000	1.19	1.18	1.18	1.17	1.16
15.9625	1.16	1.15	1.15	1.14	1.14
16.0250	1.13	1.12	1.12	1.11	1.11
16.0875	1.10	1.10	1.09	1.09	1.09
16.1500	1.08	1.08	1.07	1.07	1.07
16.2125	1.06	1.06	1.05	1.05	1.05
16.2750	1.05	1.04	1.04	1.04	1.03
16.3375	1.03	1.03	1.03	1.02	1.02
16.4000	1.02	1.02	1.01	1.01	1.01
16.4625	1.01	1.00	1.00	1.00	1.00
16.5250	.99	.99	.99	.99	.98
16.5875	.98	.98	.98	.97	.97
16.6500	.97	.97	.96	.96	.96
16.7125	.96	.95	.95	.95	.95
16.7750	.94	.94	.94	.94	.93
16.8375	.93	.93	.93	.92	.92
16.9000	.92	.92	.91	.91	.91
16.9625	.91	.90	.90	.90	.90
17.0250	.89	.89	.89	.89	.88
17.0875	.88	.88	.88	.87	.87
17.1500	.87	.87	.86	.86	.86
17.2125	.86	.85	.85	.85	.85
17.2750	.84	.84	.84	.84	.83
17.3375	.83	.83	.83	.82	.82
17.4000	.82	.82	.81	.81	.81
17.4625	.81	.80	.80	.80	.80
17.5250	.79	.79	.79	.79	.78
17.5875	.78	.78	.78	.77	.77
17.6500	.77	.77	.76	.76	.76
17.7125	.76	.75	.75	.75	.75
17.7750	.74	.74	.74	.74	.73
17.8375	.73	.73	.72	.72	.72
17.9000	.72	.71	.71	.71	.71
17.9625	.71	.70	.70	.70	.69
18.0250	.69	.69	.69	.68	.68
18.0875	.68	.68	.68	.67	.67
18.1500	.67	.67	.67	.67	.66
18.2125	.66	.66	.66	.66	.66
18.2750	.66	.66	.66	.65	.65
18.3375	.65	.65	.65	.65	.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4000	.65	.65	.65	.65	.65
18.4625	.65	.64	.64	.64	.64
18.5250	.64	.64	.64	.64	.64
18.5875	.64	.64	.64	.64	.63
18.6500	.63	.63	.63	.63	.63
18.7125	.63	.63	.63	.63	.63
18.7750	.63	.63	.62	.62	.62
18.8375	.62	.62	.62	.62	.62
18.9000	.62	.62	.62	.62	.62
18.9625	.62	.61	.61	.61	.61
19.0250	.61	.61	.61	.61	.61
19.0875	.61	.61	.61	.61	.60
19.1500	.60	.60	.60	.60	.60
19.2125	.60	.60	.60	.60	.60
19.2750	.60	.60	.60	.59	.59
19.3375	.59	.59	.59	.59	.59
19.4000	.59	.59	.59	.59	.59
19.4625	.59	.58	.58	.58	.58
19.5250	.58	.58	.58	.58	.58
19.5875	.58	.58	.58	.58	.57
19.6500	.57	.57	.57	.57	.57
19.7125	.57	.57	.57	.57	.57
19.7750	.57	.57	.56	.56	.56
19.8375	.56	.56	.56	.56	.56
19.9000	.56	.56	.56	.56	.56
19.9625	.56	.55	.55	.55	.55
20.0250	.55	.55	.55	.55	.55
20.0875	.55	.55	.55	.55	.54
20.1500	.54	.54	.54	.54	.54
20.2125	.54	.54	.54	.54	.54
20.2750	.54	.54	.54	.54	.54
20.3375	.54	.53	.53	.53	.53
20.4000	.53	.53	.53	.53	.53
20.4625	.53	.53	.53	.53	.53
20.5250	.53	.53	.53	.52	.52
20.5875	.52	.52	.52	.52	.52
20.6500	.52	.52	.52	.52	.52
20.7125	.52	.52	.52	.52	.51
20.7750	.51	.51	.51	.51	.51
20.8375	.51	.51	.51	.51	.51
20.9000	.51	.51	.51	.51	.51
20.9625	.51	.51	.51	.50	.50
21.0250	.50	.50	.50	.50	.50
21.0875	.50	.50	.50	.50	.50
21.1500	.50	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2125	.50	.49	.49	.49	.49
21.2750	.49	.49	.49	.49	.49
21.3375	.49	.49	.49	.49	.49
21.4000	.49	.49	.49	.49	.48
21.4625	.48	.48	.48	.48	.48
21.5250	.48	.48	.48	.48	.48
21.5875	.48	.48	.48	.48	.48
21.6500	.48	.47	.47	.47	.47
21.7125	.47	.47	.47	.47	.47
21.7750	.47	.47	.47	.47	.47
21.8375	.47	.47	.47	.47	.47
21.9000	.46	.46	.46	.46	.46
21.9625	.46	.46	.46	.46	.46
22.0250	.46	.46	.46	.46	.46
22.0875	.46	.45	.45	.45	.45
22.1500	.45	.45	.45	.45	.45
22.2125	.45	.45	.45	.45	.45
22.2750	.45	.45	.45	.44	.44
22.3375	.44	.44	.44	.44	.44
22.4000	.44	.44	.44	.44	.44
22.4625	.44	.44	.44	.44	.44
22.5250	.43	.43	.43	.43	.43
22.5875	.43	.43	.43	.43	.43
22.6500	.43	.43	.43	.43	.43
22.7125	.43	.43	.43	.43	.42
22.7750	.42	.42	.42	.42	.42
22.8375	.42	.42	.42	.42	.42
22.9000	.42	.42	.42	.42	.42
22.9625	.42	.41	.41	.41	.41
23.0250	.41	.41	.41	.41	.41
23.0875	.41	.41	.41	.41	.41
23.1500	.41	.40	.40	.40	.40
23.2125	.40	.40	.40	.40	.40
23.2750	.40	.40	.40	.40	.40
23.3375	.40	.40	.40	.40	.40
23.4000	.39	.39	.39	.39	.39
23.4625	.39	.39	.39	.39	.39
23.5250	.39	.39	.39	.39	.39
23.5875	.39	.39	.38	.38	.38
23.6500	.38	.38	.38	.38	.38
23.7125	.38	.38	.38	.38	.38
23.7750	.38	.38	.38	.38	.38
23.8375	.37	.37	.37	.37	.37
23.9000	.37	.37	.37	.37	.37
23.9625	.37	.37	.37	.37	.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0250	.36	.35	.35	.33	.32
24.0875	.30	.28	.26	.24	.21
24.1500	.19	.17	.15	.13	.11
24.2125	.10	.08	.07	.06	.05
24.2750	.05	.04	.04	.03	.03
24.3375	.02	.02	.02	.02	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.01	.00	.00	.00	.00
24.5250	.00	.00	.00	.00	.00
24.5875	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
Rain File -ID = - TypeIII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
HYG File - ID = work_pad.hyg - D.A. DD 50
Tc = .2173 hrs
Drainage Area = 7.600 acres Runoff CN= 73

=====
Computational Time Increment = .02898 hrs
Computed Peak Time = 12.1711 hrs
Computed Peak Flow = 26.55 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1624 hrs
Peak Flow, Interpolated Output = 26.46 cfs
=====

DRAINAGE AREA

ID:D.A. DD
CN = 73
Area = 7.600 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

3.9353 in
108566 cu.ft

HYG Volume... 108567 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .21734 hrs (ID: D.A. DD)
Computational Incr, Tm = .02898 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 39.62 cfs
Unit peak time Tp = .14489 hrs
Unit receding limb, Tr = .57958 hrs
Total unit time, Tb = .72447 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 50 year storm
 Duration = 24.0000 hrs Rain Depth = 7.0000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 50
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73
 Calc.Increment= .02898 hrs Out.Incr.= .0125 hrs
 HYG Volume = 108567 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

Time hrs					
7.7625	.00	.00	.00	.00	.00
7.8250	.00	.00	.01	.01	.01
7.8875	.01	.01	.01	.01	.01
7.9500	.01	.02	.02	.02	.02
8.0125	.02	.02	.03	.03	.03
8.0750	.03	.03	.03	.04	.04
8.1375	.04	.04	.04	.04	.05
8.2000	.05	.05	.05	.05	.06
8.2625	.06	.06	.06	.06	.07
8.3250	.07	.07	.07	.08	.08
8.3875	.08	.08	.08	.09	.09
8.4500	.09	.09	.10	.10	.10
8.5125	.10	.11	.11	.11	.11
8.5750	.12	.12	.12	.13	.13
8.6375	.13	.13	.14	.14	.14
8.7000	.14	.15	.15	.15	.16
8.7625	.16	.16	.17	.17	.17
8.8250	.18	.18	.18	.19	.19
8.8875	.19	.20	.20	.20	.21
8.9500	.21	.21	.22	.22	.22
9.0125	.23	.23	.23	.24	.24
9.0750	.24	.25	.25	.26	.26
9.1375	.26	.27	.27	.28	.28
9.2000	.28	.29	.29	.30	.30
9.2625	.30	.31	.31	.32	.32
9.3250	.32	.33	.33	.34	.34
9.3875	.35	.35	.35	.36	.36
9.4500	.37	.37	.38	.38	.39
9.5125	.39	.40	.40	.40	.41
9.5750	.41	.42	.42	.43	.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.6375	.44	.44	.45	.45	.46
9.7000	.46	.47	.47	.48	.48
9.7625	.49	.49	.50	.50	.51
9.8250	.51	.52	.52	.53	.53
9.8875	.54	.55	.55	.56	.56
9.9500	.57	.57	.58	.58	.59
10.0125	.59	.60	.61	.61	.62
10.0750	.62	.63	.64	.64	.65
10.1375	.66	.66	.67	.68	.68
10.2000	.69	.70	.71	.71	.72
10.2625	.73	.74	.75	.76	.76
10.3250	.77	.78	.79	.80	.81
10.3875	.82	.83	.83	.84	.85
10.4500	.86	.87	.88	.89	.90
10.5125	.91	.92	.93	.94	.95
10.5750	.96	.97	.98	.99	1.00
10.6375	1.01	1.02	1.03	1.04	1.05
10.7000	1.06	1.07	1.08	1.09	1.10
10.7625	1.11	1.13	1.14	1.15	1.16
10.8250	1.17	1.18	1.19	1.20	1.21
10.8875	1.23	1.24	1.25	1.26	1.27
10.9500	1.28	1.30	1.31	1.32	1.33
11.0125	1.34	1.36	1.37	1.38	1.40
11.0750	1.41	1.43	1.44	1.46	1.48
11.1375	1.50	1.52	1.54	1.56	1.59
11.2000	1.61	1.64	1.67	1.69	1.72
11.2625	1.75	1.78	1.81	1.84	1.88
11.3250	1.91	1.94	1.97	2.01	2.04
11.3875	2.08	2.11	2.15	2.18	2.22
11.4500	2.26	2.29	2.33	2.37	2.41
11.5125	2.45	2.50	2.55	2.61	2.68
11.5750	2.76	2.85	2.95	3.06	3.19
11.6375	3.33	3.47	3.66	3.84	4.05
11.7000	4.27	4.50	4.75	5.00	5.27
11.7625	5.55	5.85	6.16	6.48	6.81
11.8250	7.14	7.48	7.83	8.19	8.56
11.8875	8.96	9.38	9.82	10.34	10.87
11.9500	11.57	12.30	13.18	14.18	15.21
12.0125	16.37	17.53	18.70	19.87	21.00
12.0750	22.09	23.13	24.02	24.92	25.50
12.1375	26.05	26.34	26.46	26.45	26.14
12.2000	25.82	25.20	24.58	23.87	23.11
12.2625	22.33	21.53	20.73	19.99	19.25
12.3250	18.59	17.96	17.35	16.79	16.22
12.3875	15.69	15.16	14.65	14.16	13.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.4500	13.20	12.73	12.26	11.78	11.32
12.5125	10.85	10.41	9.98	9.55	9.15
12.5750	8.75	8.37	8.00	7.66	7.34
12.6375	7.03	6.76	6.50	6.27	6.05
12.7000	5.85	5.68	5.51	5.37	5.23
12.7625	5.12	5.01	4.91	4.81	4.72
12.8250	4.64	4.56	4.50	4.43	4.36
12.8875	4.30	4.23	4.18	4.12	4.06
12.9500	4.01	3.95	3.90	3.85	3.80
13.0125	3.75	3.70	3.65	3.60	3.56
13.0750	3.52	3.47	3.43	3.39	3.36
13.1375	3.32	3.29	3.26	3.23	3.21
13.2000	3.18	3.16	3.14	3.12	3.10
13.2625	3.08	3.06	3.04	3.03	3.01
13.3250	3.00	2.98	2.97	2.96	2.94
13.3875	2.93	2.91	2.90	2.89	2.88
13.4500	2.86	2.85	2.84	2.83	2.81
13.5125	2.80	2.79	2.78	2.76	2.75
13.5750	2.74	2.73	2.72	2.70	2.69
13.6375	2.68	2.67	2.65	2.64	2.63
13.7000	2.62	2.60	2.59	2.58	2.57
13.7625	2.56	2.54	2.53	2.52	2.51
13.8250	2.49	2.48	2.47	2.46	2.44
13.8875	2.43	2.42	2.41	2.39	2.38
13.9500	2.37	2.36	2.35	2.33	2.32
14.0125	2.31	2.30	2.28	2.27	2.26
14.0750	2.25	2.24	2.23	2.21	2.20
14.1375	2.19	2.18	2.18	2.17	2.16
14.2000	2.15	2.14	2.13	2.13	2.12
14.2625	2.11	2.11	2.10	2.09	2.09
14.3250	2.08	2.07	2.07	2.06	2.05
14.3875	2.05	2.04	2.03	2.03	2.02
14.4500	2.02	2.01	2.01	2.00	1.99
14.5125	1.99	1.98	1.97	1.97	1.96
14.5750	1.96	1.95	1.94	1.94	1.93
14.6375	1.93	1.92	1.92	1.91	1.90
14.7000	1.90	1.89	1.88	1.88	1.87
14.7625	1.87	1.86	1.85	1.85	1.84
14.8250	1.84	1.83	1.82	1.82	1.81
14.8875	1.81	1.80	1.79	1.79	1.78
14.9500	1.78	1.77	1.76	1.76	1.75
15.0125	1.75	1.74	1.73	1.73	1.72
15.0750	1.72	1.71	1.70	1.70	1.69
15.1375	1.68	1.68	1.67	1.67	1.66
15.2000	1.65	1.65	1.64	1.64	1.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2625	1.62	1.62	1.61	1.60	1.60
15.3250	1.59	1.59	1.58	1.57	1.57
15.3875	1.56	1.55	1.55	1.54	1.54
15.4500	1.53	1.52	1.52	1.51	1.51
15.5125	1.50	1.49	1.49	1.48	1.47
15.5750	1.47	1.46	1.46	1.45	1.44
15.6375	1.44	1.43	1.42	1.42	1.41
15.7000	1.41	1.40	1.39	1.39	1.38
15.7625	1.37	1.37	1.36	1.36	1.35
15.8250	1.34	1.34	1.33	1.32	1.32
15.8875	1.31	1.31	1.30	1.29	1.29
15.9500	1.28	1.27	1.27	1.26	1.25
16.0125	1.25	1.24	1.24	1.23	1.22
16.0750	1.22	1.21	1.21	1.20	1.20
16.1375	1.19	1.19	1.18	1.18	1.18
16.2000	1.17	1.17	1.16	1.16	1.16
16.2625	1.15	1.15	1.15	1.14	1.14
16.3250	1.14	1.13	1.13	1.13	1.13
16.3875	1.12	1.12	1.12	1.11	1.11
16.4500	1.11	1.10	1.10	1.10	1.10
16.5125	1.09	1.09	1.09	1.09	1.08
16.5750	1.08	1.08	1.07	1.07	1.07
16.6375	1.07	1.06	1.06	1.06	1.06
16.7000	1.05	1.05	1.05	1.04	1.04
16.7625	1.04	1.04	1.03	1.03	1.03
16.8250	1.03	1.02	1.02	1.02	1.01
16.8875	1.01	1.01	1.01	1.00	1.00
16.9500	1.00	1.00	.99	.99	.99
17.0125	.98	.98	.98	.98	.97
17.0750	.97	.97	.97	.96	.96
17.1375	.96	.95	.95	.95	.95
17.2000	.94	.94	.94	.93	.93
17.2625	.93	.93	.92	.92	.92
17.3250	.92	.91	.91	.91	.91
17.3875	.90	.90	.90	.89	.89
17.4500	.89	.88	.88	.88	.88
17.5125	.87	.87	.87	.87	.86
17.5750	.86	.86	.85	.85	.85
17.6375	.85	.84	.84	.84	.83
17.7000	.83	.83	.83	.82	.82
17.7625	.82	.82	.81	.81	.81
17.8250	.80	.80	.80	.80	.79
17.8875	.79	.79	.78	.78	.78
17.9500	.78	.77	.77	.77	.77
18.0125	.76	.76	.76	.75	.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0750	.75	.75	.74	.74	.74
18.1375	.74	.74	.73	.73	.73
18.2000	.73	.73	.73	.73	.72
18.2625	.72	.72	.72	.72	.72
18.3250	.72	.72	.72	.72	.71
18.3875	.71	.71	.71	.71	.71
18.4500	.71	.71	.71	.71	.71
18.5125	.70	.70	.70	.70	.70
18.5750	.70	.70	.70	.70	.70
18.6375	.70	.70	.70	.69	.69
18.7000	.69	.69	.69	.69	.69
18.7625	.69	.69	.69	.69	.69
18.8250	.68	.68	.68	.68	.68
18.8875	.68	.68	.68	.68	.68
18.9500	.68	.68	.67	.67	.67
19.0125	.67	.67	.67	.67	.67
19.0750	.67	.67	.67	.67	.66
19.1375	.66	.66	.66	.66	.66
19.2000	.66	.66	.66	.66	.66
19.2625	.66	.65	.65	.65	.65
19.3250	.65	.65	.65	.65	.65
19.3875	.65	.65	.65	.64	.64
19.4500	.64	.64	.64	.64	.64
19.5125	.64	.64	.64	.64	.64
19.5750	.63	.63	.63	.63	.63
19.6375	.63	.63	.63	.63	.63
19.7000	.63	.63	.62	.62	.62
19.7625	.62	.62	.62	.62	.62
19.8250	.62	.62	.62	.62	.62
19.8875	.61	.61	.61	.61	.61
19.9500	.61	.61	.61	.61	.61
20.0125	.61	.60	.60	.60	.60
20.0750	.60	.60	.60	.60	.60
20.1375	.60	.60	.60	.60	.59
20.2000	.59	.59	.59	.59	.59
20.2625	.59	.59	.59	.59	.59
20.3250	.59	.59	.59	.59	.59
20.3875	.58	.58	.58	.58	.58
20.4500	.58	.58	.58	.58	.58
20.5125	.58	.58	.58	.58	.58
20.5750	.58	.57	.57	.57	.57
20.6375	.57	.57	.57	.57	.57
20.7000	.57	.57	.57	.57	.57
20.7625	.56	.56	.56	.56	.56
20.8250	.56	.56	.56	.56	.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8875	.56	.56	.56	.56	.56
20.9500	.56	.56	.55	.55	.55
21.0125	.55	.55	.55	.55	.55
21.0750	.55	.55	.55	.55	.55
21.1375	.55	.55	.55	.55	.54
21.2000	.54	.54	.54	.54	.54
21.2625	.54	.54	.54	.54	.54
21.3250	.54	.54	.54	.54	.54
21.3875	.53	.53	.53	.53	.53
21.4500	.53	.53	.53	.53	.53
21.5125	.53	.53	.53	.53	.52
21.5750	.52	.52	.52	.52	.52
21.6375	.52	.52	.52	.52	.52
21.7000	.52	.52	.52	.52	.52
21.7625	.52	.51	.51	.51	.51
21.8250	.51	.51	.51	.51	.51
21.8875	.51	.51	.51	.51	.51
21.9500	.51	.51	.51	.50	.50
22.0125	.50	.50	.50	.50	.50
22.0750	.50	.50	.50	.50	.50
22.1375	.50	.50	.50	.49	.49
22.2000	.49	.49	.49	.49	.49
22.2625	.49	.49	.49	.49	.49
22.3250	.49	.49	.49	.48	.48
22.3875	.48	.48	.48	.48	.48
22.4500	.48	.48	.48	.48	.48
22.5125	.48	.48	.48	.48	.47
22.5750	.47	.47	.47	.47	.47
22.6375	.47	.47	.47	.47	.47
22.7000	.47	.47	.47	.47	.47
22.7625	.47	.46	.46	.46	.46
22.8250	.46	.46	.46	.46	.46
22.8875	.46	.46	.46	.46	.46
22.9500	.46	.45	.45	.45	.45
23.0125	.45	.45	.45	.45	.45
23.0750	.45	.45	.45	.45	.45
23.1375	.45	.44	.44	.44	.44
23.2000	.44	.44	.44	.44	.44
23.2625	.44	.44	.44	.44	.44
23.3250	.44	.44	.43	.43	.43
23.3875	.43	.43	.43	.43	.43
23.4500	.43	.43	.43	.43	.43
23.5125	.43	.43	.43	.43	.42
23.5750	.42	.42	.42	.42	.42
23.6375	.42	.42	.42	.42	.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.7000	.42	.42	.42	.42	.41
23.7625	.41	.41	.41	.41	.41
23.8250	.41	.41	.41	.41	.41
23.8875	.41	.41	.41	.41	.40
23.9500	.40	.40	.40	.40	.40
24.0125	.40	.39	.39	.38	.37
24.0750	.35	.33	.31	.28	.26
24.1375	.23	.21	.19	.16	.14
24.2000	.12	.11	.09	.08	.07
24.2625	.06	.05	.05	.04	.03
24.3250	.03	.03	.02	.02	.02
24.3875	.01	.01	.01	.01	.01
24.4500	.01	.01	.01	.00	.00
24.5125	.00	.00	.00	.00	.00
24.5750	.00	.00	.00		

Name... D.A. DD Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm

Duration = 24.0000 hrs Rain Depth = 7.5000 in

Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

Rain File -ID = - TypeIII 24hr

Unit Hyd Type = Default Curvilinear

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac

HYG File - ID = work_pad.hyg - D.A. DD 100

Tc = .2173 hrs

Drainage Area = 7.600 acres Runoff CN= 73

=====
Computational Time Increment = .02898 hrs
Computed Peak Time = 12.1711 hrs
Computed Peak Flow = 29.45 cfs

Time Increment for HYG File = .0125 hrs
Peak Time, Interpolated Output = 12.1624 hrs
Peak Flow, Interpolated Output = 29.37 cfs
=====

DRAINAGE AREA

ID:D.A. DD
CN = 73
Area = 7.600 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

4.3696 in
120549 cu.ft

HYG Volume... 120549 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .21734 hrs (ID: D.A. DD)
Computational Incr, Tm = .02898 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 39.62 cfs
Unit peak time Tp = .14489 hrs
Unit receding limb, Tr = .57958 hrs
Total unit time, Tb = .72447 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
 Duration = 24.0000 hrs Rain Depth = 7.5000 in
 Rain Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 Rain File -ID = - TypeIII 24hr
 Unit Hyd Type = Default Curvilinear
 HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPac
 HYG File - ID = work_pad.hyg - D.A. DD 100
 Tc = .2173 hrs
 Drainage Area = 7.600 acres Runoff CN= 73
 Calc.Increment= .02898 hrs Out.Incr.= .0125 hrs
 HYG Volume = 120549 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.01	.01	.01
7.5875	.01	.01	.01	.01	.01
7.6500	.01	.02	.02	.02	.02
7.7125	.02	.02	.03	.03	.03
7.7750	.03	.03	.03	.04	.04
7.8375	.04	.04	.04	.04	.05
7.9000	.05	.05	.05	.05	.06
7.9625	.06	.06	.06	.06	.06
8.0250	.07	.07	.07	.07	.07
8.0875	.08	.08	.08	.08	.08
8.1500	.09	.09	.09	.09	.10
8.2125	.10	.10	.10	.10	.11
8.2750	.11	.11	.11	.12	.12
8.3375	.12	.13	.13	.13	.13
8.4000	.14	.14	.14	.14	.15
8.4625	.15	.15	.16	.16	.16
8.5250	.17	.17	.17	.17	.18
8.5875	.18	.18	.19	.19	.19
8.6500	.20	.20	.20	.21	.21
8.7125	.21	.22	.22	.22	.23
8.7750	.23	.24	.24	.24	.25
8.8375	.25	.25	.26	.26	.27
8.9000	.27	.27	.28	.28	.28
8.9625	.29	.29	.30	.30	.31
9.0250	.31	.31	.32	.32	.33
9.0875	.33	.33	.34	.34	.35
9.1500	.35	.36	.36	.37	.37
9.2125	.37	.38	.38	.39	.39
9.2750	.40	.40	.41	.41	.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.3375	.42	.43	.43	.44	.44
9.4000	.45	.45	.46	.46	.47
9.4625	.47	.48	.48	.49	.49
9.5250	.50	.50	.51	.51	.52
9.5875	.52	.53	.54	.54	.55
9.6500	.55	.56	.56	.57	.57
9.7125	.58	.59	.59	.60	.60
9.7750	.61	.61	.62	.63	.63
9.8375	.64	.64	.65	.66	.66
9.9000	.67	.67	.68	.69	.69
9.9625	.70	.70	.71	.72	.72
10.0250	.73	.74	.74	.75	.76
10.0875	.76	.77	.78	.78	.79
10.1500	.80	.81	.82	.82	.83
10.2125	.84	.85	.86	.87	.88
10.2750	.89	.90	.91	.91	.92
10.3375	.93	.94	.95	.96	.97
10.4000	.98	.99	1.01	1.02	1.03
10.4625	1.04	1.05	1.06	1.07	1.08
10.5250	1.09	1.10	1.11	1.12	1.13
10.5875	1.15	1.16	1.17	1.18	1.19
10.6500	1.20	1.21	1.23	1.24	1.25
10.7125	1.26	1.27	1.29	1.30	1.31
10.7750	1.32	1.33	1.35	1.36	1.37
10.8375	1.38	1.40	1.41	1.42	1.43
10.9000	1.45	1.46	1.47	1.49	1.50
10.9625	1.51	1.53	1.54	1.55	1.57
11.0250	1.58	1.59	1.61	1.63	1.64
11.0875	1.66	1.68	1.70	1.72	1.74
11.1500	1.76	1.79	1.81	1.84	1.87
11.2125	1.90	1.93	1.96	1.99	2.03
11.2750	2.06	2.09	2.13	2.17	2.20
11.3375	2.24	2.28	2.31	2.35	2.39
11.4000	2.43	2.47	2.51	2.55	2.59
11.4625	2.63	2.68	2.72	2.76	2.81
11.5250	2.86	2.92	2.99	3.06	3.16
11.5875	3.26	3.38	3.50	3.64	3.80
11.6500	3.96	4.17	4.38	4.61	4.86
11.7125	5.12	5.40	5.68	5.99	6.30
11.7750	6.64	6.99	7.34	7.71	8.08
11.8375	8.47	8.85	9.26	9.67	10.11
11.9000	10.58	11.06	11.65	12.23	13.01
11.9625	13.82	14.79	15.90	17.04	18.32
12.0250	19.60	20.90	22.19	23.43	24.63
12.0875	25.77	26.75	27.72	28.34	28.94

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
12.1500	29.25	29.37	29.34	28.97	28.61
12.2125	27.91	27.21	26.41	25.56	24.69
12.2750	23.80	22.90	22.08	21.25	20.51
12.3375	19.81	19.13	18.51	17.88	17.29
12.4000	16.70	16.14	15.59	15.05	14.53
12.4625	14.01	13.48	12.96	12.44	11.93
12.5250	11.44	10.97	10.50	10.06	9.61
12.5875	9.20	8.79	8.41	8.06	7.72
12.6500	7.42	7.13	6.88	6.64	6.42
12.7125	6.23	6.04	5.89	5.74	5.61
12.7750	5.49	5.38	5.27	5.18	5.09
12.8375	5.00	4.93	4.85	4.78	4.71
12.9000	4.64	4.58	4.51	4.45	4.39
12.9625	4.33	4.27	4.22	4.16	4.10
13.0250	4.05	4.00	3.95	3.90	3.85
13.0875	3.80	3.76	3.72	3.68	3.64
13.1500	3.60	3.57	3.54	3.51	3.48
13.2125	3.46	3.43	3.41	3.39	3.37
13.2750	3.35	3.33	3.31	3.30	3.28
13.3375	3.26	3.25	3.23	3.22	3.20
13.4000	3.19	3.17	3.16	3.15	3.13
13.4625	3.12	3.10	3.09	3.08	3.06
13.5250	3.05	3.04	3.02	3.01	3.00
13.5875	2.98	2.97	2.96	2.94	2.93
13.6500	2.92	2.90	2.89	2.88	2.86
13.7125	2.85	2.83	2.82	2.81	2.79
13.7750	2.78	2.77	2.75	2.74	2.73
13.8375	2.71	2.70	2.69	2.67	2.66
13.9000	2.64	2.63	2.62	2.60	2.59
13.9625	2.58	2.56	2.55	2.54	2.52
14.0250	2.51	2.50	2.48	2.47	2.46
14.0875	2.44	2.43	2.42	2.41	2.40
14.1500	2.39	2.38	2.37	2.36	2.35
14.2125	2.34	2.33	2.32	2.32	2.31
14.2750	2.30	2.29	2.29	2.28	2.27
14.3375	2.26	2.26	2.25	2.24	2.24
14.4000	2.23	2.22	2.22	2.21	2.20
14.4625	2.20	2.19	2.18	2.18	2.17
14.5250	2.16	2.16	2.15	2.14	2.14
14.5875	2.13	2.12	2.12	2.11	2.10
14.6500	2.10	2.09	2.08	2.08	2.07
14.7125	2.06	2.06	2.05	2.04	2.04
14.7750	2.03	2.02	2.02	2.01	2.00
14.8375	2.00	1.99	1.99	1.98	1.97
14.9000	1.96	1.96	1.95	1.94	1.94

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	1.93	1.92	1.92	1.91	1.90
15.0250	1.90	1.89	1.88	1.88	1.87
15.0875	1.86	1.86	1.85	1.84	1.84
15.1500	1.83	1.82	1.82	1.81	1.80
15.2125	1.80	1.79	1.78	1.78	1.77
15.2750	1.76	1.76	1.75	1.74	1.74
15.3375	1.73	1.72	1.72	1.71	1.70
15.4000	1.70	1.69	1.68	1.68	1.67
15.4625	1.66	1.66	1.65	1.64	1.64
15.5250	1.63	1.62	1.61	1.61	1.60
15.5875	1.59	1.59	1.58	1.57	1.57
15.6500	1.56	1.55	1.55	1.54	1.53
15.7125	1.53	1.52	1.51	1.51	1.50
15.7750	1.49	1.48	1.48	1.47	1.46
15.8375	1.46	1.45	1.44	1.44	1.43
15.9000	1.42	1.42	1.41	1.40	1.40
15.9625	1.39	1.38	1.37	1.37	1.36
16.0250	1.35	1.35	1.34	1.34	1.33
16.0875	1.32	1.32	1.31	1.31	1.30
16.1500	1.30	1.29	1.29	1.28	1.28
16.2125	1.27	1.27	1.26	1.26	1.26
16.2750	1.25	1.25	1.25	1.24	1.24
16.3375	1.24	1.23	1.23	1.23	1.22
16.4000	1.22	1.22	1.21	1.21	1.21
16.4625	1.20	1.20	1.20	1.20	1.19
16.5250	1.19	1.19	1.18	1.18	1.18
16.5875	1.17	1.17	1.17	1.17	1.16
16.6500	1.16	1.16	1.15	1.15	1.15
16.7125	1.14	1.14	1.14	1.14	1.13
16.7750	1.13	1.13	1.12	1.12	1.12
16.8375	1.11	1.11	1.11	1.11	1.10
16.9000	1.10	1.10	1.09	1.09	1.09
16.9625	1.09	1.08	1.08	1.08	1.07
17.0250	1.07	1.07	1.06	1.06	1.06
17.0875	1.05	1.05	1.05	1.05	1.04
17.1500	1.04	1.04	1.03	1.03	1.03
17.2125	1.02	1.02	1.02	1.02	1.01
17.2750	1.01	1.01	1.00	1.00	1.00
17.3375	.99	.99	.99	.99	.98
17.4000	.98	.98	.97	.97	.97
17.4625	.96	.96	.96	.95	.95
17.5250	.95	.95	.94	.94	.94
17.5875	.93	.93	.93	.92	.92
17.6500	.92	.92	.91	.91	.91
17.7125	.90	.90	.90	.89	.89

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	.89	.89	.88	.88	.88
17.8375	.87	.87	.87	.86	.86
17.9000	.86	.85	.85	.85	.85
17.9625	.84	.84	.84	.83	.83
18.0250	.83	.82	.82	.82	.82
18.0875	.81	.81	.81	.81	.80
18.1500	.80	.80	.80	.80	.79
18.2125	.79	.79	.79	.79	.79
18.2750	.79	.79	.78	.78	.78
18.3375	.78	.78	.78	.78	.78
18.4000	.78	.77	.77	.77	.77
18.4625	.77	.77	.77	.77	.77
18.5250	.77	.77	.76	.76	.76
18.5875	.76	.76	.76	.76	.76
18.6500	.76	.76	.76	.76	.75
18.7125	.75	.75	.75	.75	.75
18.7750	.75	.75	.75	.75	.75
18.8375	.74	.74	.74	.74	.74
18.9000	.74	.74	.74	.74	.74
18.9625	.74	.73	.73	.73	.73
19.0250	.73	.73	.73	.73	.73
19.0875	.73	.73	.72	.72	.72
19.1500	.72	.72	.72	.72	.72
19.2125	.72	.72	.72	.71	.71
19.2750	.71	.71	.71	.71	.71
19.3375	.71	.71	.71	.71	.70
19.4000	.70	.70	.70	.70	.70
19.4625	.70	.70	.70	.70	.70
19.5250	.69	.69	.69	.69	.69
19.5875	.69	.69	.69	.69	.69
19.6500	.69	.68	.68	.68	.68
19.7125	.68	.68	.68	.68	.68
19.7750	.68	.68	.67	.67	.67
19.8375	.67	.67	.67	.67	.67
19.9000	.67	.67	.67	.66	.66
19.9625	.66	.66	.66	.66	.66
20.0250	.66	.66	.66	.66	.65
20.0875	.65	.65	.65	.65	.65
20.1500	.65	.65	.65	.65	.65
20.2125	.65	.65	.65	.64	.64
20.2750	.64	.64	.64	.64	.64
20.3375	.64	.64	.64	.64	.64
20.4000	.64	.63	.63	.63	.63
20.4625	.63	.63	.63	.63	.63
20.5250	.63	.63	.63	.63	.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	.63	.62	.62	.62	.62
20.6500	.62	.62	.62	.62	.62
20.7125	.62	.62	.62	.62	.61
20.7750	.61	.61	.61	.61	.61
20.8375	.61	.61	.61	.61	.61
20.9000	.61	.61	.61	.61	.61
20.9625	.60	.60	.60	.60	.60
21.0250	.60	.60	.60	.60	.60
21.0875	.60	.60	.60	.60	.60
21.1500	.60	.59	.59	.59	.59
21.2125	.59	.59	.59	.59	.59
21.2750	.59	.59	.59	.59	.58
21.3375	.58	.58	.58	.58	.58
21.4000	.58	.58	.58	.58	.58
21.4625	.58	.58	.58	.58	.57
21.5250	.57	.57	.57	.57	.57
21.5875	.57	.57	.57	.57	.57
21.6500	.57	.57	.57	.56	.56
21.7125	.56	.56	.56	.56	.56
21.7750	.56	.56	.56	.56	.56
21.8375	.56	.56	.56	.56	.56
21.9000	.55	.55	.55	.55	.55
21.9625	.55	.55	.55	.55	.55
22.0250	.55	.55	.55	.54	.54
22.0875	.54	.54	.54	.54	.54
22.1500	.54	.54	.54	.54	.54
22.2125	.54	.54	.54	.53	.53
22.2750	.53	.53	.53	.53	.53
22.3375	.53	.53	.53	.53	.53
22.4000	.52	.52	.52	.52	.52
22.4625	.52	.52	.52	.52	.52
22.5250	.52	.52	.52	.52	.52
22.5875	.52	.51	.51	.51	.51
22.6500	.51	.51	.51	.51	.51
22.7125	.51	.51	.51	.51	.51
22.7750	.51	.50	.50	.50	.50
22.8375	.50	.50	.50	.50	.50
22.9000	.50	.50	.50	.50	.50
22.9625	.49	.49	.49	.49	.49
23.0250	.49	.49	.49	.49	.49
23.0875	.49	.49	.49	.49	.48
23.1500	.48	.48	.48	.48	.48
23.2125	.48	.48	.48	.48	.48
23.2750	.48	.48	.48	.48	.47
23.3375	.47	.47	.47	.47	.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	.47	.47	.47	.47	.47
23.4625	.47	.47	.47	.47	.47
23.5250	.46	.46	.46	.46	.46
23.5875	.46	.46	.46	.46	.46
23.6500	.46	.46	.46	.45	.45
23.7125	.45	.45	.45	.45	.45
23.7750	.45	.45	.45	.45	.45
23.8375	.45	.45	.44	.44	.44
23.9000	.44	.44	.44	.44	.44
23.9625	.44	.44	.44	.44	.43
24.0250	.43	.42	.41	.40	.38
24.0875	.36	.34	.31	.28	.25
24.1500	.23	.20	.18	.15	.13
24.2125	.12	.10	.09	.08	.07
24.2750	.06	.05	.04	.04	.03
24.3375	.03	.02	.02	.02	.02
24.4000	.01	.01	.01	.01	.01
24.4625	.01	.01	.00	.00	.00
24.5250	.00	.00	.00	.00	.00
24.5875	.00	.00			

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqrt(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
323.00	-----	0	0	0	0
324.00	-----	60839	60839	20280	20280
326.00	-----	65041	188785	125857	146136
328.00	-----	69381	201598	134399	280535
330.00	-----	73764	214684	143123	423658

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Area1} + \text{Area2} + \text{sq.rt.}(\text{Area1}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Area1,Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB AA OUTLET    WQBASIN AA    IN    work_pad.hyg  WQB AA OUTLET    2
=====

```

```

INFLOWS TO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg WQB AA OUTLET    2              297712      12.3125     89.72

```

```

TOTAL FLOW INTO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg DB AA          IN    2              297712      12.3125     89.72

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA IN

HYG Tag = 2

 Peak Discharge = 89.72 cfs
 Time to Peak = 12.3125 hrs
 HYG Volume = 297712 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

12.2000	.00	2.00	20.47	43.00	62.01
12.2625	75.11	83.27	87.66	89.52	89.72
12.3250	88.85	87.27	85.23	82.95	80.57
12.3875	78.13	75.70	73.30	70.94	68.63
12.4500	66.40	64.37	62.33	60.27	58.23
12.5125	56.20	54.20	52.21	50.27	48.35
12.5750	46.48	44.66	42.94	41.42	39.90
12.6375	38.38	36.89	35.45	34.06	32.73
12.7000	31.47	30.27	29.15	28.09	27.10
12.7625	26.18	25.32	24.52	23.78	23.20
12.8250	22.66	22.14	21.63	21.15	20.68
12.8875	20.24	19.81	19.41	19.03	18.66
12.9500	18.31	17.98	17.66	17.35	17.06
13.0125	16.78	16.51	16.25	16.00	15.76
13.0750	15.52	15.29	15.07	14.86	14.66
13.1375	14.46	14.27	14.09	13.91	13.74
13.2000	13.59	13.43	13.29	13.15	13.02
13.2625	12.90	12.78	12.67	12.57	12.47
13.3250	12.38	12.29	12.20	12.12	12.04
13.3875	11.97	11.89	11.83	11.76	11.69
13.4500	11.63	11.57	11.51	11.45	11.39
13.5125	11.33	11.28	11.22	11.17	11.11
13.5750	11.06	11.01	10.95	10.90	10.85
13.6375	10.80	10.75	10.69	10.64	10.59
13.7000	10.54	10.49	10.44	10.39	10.34
13.7625	10.29	10.24	10.19	10.14	10.09
13.8250	10.04	9.99	9.94	9.89	9.84
13.8875	9.79	9.74	9.69	9.64	9.59
13.9500	9.54	9.49	9.44	9.39	9.34
14.0125	9.29	9.24	9.19	9.15	9.10
14.0750	9.05	9.00	8.95	8.90	8.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.1375	8.81	8.77	8.72	8.68	8.63
14.2000	8.59	8.55	8.51	8.48	8.44
14.2625	8.40	8.37	8.34	8.32	8.30
14.3250	8.28	8.25	8.23	8.21	8.18
14.3875	8.16	8.13	8.11	8.08	8.06
14.4500	8.03	8.01	7.98	7.96	7.93
14.5125	7.91	7.88	7.86	7.83	7.81
14.5750	7.78	7.76	7.74	7.71	7.69
14.6375	7.66	7.64	7.61	7.59	7.56
14.7000	7.54	7.52	7.49	7.47	7.44
14.7625	7.42	7.39	7.37	7.35	7.32
14.8250	7.30	7.27	7.25	7.23	7.20
14.8875	7.18	7.15	7.13	7.11	7.08
14.9500	7.06	7.03	7.01	6.99	6.96
15.0125	6.94	6.91	6.89	6.87	6.84
15.0750	6.82	6.79	6.77	6.75	6.72
15.1375	6.70	6.67	6.65	6.63	6.60
15.2000	6.58	6.55	6.53	6.51	6.48
15.2625	6.46	6.43	6.41	6.39	6.36
15.3250	6.34	6.31	6.29	6.27	6.24
15.3875	6.22	6.19	6.17	6.14	6.12
15.4500	6.10	6.07	6.05	6.02	6.00
15.5125	5.98	5.95	5.93	5.90	5.88
15.5750	5.85	5.83	5.81	5.78	5.76
15.6375	5.73	5.71	5.68	5.66	5.64
15.7000	5.61	5.59	5.56	5.54	5.52
15.7625	5.49	5.47	5.44	5.42	5.39
15.8250	5.37	5.35	5.32	5.30	5.27
15.8875	5.25	5.22	5.20	5.18	5.15
15.9500	5.13	5.10	5.08	5.05	5.03
16.0125	5.01	4.98	4.96	4.93	4.91
16.0750	4.89	4.86	4.84	4.82	4.79
16.1375	4.77	4.75	4.73	4.70	4.68
16.2000	4.66	4.64	4.62	4.60	4.58
16.2625	4.56	4.55	4.53	4.51	4.49
16.3250	4.48	4.46	4.45	4.43	4.42
16.3875	4.40	4.39	4.38	4.36	4.35
16.4500	4.34	4.32	4.31	4.30	4.29
16.5125	4.27	4.26	4.25	4.24	4.23
16.5750	4.22	4.20	4.19	4.18	4.17
16.6375	4.16	4.15	4.14	4.13	4.12
16.7000	4.10	4.09	4.08	4.07	4.06
16.7625	4.05	4.04	4.03	4.02	4.01
16.8250	4.00	3.99	3.98	3.97	3.96
16.8875	3.94	3.93	3.92	3.91	3.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.9500	3.89	3.88	3.87	3.86	3.85
17.0125	3.84	3.83	3.82	3.81	3.80
17.0750	3.79	3.77	3.76	3.75	3.74
17.1375	3.73	3.72	3.71	3.70	3.69
17.2000	3.68	3.67	3.66	3.65	3.64
17.2625	3.63	3.62	3.61	3.60	3.58
17.3250	3.57	3.56	3.55	3.54	3.53
17.3875	3.52	3.51	3.50	3.49	3.48
17.4500	3.47	3.46	3.45	3.44	3.43
17.5125	3.41	3.40	3.39	3.38	3.37
17.5750	3.36	3.35	3.34	3.33	3.32
17.6375	3.31	3.30	3.29	3.28	3.27
17.7000	3.26	3.24	3.23	3.22	3.21
17.7625	3.20	3.19	3.18	3.17	3.16
17.8250	3.15	3.14	3.13	3.12	3.11
17.8875	3.10	3.09	3.07	3.06	3.05
17.9500	3.04	3.03	3.02	3.01	3.00
18.0125	2.99	2.98	2.97	2.96	2.95
18.0750	2.94	2.93	2.92	2.91	2.90
18.1375	2.89	2.88	2.87	2.86	2.85
18.2000	2.84	2.83	2.82	2.81	2.81
18.2625	2.80	2.79	2.78	2.78	2.77
18.3250	2.77	2.76	2.75	2.75	2.74
18.3875	2.74	2.73	2.73	2.72	2.72
18.4500	2.71	2.71	2.71	2.70	2.70
18.5125	2.69	2.69	2.69	2.68	2.68
18.5750	2.68	2.67	2.67	2.67	2.66
18.6375	2.66	2.65	2.65	2.65	2.64
18.7000	2.64	2.64	2.63	2.63	2.63
18.7625	2.62	2.62	2.62	2.62	2.61
18.8250	2.61	2.61	2.60	2.60	2.60
18.8875	2.59	2.59	2.59	2.58	2.58
18.9500	2.58	2.57	2.57	2.57	2.56
19.0125	2.56	2.56	2.55	2.55	2.55
19.0750	2.54	2.54	2.54	2.54	2.53
19.1375	2.53	2.53	2.52	2.52	2.52
19.2000	2.51	2.51	2.51	2.50	2.50
19.2625	2.50	2.49	2.49	2.49	2.48
19.3250	2.48	2.48	2.48	2.47	2.47
19.3875	2.47	2.46	2.46	2.46	2.45
19.4500	2.45	2.45	2.44	2.44	2.44
19.5125	2.43	2.43	2.43	2.42	2.42
19.5750	2.42	2.41	2.41	2.41	2.41
19.6375	2.40	2.40	2.40	2.39	2.39
19.7000	2.39	2.38	2.38	2.38	2.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.7625	2.37	2.37	2.36	2.36	2.36
19.8250	2.35	2.35	2.35	2.34	2.34
19.8875	2.34	2.34	2.33	2.33	2.33
19.9500	2.32	2.32	2.32	2.31	2.31
20.0125	2.31	2.30	2.30	2.30	2.29
20.0750	2.29	2.29	2.28	2.28	2.28
20.1375	2.27	2.27	2.27	2.27	2.26
20.2000	2.26	2.26	2.25	2.25	2.25
20.2625	2.25	2.24	2.24	2.24	2.24
20.3250	2.23	2.23	2.23	2.23	2.22
20.3875	2.22	2.22	2.21	2.21	2.21
20.4500	2.21	2.20	2.20	2.20	2.20
20.5125	2.19	2.19	2.19	2.19	2.18
20.5750	2.18	2.18	2.18	2.17	2.17
20.6375	2.17	2.17	2.16	2.16	2.16
20.7000	2.16	2.15	2.15	2.15	2.15
20.7625	2.14	2.14	2.14	2.14	2.13
20.8250	2.13	2.13	2.13	2.12	2.12
20.8875	2.12	2.12	2.11	2.11	2.11
20.9500	2.11	2.11	2.10	2.10	2.10
21.0125	2.10	2.09	2.09	2.09	2.09
21.0750	2.08	2.08	2.08	2.08	2.08
21.1375	2.07	2.07	2.07	2.07	2.06
21.2000	2.06	2.06	2.06	2.06	2.05
21.2625	2.05	2.05	2.04	2.04	2.04
21.3250	2.04	2.04	2.03	2.03	2.03
21.3875	2.03	2.02	2.02	2.02	2.02
21.4500	2.01	2.01	2.01	2.01	2.00
21.5125	2.00	2.00	2.00	1.99	1.99
21.5750	1.99	1.99	1.98	1.98	1.98
21.6375	1.98	1.97	1.97	1.97	1.97
21.7000	1.96	1.96	1.96	1.96	1.95
21.7625	1.95	1.95	1.95	1.95	1.94
21.8250	1.94	1.94	1.94	1.93	1.93
21.8875	1.93	1.93	1.93	1.92	1.92
21.9500	1.92	1.92	1.91	1.91	1.91
22.0125	1.91	1.90	1.90	1.90	1.90
22.0750	1.89	1.89	1.89	1.89	1.88
22.1375	1.88	1.88	1.88	1.87	1.87
22.2000	1.87	1.87	1.87	1.86	1.86
22.2625	1.86	1.86	1.85	1.85	1.85
22.3250	1.85	1.84	1.84	1.84	1.83
22.3875	1.83	1.83	1.83	1.82	1.82
22.4500	1.82	1.82	1.81	1.81	1.81
22.5125	1.81	1.81	1.80	1.80	1.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.5750	1.80	1.79	1.79	1.79	1.79
22.6375	1.78	1.78	1.78	1.78	1.78
22.7000	1.77	1.77	1.77	1.77	1.77
22.7625	1.76	1.76	1.76	1.76	1.75
22.8250	1.75	1.75	1.75	1.74	1.74
22.8875	1.74	1.74	1.73	1.73	1.73
22.9500	1.73	1.72	1.72	1.72	1.72
23.0125	1.71	1.71	1.71	1.71	1.70
23.0750	1.70	1.70	1.70	1.69	1.69
23.1375	1.69	1.69	1.68	1.68	1.68
23.2000	1.68	1.67	1.67	1.67	1.67
23.2625	1.66	1.66	1.66	1.66	1.65
23.3250	1.65	1.65	1.65	1.64	1.64
23.3875	1.64	1.64	1.64	1.63	1.63
23.4500	1.63	1.63	1.62	1.62	1.62
23.5125	1.62	1.62	1.61	1.61	1.61
23.5750	1.61	1.60	1.60	1.60	1.60
23.6375	1.59	1.59	1.59	1.59	1.58
23.7000	1.58	1.58	1.58	1.57	1.57
23.7625	1.57	1.57	1.56	1.56	1.56
23.8250	1.56	1.55	1.55	1.55	1.55
23.8875	1.55	1.54	1.54	1.54	1.54
23.9500	1.53	1.53	1.53	1.52	1.52
24.0125	1.52	1.51	1.51	1.50	1.49
24.0750	1.48	1.46	1.44	1.42	1.39
24.1375	1.35	1.31	1.27	1.22	1.17
24.2000	1.11	1.06	1.00	.94	.88
24.2625	.82	.77	.71	.66	.61
24.3250	.56	.52	.48	.44	.40
24.3875	.37	.34	.31	.28	.26
24.4500	.23	.21	.19	.17	.16
24.5125	.14	.13	.12	.11	.10
24.5750	.09	.08	.07	.06	.06
24.6375	.05	.05	.04	.04	.03
24.7000	.03	.03	.02	.02	.02
24.7625	.02	.02	.01	.01	.01
24.8250	.01	.01	.01	.01	.01
24.8875	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB AA OUTLET    WQBASIN AA   IN   work_pad.hyg  WQB AA OUTLET  10
=====

```

```

INFLOWS TO:  DB AA      IN
-----
HYG file     HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg WQB AA OUTLET  10           657197      12.2125     181.84

```

```

TOTAL FLOW INTO:  DB AA      IN
-----
HYG file     HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg DB AA      IN   10           657197      12.2125     181.84

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA IN

HYG Tag = 10

 Peak Discharge = 181.84 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 657197 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

11.8125	.00	4.03	12.87	23.46	34.43
11.8750	43.13	51.18	57.63	62.95	67.68
11.9375	72.41	76.77	81.07	85.54	90.16
12.0000	95.27	101.07	107.08	113.34	119.89
12.0625	126.85	133.95	140.90	147.68	154.08
12.1250	160.36	166.08	170.95	175.04	178.32
12.1875	180.45	181.62	181.84	180.95	179.23
12.2500	176.79	173.63	169.98	165.94	161.53
12.3125	156.89	152.26	147.60	142.84	138.13
12.3750	133.54	129.06	124.73	120.68	116.81
12.4375	112.98	109.21	105.49	101.85	98.28
12.5000	94.77	91.48	88.29	85.10	81.93
12.5625	78.79	75.70	72.71	69.77	66.92
12.6250	64.44	61.95	59.52	57.17	54.90
12.6875	52.73	50.69	48.75	46.94	45.24
12.7500	43.65	42.33	41.09	39.90	38.77
12.8125	37.70	36.69	35.75	34.86	34.03
12.8750	33.25	32.51	31.81	31.16	30.54
12.9375	29.96	29.40	28.87	28.37	27.89
13.0000	27.43	26.98	26.56	26.14	25.75
13.0625	25.36	24.99	24.63	24.28	23.94
13.1250	23.62	23.37	23.11	22.86	22.60
13.1875	22.35	22.11	21.88	21.66	21.44
13.2500	21.23	21.04	20.85	20.67	20.50
13.3125	20.34	20.19	20.04	19.90	19.77
13.3750	19.64	19.52	19.40	19.29	19.18
13.4375	19.07	18.96	18.86	18.76	18.66
13.5000	18.57	18.47	18.38	18.29	18.20
13.5625	18.11	18.02	17.94	17.85	17.76
13.6250	17.68	17.59	17.51	17.42	17.34
13.6875	17.25	17.17	17.08	17.00	16.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.7500	16.83	16.75	16.67	16.59	16.50
13.8125	16.42	16.34	16.26	16.18	16.10
13.8750	16.01	15.93	15.85	15.77	15.69
13.9375	15.61	15.52	15.44	15.36	15.28
14.0000	15.20	15.12	15.04	14.96	14.87
14.0625	14.79	14.71	14.63	14.56	14.48
14.1250	14.40	14.33	14.25	14.18	14.11
14.1875	14.04	13.97	13.90	13.84	13.77
14.2500	13.71	13.65	13.60	13.54	13.49
14.3125	13.44	13.38	13.33	13.28	13.24
14.3750	13.19	13.14	13.10	13.05	13.01
14.4375	12.96	12.92	12.88	12.84	12.79
14.5000	12.75	12.71	12.67	12.63	12.59
14.5625	12.55	12.51	12.47	12.43	12.39
14.6250	12.35	12.31	12.26	12.23	12.19
14.6875	12.15	12.11	12.07	12.03	11.99
14.7500	11.95	11.91	11.87	11.83	11.79
14.8125	11.75	11.71	11.67	11.63	11.60
14.8750	11.56	11.52	11.48	11.44	11.40
14.9375	11.36	11.32	11.28	11.24	11.20
15.0000	11.16	11.12	11.09	11.05	11.01
15.0625	10.97	10.93	10.89	10.85	10.81
15.1250	10.77	10.73	10.69	10.65	10.61
15.1875	10.57	10.53	10.49	10.46	10.42
15.2500	10.38	10.34	10.30	10.26	10.22
15.3125	10.18	10.14	10.10	10.06	10.02
15.3750	9.98	9.95	9.91	9.87	9.83
15.4375	9.79	9.75	9.71	9.67	9.63
15.5000	9.59	9.55	9.51	9.47	9.43
15.5625	9.39	9.35	9.31	9.27	9.23
15.6250	9.20	9.16	9.12	9.08	9.04
15.6875	9.00	8.96	8.92	8.88	8.84
15.7500	8.80	8.76	8.72	8.68	8.64
15.8125	8.61	8.57	8.53	8.49	8.45
15.8750	8.41	8.37	8.34	8.31	8.29
15.9375	8.26	8.23	8.20	8.17	8.14
16.0000	8.10	8.07	8.03	8.00	7.96
16.0625	7.93	7.89	7.85	7.82	7.78
16.1250	7.75	7.71	7.67	7.64	7.61
16.1875	7.57	7.54	7.51	7.47	7.44
16.2500	7.41	7.38	7.35	7.33	7.30
16.3125	7.27	7.25	7.22	7.19	7.17
16.3750	7.15	7.12	7.10	7.08	7.06
16.4375	7.04	7.01	6.99	6.97	6.95
16.5000	6.93	6.91	6.89	6.88	6.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.5625	6.84	6.82	6.80	6.78	6.76
16.6250	6.75	6.73	6.71	6.69	6.67
16.6875	6.66	6.64	6.62	6.60	6.59
16.7500	6.57	6.55	6.53	6.52	6.50
16.8125	6.48	6.46	6.45	6.43	6.41
16.8750	6.39	6.38	6.36	6.34	6.33
16.9375	6.31	6.29	6.27	6.26	6.24
17.0000	6.22	6.21	6.19	6.17	6.15
17.0625	6.14	6.12	6.10	6.08	6.07
17.1250	6.05	6.03	6.02	6.00	5.98
17.1875	5.96	5.95	5.93	5.91	5.90
17.2500	5.88	5.86	5.84	5.83	5.81
17.3125	5.79	5.78	5.76	5.74	5.72
17.3750	5.71	5.69	5.67	5.65	5.64
17.4375	5.62	5.60	5.59	5.57	5.55
17.5000	5.53	5.52	5.50	5.48	5.47
17.5625	5.45	5.43	5.41	5.40	5.38
17.6250	5.36	5.35	5.33	5.31	5.29
17.6875	5.28	5.26	5.24	5.22	5.21
17.7500	5.19	5.17	5.16	5.14	5.12
17.8125	5.10	5.09	5.07	5.05	5.04
17.8750	5.02	5.00	4.98	4.97	4.95
17.9375	4.93	4.91	4.90	4.88	4.86
18.0000	4.85	4.83	4.81	4.79	4.78
18.0625	4.76	4.74	4.73	4.71	4.69
18.1250	4.68	4.66	4.64	4.63	4.61
18.1875	4.60	4.58	4.57	4.56	4.54
18.2500	4.53	4.52	4.51	4.50	4.48
18.3125	4.47	4.46	4.46	4.45	4.44
18.3750	4.43	4.42	4.41	4.40	4.40
18.4375	4.39	4.38	4.38	4.37	4.36
18.5000	4.36	4.35	4.34	4.34	4.33
18.5625	4.33	4.32	4.31	4.31	4.30
18.6250	4.30	4.29	4.29	4.28	4.27
18.6875	4.27	4.26	4.26	4.25	4.25
18.7500	4.24	4.24	4.23	4.23	4.22
18.8125	4.22	4.21	4.21	4.20	4.19
18.8750	4.19	4.18	4.18	4.17	4.17
18.9375	4.16	4.16	4.15	4.15	4.14
19.0000	4.14	4.13	4.13	4.12	4.12
19.0625	4.11	4.11	4.10	4.10	4.09
19.1250	4.09	4.08	4.08	4.07	4.07
19.1875	4.06	4.06	4.05	4.04	4.04
19.2500	4.03	4.03	4.02	4.02	4.01
19.3125	4.01	4.00	4.00	3.99	3.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3750	3.98	3.98	3.97	3.97	3.96
19.4375	3.96	3.95	3.95	3.94	3.94
19.5000	3.93	3.93	3.92	3.92	3.91
19.5625	3.91	3.90	3.90	3.89	3.89
19.6250	3.88	3.87	3.87	3.86	3.86
19.6875	3.85	3.85	3.84	3.84	3.83
19.7500	3.83	3.82	3.82	3.81	3.81
19.8125	3.80	3.80	3.79	3.79	3.78
19.8750	3.78	3.77	3.77	3.76	3.76
19.9375	3.75	3.75	3.74	3.74	3.73
20.0000	3.73	3.72	3.71	3.71	3.70
20.0625	3.70	3.69	3.69	3.68	3.68
20.1250	3.67	3.67	3.66	3.66	3.65
20.1875	3.65	3.64	3.64	3.63	3.63
20.2500	3.63	3.62	3.62	3.61	3.61
20.3125	3.60	3.60	3.60	3.59	3.59
20.3750	3.58	3.58	3.58	3.57	3.57
20.4375	3.56	3.56	3.55	3.55	3.55
20.5000	3.54	3.54	3.53	3.53	3.52
20.5625	3.52	3.52	3.51	3.51	3.50
20.6250	3.50	3.50	3.49	3.49	3.49
20.6875	3.48	3.48	3.47	3.47	3.47
20.7500	3.46	3.46	3.45	3.45	3.44
20.8125	3.44	3.44	3.43	3.43	3.42
20.8750	3.42	3.42	3.41	3.41	3.40
20.9375	3.40	3.40	3.39	3.39	3.39
21.0000	3.38	3.38	3.37	3.37	3.37
21.0625	3.36	3.36	3.36	3.35	3.35
21.1250	3.35	3.34	3.34	3.34	3.33
21.1875	3.33	3.32	3.32	3.32	3.31
21.2500	3.31	3.30	3.30	3.30	3.29
21.3125	3.29	3.28	3.28	3.28	3.27
21.3750	3.27	3.26	3.26	3.26	3.25
21.4375	3.25	3.24	3.24	3.24	3.23
21.5000	3.23	3.23	3.22	3.22	3.21
21.5625	3.21	3.20	3.20	3.20	3.19
21.6250	3.19	3.18	3.18	3.18	3.17
21.6875	3.17	3.16	3.16	3.16	3.15
21.7500	3.15	3.15	3.14	3.14	3.13
21.8125	3.13	3.13	3.12	3.12	3.12
21.8750	3.11	3.11	3.11	3.10	3.10
21.9375	3.09	3.09	3.09	3.08	3.08
22.0000	3.08	3.07	3.07	3.06	3.06
22.0625	3.06	3.05	3.05	3.04	3.04
22.1250	3.04	3.03	3.03	3.02	3.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.1875	3.02	3.01	3.01	3.00	3.00
22.2500	3.00	2.99	2.99	2.98	2.98
22.3125	2.98	2.97	2.97	2.96	2.96
22.3750	2.96	2.95	2.95	2.94	2.94
22.4375	2.94	2.93	2.93	2.92	2.92
22.5000	2.92	2.91	2.91	2.90	2.90
22.5625	2.90	2.89	2.89	2.89	2.88
22.6250	2.88	2.87	2.87	2.87	2.86
22.6875	2.86	2.86	2.85	2.85	2.85
22.7500	2.84	2.84	2.84	2.83	2.83
22.8125	2.82	2.82	2.82	2.81	2.81
22.8750	2.80	2.80	2.80	2.79	2.79
22.9375	2.78	2.78	2.78	2.77	2.77
23.0000	2.76	2.76	2.76	2.75	2.75
23.0625	2.74	2.74	2.74	2.73	2.73
23.1250	2.72	2.72	2.72	2.71	2.71
23.1875	2.70	2.70	2.69	2.69	2.69
23.2500	2.68	2.68	2.67	2.67	2.67
23.3125	2.66	2.66	2.66	2.65	2.65
23.3750	2.64	2.64	2.64	2.63	2.63
23.4375	2.63	2.62	2.62	2.62	2.61
23.5000	2.61	2.61	2.60	2.60	2.59
23.5625	2.59	2.59	2.58	2.58	2.57
23.6250	2.57	2.57	2.56	2.56	2.55
23.6875	2.55	2.55	2.54	2.54	2.53
23.7500	2.53	2.53	2.52	2.52	2.51
23.8125	2.51	2.51	2.50	2.50	2.50
23.8750	2.49	2.49	2.48	2.48	2.48
23.9375	2.47	2.47	2.46	2.46	2.45
24.0000	2.45	2.44	2.44	2.43	2.42
24.0625	2.40	2.38	2.36	2.32	2.28
24.1250	2.23	2.18	2.11	2.04	1.96
24.1875	1.88	1.79	1.70	1.61	1.51
24.2500	1.42	1.33	1.24	1.15	1.06
24.3125	.98	.91	.84	.77	.71
24.3750	.65	.59	.54	.49	.45
24.4375	.41	.37	.34	.31	.28
24.5000	.26	.23	.21	.19	.17
24.5625	.16	.14	.13	.11	.10
24.6250	.09	.08	.07	.07	.06
24.6875	.05	.05	.04	.04	.03
24.7500	.03	.03	.02	.02	.02
24.8125	.02	.01	.01	.01	.01
24.8750	.01	.01	.01	.01	.00
24.9375	.00	.00	.00	.00	

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB AA OUTLET    WQBASIN AA   IN   work_pad.hyg  WQB AA OUTLET  25
=====

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```

INFLOWS TO:  DB AA      IN
-----
HYG file     HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg WQB AA OUTLET  25           839185      12.2125     218.67

```

```

TOTAL FLOW INTO:  DB AA      IN
-----
HYG file     HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg DB AA      IN   25           839185      12.2125     218.67

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA IN

HYG Tag = 25

 Peak Discharge = 218.67 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 839185 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

11.4500	.00	.63	4.16	7.29	11.31
11.5125	15.31	18.51	21.11	23.25	25.39
11.5750	27.20	28.70	30.00	31.19	32.31
11.6375	33.43	34.58	35.77	37.04	38.42
11.7000	39.88	41.46	43.19	45.28	47.46
11.7625	49.71	52.02	54.43	56.94	59.54
11.8250	62.24	65.04	68.02	71.23	74.40
11.8875	77.58	80.85	84.19	87.70	91.48
11.9500	95.65	100.29	105.35	110.72	116.59
12.0125	123.11	130.46	138.08	146.00	154.10
12.0750	162.63	170.98	179.09	186.71	194.03
12.1375	200.77	206.47	211.23	215.01	217.38
12.2000	218.59	218.67	217.41	215.17	212.07
12.2625	208.12	203.61	198.64	193.25	187.66
12.3250	182.10	176.37	170.54	164.82	159.29
12.3875	153.92	148.96	144.09	139.29	134.60
12.4500	130.02	125.53	121.24	117.18	113.10
12.5125	109.06	105.05	101.10	97.23	93.42
12.5750	89.98	86.56	83.16	79.82	76.59
12.6375	73.44	70.42	67.55	64.98	62.58
12.7000	60.26	58.02	55.91	53.92	52.04
12.7625	50.29	48.67	47.15	45.75	44.44
12.8250	43.25	42.27	41.31	40.39	39.51
12.8875	38.67	37.87	37.11	36.39	35.70
12.9500	35.04	34.42	33.82	33.25	32.70
13.0125	32.17	31.66	31.17	30.69	30.23
13.0750	29.79	29.36	28.94	28.54	28.15
13.1375	27.78	27.42	27.07	26.74	26.43
13.2000	26.13	25.84	25.57	25.32	25.08
13.2625	24.85	24.63	24.42	24.23	24.05
13.3250	23.87	23.71	23.56	23.44	23.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.3875	23.19	23.06	22.94	22.81	22.69
13.4500	22.57	22.46	22.34	22.23	22.12
13.5125	22.01	21.90	21.79	21.68	21.57
13.5750	21.47	21.37	21.26	21.16	21.06
13.6375	20.96	20.85	20.75	20.65	20.55
13.7000	20.45	20.35	20.25	20.15	20.05
13.7625	19.95	19.85	19.76	19.66	19.56
13.8250	19.46	19.36	19.27	19.17	19.07
13.8875	18.97	18.88	18.78	18.68	18.59
13.9500	18.49	18.39	18.29	18.20	18.10
14.0125	18.00	17.91	17.81	17.71	17.62
14.0750	17.52	17.43	17.33	17.24	17.15
14.1375	17.06	16.97	16.88	16.80	16.71
14.2000	16.63	16.55	16.48	16.40	16.33
14.2625	16.26	16.19	16.12	16.06	16.00
14.3250	15.93	15.87	15.82	15.76	15.70
14.3875	15.65	15.59	15.54	15.49	15.43
14.4500	15.38	15.33	15.28	15.23	15.18
14.5125	15.13	15.08	15.03	14.98	14.94
14.5750	14.89	14.84	14.79	14.74	14.69
14.6375	14.65	14.60	14.55	14.50	14.46
14.7000	14.41	14.36	14.32	14.27	14.22
14.7625	14.17	14.13	14.08	14.03	13.99
14.8250	13.94	13.89	13.85	13.80	13.75
14.8875	13.71	13.66	13.61	13.57	13.52
14.9500	13.47	13.43	13.38	13.33	13.29
15.0125	13.24	13.19	13.14	13.10	13.05
15.0750	13.00	12.96	12.91	12.86	12.82
15.1375	12.77	12.72	12.68	12.63	12.58
15.2000	12.53	12.49	12.44	12.39	12.35
15.2625	12.30	12.25	12.21	12.16	12.11
15.3250	12.07	12.02	11.97	11.93	11.88
15.3875	11.83	11.79	11.74	11.69	11.65
15.4500	11.60	11.55	11.50	11.46	11.41
15.5125	11.36	11.32	11.27	11.22	11.17
15.5750	11.13	11.08	11.03	10.99	10.94
15.6375	10.89	10.85	10.80	10.75	10.70
15.7000	10.66	10.61	10.56	10.52	10.47
15.7625	10.42	10.38	10.33	10.28	10.24
15.8250	10.19	10.14	10.10	10.05	10.00
15.8875	9.95	9.91	9.86	9.81	9.77
15.9500	9.72	9.67	9.62	9.58	9.53
16.0125	9.48	9.44	9.39	9.34	9.30
16.0750	9.25	9.21	9.16	9.12	9.07
16.1375	9.03	8.99	8.95	8.91	8.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2000	8.83	8.80	8.76	8.72	8.69
16.2625	8.66	8.62	8.59	8.56	8.53
16.3250	8.50	8.48	8.45	8.42	8.40
16.3875	8.37	8.35	8.33	8.32	8.30
16.4500	8.29	8.27	8.25	8.23	8.21
16.5125	8.19	8.17	8.15	8.13	8.11
16.5750	8.09	8.07	8.05	8.03	8.01
16.6375	7.99	7.97	7.95	7.93	7.91
16.7000	7.89	7.87	7.85	7.83	7.81
16.7625	7.79	7.77	7.75	7.73	7.71
16.8250	7.69	7.67	7.65	7.62	7.60
16.8875	7.58	7.56	7.54	7.52	7.50
16.9500	7.48	7.46	7.44	7.42	7.40
17.0125	7.38	7.36	7.34	7.32	7.30
17.0750	7.28	7.26	7.24	7.21	7.19
17.1375	7.17	7.15	7.13	7.11	7.09
17.2000	7.07	7.05	7.03	7.01	6.99
17.2625	6.97	6.95	6.93	6.91	6.89
17.3250	6.87	6.85	6.83	6.81	6.78
17.3875	6.76	6.74	6.72	6.70	6.68
17.4500	6.66	6.64	6.62	6.60	6.58
17.5125	6.56	6.54	6.52	6.50	6.48
17.5750	6.46	6.44	6.42	6.40	6.38
17.6375	6.36	6.34	6.31	6.29	6.27
17.7000	6.25	6.23	6.21	6.19	6.17
17.7625	6.15	6.13	6.11	6.09	6.07
17.8250	6.05	6.03	6.01	5.99	5.97
17.8875	5.95	5.92	5.90	5.88	5.86
17.9500	5.84	5.82	5.80	5.78	5.76
18.0125	5.74	5.72	5.70	5.68	5.66
18.0750	5.64	5.62	5.60	5.58	5.56
18.1375	5.54	5.52	5.50	5.48	5.47
18.2000	5.45	5.43	5.42	5.40	5.39
18.2625	5.37	5.36	5.34	5.33	5.32
18.3250	5.31	5.30	5.29	5.27	5.26
18.3875	5.25	5.25	5.24	5.23	5.22
18.4500	5.21	5.20	5.19	5.19	5.18
18.5125	5.17	5.16	5.16	5.15	5.14
18.5750	5.13	5.13	5.12	5.11	5.11
18.6375	5.10	5.09	5.09	5.08	5.07
18.7000	5.07	5.06	5.06	5.05	5.04
18.7625	5.04	5.03	5.02	5.02	5.01
18.8250	5.00	5.00	4.99	4.99	4.98
18.8875	4.97	4.97	4.96	4.96	4.95
18.9500	4.94	4.94	4.93	4.92	4.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0125	4.91	4.91	4.90	4.89	4.89
19.0750	4.88	4.88	4.87	4.86	4.86
19.1375	4.85	4.84	4.84	4.83	4.83
19.2000	4.82	4.81	4.81	4.80	4.80
19.2625	4.79	4.78	4.78	4.77	4.76
19.3250	4.76	4.75	4.75	4.74	4.73
19.3875	4.73	4.72	4.72	4.71	4.70
19.4500	4.70	4.69	4.69	4.68	4.67
19.5125	4.67	4.66	4.65	4.65	4.64
19.5750	4.64	4.63	4.62	4.62	4.61
19.6375	4.61	4.60	4.59	4.59	4.58
19.7000	4.57	4.57	4.56	4.56	4.55
19.7625	4.54	4.54	4.53	4.53	4.52
19.8250	4.51	4.51	4.50	4.49	4.49
19.8875	4.48	4.48	4.47	4.46	4.46
19.9500	4.45	4.45	4.44	4.43	4.43
20.0125	4.42	4.41	4.41	4.40	4.40
20.0750	4.39	4.38	4.38	4.37	4.37
20.1375	4.36	4.35	4.35	4.34	4.34
20.2000	4.33	4.32	4.32	4.31	4.31
20.2625	4.30	4.30	4.29	4.29	4.28
20.3250	4.28	4.27	4.27	4.26	4.26
20.3875	4.25	4.25	4.24	4.24	4.23
20.4500	4.23	4.22	4.22	4.21	4.21
20.5125	4.20	4.20	4.19	4.19	4.18
20.5750	4.18	4.17	4.17	4.17	4.16
20.6375	4.16	4.15	4.15	4.14	4.14
20.7000	4.13	4.13	4.12	4.12	4.11
20.7625	4.11	4.10	4.10	4.09	4.09
20.8250	4.08	4.08	4.07	4.07	4.06
20.8875	4.06	4.05	4.05	4.05	4.04
20.9500	4.04	4.03	4.03	4.02	4.02
21.0125	4.01	4.01	4.01	4.00	4.00
21.0750	3.99	3.99	3.99	3.98	3.98
21.1375	3.97	3.97	3.96	3.96	3.95
21.2000	3.95	3.95	3.94	3.94	3.93
21.2625	3.93	3.92	3.92	3.91	3.91
21.3250	3.90	3.90	3.89	3.89	3.88
21.3875	3.88	3.87	3.87	3.87	3.86
21.4500	3.86	3.85	3.85	3.84	3.84
21.5125	3.83	3.83	3.82	3.82	3.81
21.5750	3.81	3.80	3.80	3.79	3.79
21.6375	3.78	3.78	3.77	3.77	3.76
21.7000	3.76	3.76	3.75	3.75	3.74
21.7625	3.74	3.73	3.73	3.72	3.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8250	3.72	3.71	3.71	3.70	3.70
21.8875	3.69	3.69	3.69	3.68	3.68
21.9500	3.67	3.67	3.66	3.66	3.65
22.0125	3.65	3.65	3.64	3.64	3.63
22.0750	3.63	3.62	3.62	3.61	3.61
22.1375	3.60	3.60	3.59	3.59	3.58
22.2000	3.58	3.57	3.57	3.57	3.56
22.2625	3.56	3.55	3.55	3.54	3.54
22.3250	3.53	3.53	3.52	3.52	3.51
22.3875	3.51	3.50	3.50	3.49	3.49
22.4500	3.48	3.48	3.47	3.47	3.46
22.5125	3.46	3.46	3.45	3.45	3.44
22.5750	3.44	3.43	3.43	3.42	3.42
22.6375	3.42	3.41	3.41	3.40	3.40
22.7000	3.39	3.39	3.39	3.38	3.38
22.7625	3.37	3.37	3.36	3.36	3.35
22.8250	3.35	3.35	3.34	3.34	3.33
22.8875	3.33	3.32	3.32	3.31	3.31
22.9500	3.30	3.30	3.29	3.29	3.28
23.0125	3.28	3.27	3.27	3.27	3.26
23.0750	3.26	3.25	3.25	3.24	3.24
23.1375	3.23	3.23	3.22	3.22	3.21
23.2000	3.21	3.20	3.20	3.19	3.19
23.2625	3.18	3.18	3.17	3.17	3.16
23.3250	3.16	3.16	3.15	3.15	3.14
23.3875	3.14	3.13	3.13	3.12	3.12
23.4500	3.12	3.11	3.11	3.10	3.10
23.5125	3.09	3.09	3.09	3.08	3.08
23.5750	3.07	3.07	3.06	3.06	3.05
23.6375	3.05	3.04	3.04	3.03	3.03
23.7000	3.02	3.02	3.02	3.01	3.01
23.7625	3.00	3.00	2.99	2.99	2.98
23.8250	2.98	2.97	2.97	2.96	2.96
23.8875	2.96	2.95	2.95	2.94	2.94
23.9500	2.93	2.93	2.92	2.92	2.91
24.0125	2.90	2.90	2.88	2.87	2.85
24.0750	2.83	2.80	2.76	2.71	2.65
24.1375	2.59	2.51	2.43	2.33	2.23
24.2000	2.13	2.02	1.91	1.80	1.69
24.2625	1.58	1.47	1.36	1.26	1.17
24.3250	1.08	.99	.91	.84	.77
24.3875	.70	.64	.59	.54	.49
24.4500	.45	.40	.37	.33	.30
24.5125	.28	.25	.23	.20	.18
24.5750	.17	.15	.14	.12	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6375	.10	.09	.08	.07	.06
24.7000	.06	.05	.05	.04	.04
24.7625	.03	.03	.03	.02	.02
24.8250	.02	.02	.01	.01	.01
24.8875	.01	.01	.01	.01	.01
24.9500	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB AA OUTLET    WQBASIN AA    IN    work_pad.hyg  WQB AA OUTLET  50
=====

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INFLOWS TO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  WQB AA OUTLET  50             930484      12.2000     237.06

```

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TOTAL FLOW INTO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  DB AA          IN    50             930484      12.2000     237.06

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA IN

HYG Tag = 50

 Peak Discharge = 237.06 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 930484 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
11.2250	.00	.36	3.46	6.20	8.84
11.2875	12.52	15.47	17.84	19.76	21.33
11.3500	22.64	23.76	24.91	25.85	26.63
11.4125	27.29	27.88	28.41	28.90	29.35
11.4750	29.79	30.21	30.63	31.05	31.48
11.5375	31.92	32.40	32.90	33.45	34.05
11.6000	34.72	35.47	36.30	37.23	38.28
11.6625	39.43	40.70	42.12	43.69	45.61
11.7250	47.65	49.77	52.01	54.37	56.83
11.7875	59.40	62.10	64.91	67.93	71.24
11.8500	74.54	77.86	81.19	84.57	88.07
11.9125	91.66	95.61	99.96	104.47	109.33
11.9750	114.70	120.45	127.03	134.38	142.09
12.0375	150.18	158.88	167.96	176.93	185.78
12.1000	194.70	203.13	210.88	217.96	224.00
12.1625	229.21	233.33	235.84	237.06	237.03
12.2250	235.54	232.99	229.52	225.15	220.36
12.2875	215.02	209.20	203.09	196.82	190.45
12.3500	184.26	178.20	172.27	166.46	160.84
12.4125	155.42	150.37	145.42	140.54	135.72
12.4750	131.00	126.37	121.87	117.67	113.43
12.5375	109.22	105.07	100.98	96.98	93.12
12.6000	89.60	86.10	82.67	79.31	76.07
12.6625	72.98	70.02	67.22	64.80	62.49
12.7250	60.28	58.17	56.17	54.31	52.56
12.7875	50.93	49.42	48.02	46.71	45.50
12.8500	44.37	43.32	42.46	41.61	40.80
12.9125	40.01	39.25	38.52	37.83	37.16
12.9750	36.52	35.91	35.32	34.75	34.20
13.0375	33.67	33.16	32.66	32.18	31.72
13.1000	31.27	30.83	30.42	30.01	29.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1625	29.25	28.89	28.55	28.23	27.92
13.2250	27.63	27.35	27.09	26.84	26.61
13.2875	26.38	26.17	25.98	25.79	25.61
13.3500	25.44	25.27	25.11	24.96	24.82
13.4125	24.67	24.54	24.40	24.27	24.14
13.4750	24.02	23.90	23.78	23.66	23.56
13.5375	23.46	23.36	23.26	23.15	23.05
13.6000	22.94	22.84	22.73	22.62	22.51
13.6625	22.41	22.30	22.19	22.08	21.98
13.7250	21.87	21.76	21.66	21.55	21.44
13.7875	21.34	21.23	21.12	21.02	20.91
13.8500	20.81	20.70	20.60	20.49	20.39
13.9125	20.28	20.18	20.07	19.97	19.86
13.9750	19.76	19.65	19.55	19.44	19.34
14.0375	19.23	19.13	19.02	18.92	18.82
14.1000	18.72	18.62	18.52	18.42	18.32
14.1625	18.23	18.14	18.05	17.96	17.87
14.2250	17.79	17.71	17.63	17.55	17.48
14.2875	17.41	17.34	17.27	17.21	17.14
14.3500	17.08	17.01	16.95	16.89	16.84
14.4125	16.78	16.72	16.66	16.61	16.55
14.4750	16.50	16.45	16.39	16.34	16.28
14.5375	16.23	16.18	16.13	16.07	16.02
14.6000	15.97	15.92	15.87	15.81	15.76
14.6625	15.71	15.66	15.61	15.56	15.51
14.7250	15.46	15.41	15.35	15.30	15.25
14.7875	15.20	15.15	15.10	15.05	15.00
14.8500	14.95	14.90	14.85	14.80	14.75
14.9125	14.70	14.65	14.60	14.55	14.50
14.9750	14.44	14.39	14.34	14.29	14.24
15.0375	14.19	14.14	14.09	14.04	13.99
15.1000	13.94	13.89	13.84	13.79	13.73
15.1625	13.68	13.63	13.58	13.53	13.48
15.2250	13.43	13.38	13.33	13.28	13.23
15.2875	13.18	13.13	13.08	13.03	12.98
15.3500	12.93	12.88	12.82	12.77	12.72
15.4125	12.67	12.62	12.57	12.52	12.47
15.4750	12.42	12.37	12.32	12.27	12.22
15.5375	12.17	12.11	12.06	12.01	11.96
15.6000	11.91	11.86	11.81	11.76	11.71
15.6625	11.66	11.61	11.56	11.51	11.45
15.7250	11.40	11.35	11.30	11.25	11.20
15.7875	11.15	11.10	11.05	11.00	10.95
15.8500	10.90	10.85	10.80	10.75	10.69
15.9125	10.64	10.59	10.54	10.49	10.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
15.9750	10.39	10.34	10.29	10.24	10.19
16.0375	10.14	10.09	10.04	9.99	9.94
16.1000	9.89	9.84	9.80	9.75	9.70
16.1625	9.66	9.62	9.58	9.53	9.49
16.2250	9.45	9.42	9.38	9.34	9.31
16.2875	9.28	9.24	9.21	9.18	9.15
16.3500	9.12	9.09	9.06	9.04	9.01
16.4125	8.99	8.96	8.93	8.91	8.88
16.4750	8.86	8.83	8.81	8.79	8.76
16.5375	8.74	8.72	8.69	8.67	8.65
16.6000	8.62	8.60	8.58	8.56	8.53
16.6625	8.51	8.49	8.47	8.44	8.42
16.7250	8.40	8.38	8.36	8.34	8.33
16.7875	8.31	8.30	8.28	8.26	8.24
16.8500	8.23	8.21	8.19	8.17	8.15
16.9125	8.13	8.11	8.09	8.07	8.04
16.9750	8.02	8.00	7.98	7.96	7.94
17.0375	7.92	7.89	7.87	7.85	7.83
17.1000	7.81	7.79	7.76	7.74	7.72
17.1625	7.70	7.68	7.65	7.63	7.61
17.2250	7.59	7.57	7.54	7.52	7.50
17.2875	7.48	7.46	7.43	7.41	7.39
17.3500	7.37	7.34	7.32	7.30	7.28
17.4125	7.26	7.23	7.21	7.19	7.17
17.4750	7.15	7.12	7.10	7.08	7.06
17.5375	7.04	7.01	6.99	6.97	6.95
17.6000	6.93	6.90	6.88	6.86	6.84
17.6625	6.82	6.79	6.77	6.75	6.73
17.7250	6.70	6.68	6.66	6.64	6.62
17.7875	6.59	6.57	6.55	6.53	6.51
17.8500	6.48	6.46	6.44	6.42	6.39
17.9125	6.37	6.35	6.33	6.31	6.28
17.9750	6.26	6.24	6.22	6.20	6.17
18.0375	6.15	6.13	6.11	6.09	6.06
18.1000	6.04	6.02	6.00	5.98	5.96
18.1625	5.94	5.92	5.90	5.88	5.86
18.2250	5.84	5.83	5.81	5.80	5.78
18.2875	5.77	5.75	5.74	5.73	5.72
18.3500	5.70	5.69	5.68	5.67	5.66
18.4125	5.65	5.64	5.63	5.62	5.61
18.4750	5.61	5.60	5.59	5.58	5.57
18.5375	5.56	5.56	5.55	5.54	5.53
18.6000	5.53	5.52	5.51	5.50	5.50
18.6625	5.49	5.48	5.48	5.47	5.46
18.7250	5.46	5.45	5.44	5.44	5.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.7875	5.42	5.41	5.41	5.40	5.39
18.8500	5.39	5.38	5.37	5.37	5.36
18.9125	5.35	5.35	5.34	5.33	5.33
18.9750	5.32	5.31	5.31	5.30	5.29
19.0375	5.29	5.28	5.27	5.27	5.26
19.1000	5.26	5.25	5.24	5.24	5.23
19.1625	5.22	5.22	5.21	5.20	5.19
19.2250	5.19	5.18	5.18	5.17	5.16
19.2875	5.16	5.15	5.14	5.14	5.13
19.3500	5.12	5.12	5.11	5.10	5.10
19.4125	5.09	5.08	5.08	5.07	5.06
19.4750	5.06	5.05	5.04	5.04	5.03
19.5375	5.02	5.02	5.01	5.00	5.00
19.6000	4.99	4.98	4.98	4.97	4.96
19.6625	4.96	4.95	4.94	4.94	4.93
19.7250	4.92	4.92	4.91	4.90	4.90
19.7875	4.89	4.88	4.88	4.87	4.86
19.8500	4.86	4.85	4.84	4.84	4.83
19.9125	4.82	4.82	4.81	4.80	4.80
19.9750	4.79	4.78	4.78	4.77	4.76
20.0375	4.76	4.75	4.74	4.74	4.73
20.1000	4.72	4.72	4.71	4.70	4.70
20.1625	4.69	4.69	4.68	4.67	4.67
20.2250	4.66	4.65	4.65	4.64	4.64
20.2875	4.63	4.63	4.62	4.62	4.61
20.3500	4.61	4.60	4.60	4.59	4.58
20.4125	4.58	4.57	4.57	4.56	4.56
20.4750	4.55	4.55	4.54	4.54	4.53
20.5375	4.52	4.52	4.51	4.51	4.50
20.6000	4.50	4.49	4.49	4.48	4.48
20.6625	4.47	4.47	4.46	4.46	4.45
20.7250	4.45	4.44	4.44	4.43	4.43
20.7875	4.42	4.42	4.41	4.41	4.40
20.8500	4.40	4.39	4.39	4.38	4.38
20.9125	4.37	4.37	4.36	4.36	4.35
20.9750	4.35	4.34	4.34	4.33	4.33
21.0375	4.32	4.32	4.31	4.31	4.30
21.1000	4.30	4.30	4.29	4.29	4.28
21.1625	4.28	4.27	4.27	4.26	4.26
21.2250	4.25	4.25	4.24	4.24	4.23
21.2875	4.23	4.22	4.22	4.21	4.21
21.3500	4.20	4.20	4.19	4.19	4.18
21.4125	4.18	4.17	4.17	4.16	4.16
21.4750	4.15	4.15	4.14	4.14	4.13
21.5375	4.12	4.12	4.11	4.11	4.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6000	4.10	4.09	4.09	4.08	4.08
21.6625	4.07	4.07	4.06	4.06	4.05
21.7250	4.05	4.04	4.04	4.03	4.03
21.7875	4.02	4.02	4.01	4.01	4.00
21.8500	4.00	3.99	3.99	3.99	3.98
21.9125	3.98	3.97	3.97	3.96	3.96
21.9750	3.95	3.95	3.94	3.94	3.93
22.0375	3.93	3.92	3.92	3.91	3.91
22.1000	3.90	3.90	3.89	3.89	3.88
22.1625	3.88	3.87	3.87	3.86	3.86
22.2250	3.85	3.85	3.84	3.84	3.83
22.2875	3.83	3.82	3.82	3.81	3.81
22.3500	3.80	3.80	3.79	3.78	3.78
22.4125	3.77	3.77	3.76	3.76	3.75
22.4750	3.75	3.74	3.74	3.73	3.73
22.5375	3.72	3.72	3.71	3.71	3.70
22.6000	3.70	3.69	3.69	3.69	3.68
22.6625	3.68	3.67	3.67	3.66	3.66
22.7250	3.65	3.65	3.64	3.64	3.63
22.7875	3.63	3.62	3.62	3.61	3.61
22.8500	3.60	3.60	3.59	3.59	3.58
22.9125	3.58	3.57	3.57	3.56	3.56
22.9750	3.55	3.55	3.54	3.54	3.53
23.0375	3.53	3.52	3.52	3.51	3.51
23.1000	3.50	3.50	3.49	3.49	3.48
23.1625	3.48	3.47	3.47	3.46	3.45
23.2250	3.45	3.44	3.44	3.43	3.43
23.2875	3.42	3.42	3.41	3.41	3.40
23.3500	3.40	3.39	3.39	3.39	3.38
23.4125	3.38	3.37	3.37	3.36	3.36
23.4750	3.35	3.35	3.34	3.34	3.33
23.5375	3.33	3.33	3.32	3.32	3.31
23.6000	3.31	3.30	3.30	3.29	3.28
23.6625	3.28	3.27	3.27	3.26	3.26
23.7250	3.25	3.25	3.24	3.24	3.23
23.7875	3.23	3.22	3.22	3.21	3.21
23.8500	3.20	3.20	3.19	3.19	3.18
23.9125	3.18	3.17	3.17	3.16	3.16
23.9750	3.15	3.15	3.14	3.13	3.12
24.0375	3.11	3.10	3.08	3.05	3.02
24.1000	2.98	2.92	2.86	2.79	2.71
24.1625	2.62	2.52	2.41	2.30	2.18
24.2250	2.06	1.94	1.82	1.70	1.58
24.2875	1.47	1.36	1.26	1.16	1.07
24.3500	.98	.90	.83	.76	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.4125	.63	.58	.53	.48	.44
24.4750	.40	.36	.33	.30	.27
24.5375	.24	.22	.20	.18	.16
24.6000	.15	.13	.12	.11	.10
24.6625	.09	.08	.07	.06	.06
24.7250	.05	.04	.04	.04	.03
24.7875	.03	.02	.02	.02	.02
24.8500	.01	.01	.01	.01	.01
24.9125	.01	.01	.01	.00	.00
24.9750	.00	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
WQB AA OUTLET    WQBASIN AA    IN    work_pad.hyg   WQB AA OUTLET  100
=====

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```

INFLOWS TO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag      Volume      Peak Time     Peak Flow
              HYG ID          HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg WQB AA OUTLET  100          1021935     12.2000     255.36

```

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TOTAL FLOW INTO:  DB AA          IN
-----
HYG file      HYG ID          HYG tag      Volume      Peak Time     Peak Flow
              HYG ID          HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg DB AA          IN    100          1021935     12.2000     255.36

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA IN

HYG Tag = 100

 Peak Discharge = 255.36 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 1021935 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
11.0000	.00	2.34	4.99	7.31	10.09
11.0625	13.04	15.38	17.23	18.71	19.90
11.1250	20.86	21.66	22.33	22.89	23.39
11.1875	23.87	24.35	24.78	25.16	25.52
11.2500	25.87	26.21	26.54	26.88	27.21
11.3125	27.56	27.90	28.26	28.62	28.99
11.3750	29.36	29.73	30.11	30.50	30.89
11.4375	31.28	31.68	32.08	32.49	32.89
11.5000	33.31	33.74	34.18	34.65	35.15
11.5625	35.68	36.28	36.92	37.63	38.44
11.6250	39.34	40.34	41.48	42.71	44.19
11.6875	45.92	47.73	49.67	51.78	54.02
11.7500	56.39	58.91	61.54	64.31	67.26
11.8125	70.58	73.93	77.34	80.80	84.31
11.8750	87.86	91.48	95.38	99.49	103.73
11.9375	108.25	113.01	118.18	124.01	130.54
12.0000	137.58	145.32	153.50	162.54	171.94
12.0625	181.48	191.09	200.91	210.38	219.23
12.1250	227.51	235.31	241.84	247.27	251.52
12.1875	254.12	255.36	255.28	253.64	250.86
12.2500	247.11	242.36	236.99	231.09	224.74
12.3125	218.33	211.67	204.86	197.99	191.27
12.3750	184.97	178.86	172.89	167.10	161.45
12.4375	155.95	150.80	145.75	140.75	135.81
12.5000	130.94	126.16	121.53	117.16	112.80
12.5625	108.46	104.19	100.04	95.97	92.13
12.6250	88.59	85.07	81.65	78.37	75.21
12.6875	72.21	69.40	66.74	64.49	62.32
12.7500	60.23	58.27	56.42	54.69	53.08
12.8125	51.58	50.17	48.88	47.66	46.53
12.8750	45.47	44.48	43.54	42.75	42.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.9375	41.27	40.55	39.86	39.19	38.54
13.0000	37.92	37.31	36.73	36.16	35.61
13.0625	35.08	34.57	34.07	33.59	33.12
13.1250	32.67	32.24	31.82	31.42	31.03
13.1875	30.67	30.32	29.99	29.67	29.38
13.2500	29.10	28.83	28.58	28.34	28.11
13.3125	27.90	27.70	27.50	27.32	27.14
13.3750	26.97	26.81	26.65	26.50	26.35
13.4375	26.21	26.07	25.93	25.80	25.67
13.5000	25.54	25.41	25.28	25.16	25.03
13.5625	24.91	24.79	24.67	24.55	24.43
13.6250	24.32	24.20	24.08	23.96	23.85
13.6875	23.73	23.61	23.52	23.42	23.32
13.7500	23.22	23.11	23.00	22.90	22.79
13.8125	22.67	22.56	22.45	22.34	22.23
13.8750	22.11	22.00	21.89	21.78	21.67
13.9375	21.55	21.44	21.33	21.21	21.10
14.0000	20.99	20.88	20.76	20.65	20.54
14.0625	20.43	20.32	20.21	20.10	19.99
14.1250	19.88	19.78	19.68	19.57	19.47
14.1875	19.38	19.28	19.19	19.10	19.02
14.2500	18.93	18.85	18.77	18.69	18.62
14.3125	18.55	18.47	18.40	18.34	18.27
14.3750	18.20	18.14	18.08	18.02	17.95
14.4375	17.89	17.83	17.77	17.72	17.66
14.5000	17.60	17.54	17.49	17.43	17.37
14.5625	17.31	17.26	17.20	17.15	17.09
14.6250	17.03	16.98	16.92	16.87	16.81
14.6875	16.76	16.70	16.65	16.59	16.54
14.7500	16.49	16.43	16.38	16.32	16.27
14.8125	16.21	16.16	16.10	16.05	16.00
14.8750	15.94	15.89	15.83	15.78	15.73
14.9375	15.67	15.62	15.56	15.51	15.45
15.0000	15.40	15.35	15.29	15.24	15.18
15.0625	15.13	15.07	15.02	14.96	14.91
15.1250	14.85	14.80	14.75	14.69	14.64
15.1875	14.58	14.53	14.47	14.42	14.36
15.2500	14.31	14.26	14.20	14.15	14.09
15.3125	14.04	13.99	13.93	13.88	13.82
15.3750	13.77	13.71	13.66	13.61	13.55
15.4375	13.50	13.44	13.39	13.33	13.28
15.5000	13.22	13.17	13.11	13.06	13.00
15.5625	12.95	12.90	12.84	12.79	12.73
15.6250	12.68	12.62	12.57	12.51	12.46
15.6875	12.41	12.35	12.30	12.24	12.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7500	12.13	12.08	12.03	11.97	11.92
15.8125	11.86	11.81	11.75	11.70	11.64
15.8750	11.59	11.54	11.48	11.43	11.37
15.9375	11.32	11.26	11.21	11.15	11.10
16.0000	11.04	10.99	10.93	10.88	10.83
16.0625	10.77	10.72	10.67	10.62	10.56
16.1250	10.51	10.47	10.42	10.37	10.32
16.1875	10.28	10.23	10.19	10.15	10.11
16.2500	10.07	10.03	9.99	9.96	9.92
16.3125	9.89	9.85	9.82	9.79	9.76
16.3750	9.73	9.70	9.67	9.64	9.62
16.4375	9.59	9.56	9.54	9.51	9.48
16.5000	9.46	9.43	9.41	9.38	9.36
16.5625	9.33	9.31	9.28	9.26	9.23
16.6250	9.21	9.19	9.16	9.14	9.11
16.6875	9.09	9.06	9.04	9.02	8.99
16.7500	8.97	8.95	8.92	8.90	8.87
16.8125	8.85	8.83	8.80	8.78	8.75
16.8750	8.73	8.71	8.68	8.66	8.64
16.9375	8.61	8.59	8.56	8.54	8.52
17.0000	8.49	8.47	8.45	8.42	8.40
17.0625	8.38	8.35	8.34	8.32	8.31
17.1250	8.29	8.27	8.25	8.23	8.21
17.1875	8.19	8.17	8.15	8.13	8.11
17.2500	8.09	8.06	8.04	8.02	8.00
17.3125	7.97	7.95	7.93	7.90	7.88
17.3750	7.86	7.83	7.81	7.79	7.76
17.4375	7.74	7.72	7.69	7.67	7.65
17.5000	7.62	7.60	7.57	7.55	7.53
17.5625	7.50	7.48	7.46	7.43	7.41
17.6250	7.39	7.36	7.34	7.31	7.29
17.6875	7.27	7.24	7.22	7.20	7.17
17.7500	7.15	7.12	7.10	7.08	7.05
17.8125	7.03	7.01	6.98	6.96	6.93
17.8750	6.91	6.89	6.86	6.84	6.82
17.9375	6.79	6.77	6.74	6.72	6.70
18.0000	6.67	6.65	6.63	6.60	6.58
18.0625	6.56	6.53	6.51	6.48	6.46
18.1250	6.44	6.42	6.39	6.37	6.35
18.1875	6.33	6.31	6.29	6.27	6.26
18.2500	6.24	6.22	6.21	6.19	6.18
18.3125	6.16	6.15	6.13	6.12	6.11
18.3750	6.10	6.09	6.08	6.06	6.05
18.4375	6.04	6.03	6.03	6.02	6.01
18.5000	6.00	5.99	5.98	5.97	5.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5625	5.96	5.95	5.94	5.93	5.92
18.6250	5.92	5.91	5.90	5.89	5.89
18.6875	5.88	5.87	5.86	5.86	5.85
18.7500	5.84	5.83	5.83	5.82	5.81
18.8125	5.80	5.80	5.79	5.78	5.78
18.8750	5.77	5.76	5.75	5.75	5.74
18.9375	5.73	5.73	5.72	5.71	5.70
19.0000	5.70	5.69	5.68	5.68	5.67
19.0625	5.66	5.65	5.65	5.64	5.63
19.1250	5.63	5.62	5.61	5.60	5.60
19.1875	5.59	5.58	5.58	5.57	5.56
19.2500	5.55	5.55	5.54	5.53	5.53
19.3125	5.52	5.51	5.50	5.50	5.49
19.3750	5.48	5.48	5.47	5.46	5.45
19.4375	5.45	5.44	5.43	5.43	5.42
19.5000	5.41	5.41	5.40	5.39	5.38
19.5625	5.38	5.37	5.36	5.36	5.35
19.6250	5.34	5.33	5.33	5.32	5.31
19.6875	5.31	5.30	5.29	5.28	5.28
19.7500	5.27	5.26	5.26	5.25	5.24
19.8125	5.23	5.23	5.22	5.21	5.21
19.8750	5.20	5.19	5.18	5.18	5.17
19.9375	5.16	5.16	5.15	5.14	5.13
20.0000	5.13	5.12	5.11	5.11	5.10
20.0625	5.09	5.08	5.08	5.07	5.06
20.1250	5.06	5.05	5.04	5.03	5.03
20.1875	5.02	5.01	5.01	5.00	5.00
20.2500	4.99	4.98	4.98	4.97	4.97
20.3125	4.96	4.95	4.95	4.94	4.94
20.3750	4.93	4.93	4.92	4.91	4.91
20.4375	4.90	4.90	4.89	4.88	4.88
20.5000	4.87	4.87	4.86	4.86	4.85
20.5625	4.85	4.84	4.83	4.83	4.82
20.6250	4.82	4.81	4.81	4.80	4.80
20.6875	4.79	4.79	4.78	4.77	4.77
20.7500	4.76	4.76	4.75	4.75	4.74
20.8125	4.73	4.73	4.72	4.72	4.71
20.8750	4.71	4.70	4.70	4.69	4.69
20.9375	4.68	4.67	4.67	4.66	4.66
21.0000	4.65	4.65	4.64	4.64	4.63
21.0625	4.63	4.62	4.62	4.61	4.61
21.1250	4.61	4.60	4.60	4.59	4.58
21.1875	4.58	4.57	4.57	4.56	4.56
21.2500	4.55	4.55	4.54	4.54	4.53
21.3125	4.52	4.52	4.51	4.51	4.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3750	4.50	4.49	4.49	4.48	4.48
21.4375	4.47	4.46	4.46	4.45	4.45
21.5000	4.44	4.44	4.43	4.43	4.42
21.5625	4.41	4.41	4.40	4.40	4.39
21.6250	4.39	4.38	4.38	4.37	4.36
21.6875	4.36	4.35	4.35	4.34	4.34
21.7500	4.33	4.33	4.32	4.32	4.31
21.8125	4.31	4.30	4.30	4.29	4.29
21.8750	4.28	4.28	4.27	4.27	4.26
21.9375	4.26	4.25	4.25	4.24	4.24
22.0000	4.23	4.23	4.22	4.22	4.21
22.0625	4.20	4.20	4.19	4.19	4.18
22.1250	4.18	4.17	4.17	4.16	4.15
22.1875	4.15	4.14	4.14	4.13	4.13
22.2500	4.12	4.12	4.11	4.11	4.10
22.3125	4.10	4.09	4.08	4.08	4.07
22.3750	4.07	4.06	4.05	4.05	4.04
22.4375	4.04	4.03	4.03	4.02	4.02
22.5000	4.01	4.01	4.00	4.00	3.99
22.5625	3.99	3.98	3.97	3.97	3.96
22.6250	3.96	3.95	3.95	3.94	3.94
22.6875	3.94	3.93	3.93	3.92	3.92
22.7500	3.91	3.91	3.90	3.90	3.89
22.8125	3.88	3.88	3.87	3.87	3.86
22.8750	3.86	3.85	3.84	3.84	3.83
22.9375	3.83	3.82	3.82	3.81	3.81
23.0000	3.80	3.80	3.79	3.79	3.78
23.0625	3.78	3.77	3.76	3.76	3.75
23.1250	3.75	3.74	3.74	3.73	3.72
23.1875	3.72	3.71	3.71	3.70	3.70
23.2500	3.69	3.68	3.68	3.67	3.67
23.3125	3.66	3.66	3.65	3.65	3.64
23.3750	3.64	3.63	3.63	3.62	3.62
23.4375	3.61	3.61	3.60	3.60	3.59
23.5000	3.59	3.58	3.58	3.57	3.57
23.5625	3.56	3.56	3.55	3.55	3.54
23.6250	3.54	3.53	3.52	3.52	3.51
23.6875	3.51	3.50	3.50	3.49	3.49
23.7500	3.48	3.47	3.47	3.46	3.46
23.8125	3.45	3.45	3.44	3.44	3.43
23.8750	3.43	3.42	3.42	3.41	3.41
23.9375	3.40	3.39	3.39	3.38	3.38
24.0000	3.37	3.36	3.35	3.34	3.32
24.0625	3.30	3.27	3.24	3.19	3.14
24.1250	3.07	2.99	2.91	2.81	2.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1875	2.59	2.47	2.34	2.21	2.08
24.2500	1.95	1.82	1.70	1.58	1.46
24.3125	1.35	1.25	1.15	1.06	.97
24.3750	.89	.81	.74	.68	.62
24.4375	.57	.52	.47	.43	.39
24.5000	.35	.32	.29	.26	.24
24.5625	.21	.19	.17	.16	.14
24.6250	.13	.11	.10	.09	.08
24.6875	.07	.07	.06	.05	.05
24.7500	.04	.04	.03	.03	.03
24.8125	.02	.02	.02	.02	.01
24.8750	.01	.01	.01	.01	.01
24.9375	.01	.01	.00	.00	.00
25.0000	.00	.00			

Name... DB AA OUT Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB AA IN 2
Outflow HYG file = work_pad.hyg - DB AA OUT 2

Pond Node Data = DB AA
Pond Volume Data = DB AA
Pond Outlet Data = DB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 323.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 89.72 cfs at 12.3125 hrs
Peak Outflow = 17.24 cfs at 12.9750 hrs

Peak Elevation = 325.18 ft
Peak Storage = 93473 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 297712
- Infiltration = 0
- HYG Vol OUT = 297711
- Retained Vol = 0

Unrouted Vol = -1 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUT

HYG Tag = 2

 Peak Discharge = 17.24 cfs
 Time to Peak = 12.9750 hrs
 HYG Volume = 297711 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

12.2000	.00	.06	.42	.96	1.61
12.2625	2.26	2.90	3.49	4.03	4.56
12.3250	5.08	5.62	6.15	6.68	7.21
12.3875	7.73	8.23	8.73	9.21	9.68
12.4500	10.12	10.56	10.98	11.38	11.77
12.5125	12.13	12.48	12.82	13.13	13.43
12.5750	14.02	14.57	15.08	15.55	15.91
12.6375	16.04	16.16	16.27	16.37	16.47
12.7000	16.55	16.63	16.70	16.76	16.82
12.7625	16.87	16.92	16.96	17.00	17.03
12.8250	17.06	17.09	17.12	17.14	17.16
12.8875	17.18	17.19	17.20	17.21	17.22
12.9500	17.23	17.23	17.24	17.24	17.24
13.0125	17.24	17.23	17.23	17.22	17.22
13.0750	17.21	17.20	17.19	17.18	17.16
13.1375	17.15	17.14	17.12	17.10	17.09
13.2000	17.07	17.05	17.03	17.01	16.99
13.2625	16.97	16.95	16.92	16.90	16.88
13.3250	16.86	16.83	16.81	16.78	16.76
13.3875	16.73	16.71	16.68	16.66	16.63
13.4500	16.60	16.58	16.55	16.52	16.49
13.5125	16.46	16.43	16.41	16.38	16.35
13.5750	16.32	16.29	16.26	16.23	16.20
13.6375	16.17	16.14	16.11	16.08	16.05
13.7000	16.02	15.99	15.96	15.93	15.90
13.7625	15.85	15.75	15.66	15.56	15.47
13.8250	15.37	15.28	15.19	15.10	15.01
13.8875	14.92	14.83	14.74	14.65	14.56
13.9500	14.47	14.39	14.30	14.22	14.13
14.0125	14.05	13.97	13.88	13.80	13.72
14.0750	13.64	13.56	13.48	13.41	13.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.1375	13.34	13.30	13.26	13.23	13.19
14.2000	13.15	13.11	13.08	13.04	13.00
14.2625	12.96	12.93	12.89	12.85	12.81
14.3250	12.78	12.74	12.70	12.67	12.63
14.3875	12.59	12.56	12.52	12.48	12.45
14.4500	12.41	12.38	12.34	12.30	12.27
14.5125	12.23	12.20	12.16	12.13	12.09
14.5750	12.06	12.03	11.99	11.96	11.92
14.6375	11.89	11.85	11.82	11.79	11.75
14.7000	11.72	11.69	11.65	11.62	11.59
14.7625	11.55	11.52	11.49	11.45	11.42
14.8250	11.39	11.35	11.32	11.29	11.26
14.8875	11.22	11.19	11.16	11.13	11.09
14.9500	11.06	11.03	11.00	10.97	10.93
15.0125	10.90	10.87	10.84	10.81	10.78
15.0750	10.75	10.71	10.68	10.65	10.62
15.1375	10.59	10.56	10.53	10.50	10.47
15.2000	10.44	10.41	10.37	10.34	10.31
15.2625	10.28	10.25	10.22	10.19	10.16
15.3250	10.13	10.10	10.07	10.04	10.01
15.3875	9.98	9.95	9.92	9.90	9.87
15.4500	9.84	9.81	9.78	9.75	9.72
15.5125	9.69	9.66	9.63	9.61	9.58
15.5750	9.55	9.52	9.49	9.46	9.43
15.6375	9.41	9.38	9.35	9.32	9.29
15.7000	9.26	9.23	9.21	9.18	9.15
15.7625	9.12	9.09	9.07	9.04	9.01
15.8250	8.98	8.95	8.93	8.90	8.87
15.8875	8.85	8.82	8.79	8.77	8.74
15.9500	8.71	8.69	8.66	8.63	8.61
16.0125	8.58	8.55	8.53	8.50	8.47
16.0750	8.45	8.42	8.39	8.37	8.34
16.1375	8.31	8.29	8.26	8.24	8.21
16.2000	8.18	8.16	8.13	8.10	8.08
16.2625	8.05	8.03	8.00	7.97	7.95
16.3250	7.92	7.90	7.87	7.85	7.82
16.3875	7.80	7.78	7.75	7.73	7.70
16.4500	7.68	7.65	7.63	7.61	7.58
16.5125	7.56	7.53	7.51	7.49	7.46
16.5750	7.44	7.42	7.39	7.37	7.35
16.6375	7.32	7.30	7.28	7.26	7.23
16.7000	7.21	7.19	7.17	7.14	7.12
16.7625	7.10	7.08	7.05	7.03	7.01
16.8250	6.99	6.97	6.95	6.93	6.91
16.8875	6.89	6.87	6.85	6.83	6.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.9500	6.79	6.77	6.75	6.73	6.71
17.0125	6.69	6.67	6.65	6.63	6.61
17.0750	6.59	6.57	6.55	6.54	6.52
17.1375	6.50	6.48	6.46	6.44	6.42
17.2000	6.40	6.39	6.37	6.35	6.33
17.2625	6.31	6.29	6.28	6.26	6.24
17.3250	6.22	6.20	6.19	6.17	6.15
17.3875	6.13	6.11	6.10	6.08	6.06
17.4500	6.04	6.03	6.01	5.99	5.98
17.5125	5.96	5.94	5.92	5.91	5.89
17.5750	5.87	5.86	5.84	5.83	5.81
17.6375	5.79	5.78	5.76	5.74	5.73
17.7000	5.71	5.69	5.68	5.66	5.65
17.7625	5.63	5.61	5.60	5.58	5.57
17.8250	5.55	5.53	5.52	5.50	5.49
17.8875	5.47	5.46	5.44	5.42	5.41
17.9500	5.39	5.38	5.36	5.35	5.33
18.0125	5.32	5.30	5.28	5.27	5.25
18.0750	5.24	5.22	5.21	5.19	5.18
18.1375	5.16	5.15	5.13	5.12	5.11
18.2000	5.09	5.08	5.07	5.05	5.04
18.2625	5.02	5.01	5.00	4.98	4.97
18.3250	4.96	4.94	4.93	4.92	4.91
18.3875	4.89	4.88	4.87	4.85	4.84
18.4500	4.83	4.81	4.80	4.79	4.78
18.5125	4.76	4.75	4.74	4.73	4.71
18.5750	4.70	4.69	4.68	4.67	4.65
18.6375	4.64	4.63	4.62	4.61	4.59
18.7000	4.58	4.57	4.56	4.55	4.53
18.7625	4.52	4.51	4.50	4.49	4.48
18.8250	4.47	4.45	4.44	4.43	4.42
18.8875	4.41	4.40	4.39	4.38	4.37
18.9500	4.36	4.35	4.33	4.32	4.31
19.0125	4.30	4.29	4.28	4.27	4.26
19.0750	4.25	4.24	4.23	4.21	4.20
19.1375	4.19	4.18	4.17	4.16	4.15
19.2000	4.14	4.13	4.12	4.11	4.10
19.2625	4.09	4.08	4.07	4.06	4.05
19.3250	4.04	4.03	4.02	4.01	4.00
19.3875	3.99	3.98	3.97	3.96	3.95
19.4500	3.94	3.93	3.92	3.91	3.91
19.5125	3.90	3.89	3.88	3.87	3.86
19.5750	3.85	3.84	3.83	3.82	3.81
19.6375	3.81	3.80	3.79	3.78	3.77
19.7000	3.76	3.75	3.74	3.74	3.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.7625	3.72	3.71	3.70	3.69	3.68
19.8250	3.68	3.67	3.66	3.65	3.64
19.8875	3.63	3.63	3.62	3.61	3.60
19.9500	3.59	3.59	3.58	3.57	3.56
20.0125	3.55	3.55	3.54	3.53	3.52
20.0750	3.51	3.50	3.49	3.48	3.48
20.1375	3.47	3.46	3.45	3.44	3.43
20.2000	3.42	3.42	3.41	3.40	3.39
20.2625	3.38	3.38	3.37	3.36	3.35
20.3250	3.34	3.34	3.33	3.32	3.31
20.3875	3.30	3.30	3.29	3.28	3.27
20.4500	3.27	3.26	3.25	3.24	3.24
20.5125	3.23	3.22	3.21	3.21	3.20
20.5750	3.19	3.19	3.18	3.17	3.16
20.6375	3.16	3.15	3.14	3.14	3.13
20.7000	3.12	3.12	3.11	3.10	3.09
20.7625	3.09	3.08	3.07	3.07	3.06
20.8250	3.05	3.05	3.04	3.03	3.03
20.8875	3.02	3.02	3.01	3.00	3.00
20.9500	2.99	2.98	2.98	2.97	2.97
21.0125	2.96	2.95	2.95	2.94	2.93
21.0750	2.93	2.92	2.92	2.91	2.90
21.1375	2.90	2.89	2.89	2.88	2.88
21.2000	2.87	2.86	2.86	2.85	2.85
21.2625	2.84	2.83	2.83	2.82	2.81
21.3250	2.81	2.80	2.79	2.79	2.78
21.3875	2.77	2.77	2.76	2.76	2.75
21.4500	2.74	2.74	2.73	2.72	2.72
21.5125	2.71	2.71	2.70	2.69	2.69
21.5750	2.68	2.68	2.67	2.67	2.66
21.6375	2.65	2.65	2.64	2.64	2.63
21.7000	2.63	2.62	2.61	2.61	2.60
21.7625	2.60	2.59	2.59	2.58	2.58
21.8250	2.57	2.57	2.56	2.56	2.55
21.8875	2.54	2.54	2.53	2.53	2.52
21.9500	2.52	2.51	2.51	2.50	2.50
22.0125	2.49	2.49	2.48	2.48	2.47
22.0750	2.47	2.46	2.46	2.45	2.45
22.1375	2.45	2.44	2.44	2.43	2.43
22.2000	2.42	2.42	2.41	2.41	2.40
22.2625	2.40	2.39	2.39	2.38	2.38
22.3250	2.38	2.37	2.37	2.36	2.36
22.3875	2.35	2.35	2.34	2.34	2.34
22.4500	2.33	2.33	2.32	2.32	2.31
22.5125	2.31	2.31	2.30	2.30	2.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
22.5750	2.29	2.29	2.28	2.28	2.27
22.6375	2.27	2.26	2.26	2.26	2.25
22.7000	2.25	2.24	2.24	2.24	2.23
22.7625	2.23	2.22	2.22	2.22	2.21
22.8250	2.21	2.20	2.20	2.20	2.19
22.8875	2.19	2.18	2.18	2.17	2.17
22.9500	2.16	2.16	2.16	2.15	2.15
23.0125	2.14	2.14	2.13	2.13	2.13
23.0750	2.12	2.12	2.11	2.11	2.11
23.1375	2.10	2.10	2.09	2.09	2.09
23.2000	2.08	2.08	2.07	2.07	2.07
23.2625	2.06	2.06	2.05	2.05	2.05
23.3250	2.04	2.04	2.03	2.03	2.03
23.3875	2.02	2.02	2.02	2.01	2.01
23.4500	2.00	2.00	2.00	1.99	1.99
23.5125	1.99	1.98	1.98	1.98	1.97
23.5750	1.97	1.96	1.96	1.96	1.95
23.6375	1.95	1.95	1.94	1.94	1.94
23.7000	1.93	1.93	1.93	1.92	1.92
23.7625	1.92	1.91	1.91	1.91	1.90
23.8250	1.90	1.90	1.89	1.89	1.89
23.8875	1.88	1.88	1.88	1.87	1.87
23.9500	1.87	1.86	1.86	1.86	1.85
24.0125	1.85	1.85	1.84	1.84	1.84
24.0750	1.83	1.83	1.82	1.82	1.82
24.1375	1.81	1.81	1.80	1.80	1.79
24.2000	1.78	1.78	1.77	1.76	1.75
24.2625	1.75	1.74	1.73	1.72	1.71
24.3250	1.69	1.68	1.67	1.66	1.65
24.3875	1.63	1.62	1.60	1.59	1.57
24.4500	1.56	1.54	1.52	1.51	1.49
24.5125	1.48	1.46	1.44	1.43	1.41
24.5750	1.40	1.38	1.37	1.35	1.34
24.6375	1.32	1.31	1.29	1.28	1.26
24.7000	1.25	1.23	1.22	1.20	1.19
24.7625	1.18	1.16	1.15	1.13	1.11
24.8250	1.10	1.08	1.07	1.05	1.03
24.8875	1.02	1.00	.99	.97	.96
24.9500	.95	.93	.92	.90	.89
25.0125	.88	.86	.85	.84	.83
25.0750	.81	.80	.79	.78	.77
25.1375	.76	.74	.73	.72	.70
25.2000	.69	.68	.66	.65	.64
25.2625	.63	.62	.60	.59	.58
25.3250	.57	.56	.55	.54	.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
25.3875	.52	.51	.50	.49	.48
25.4500	.47	.46	.45	.45	.44
25.5125	.43	.42	.41	.39	.38
25.5750	.37	.36	.35	.34	.33
25.6375	.32	.31	.30	.30	.29
25.7000	.28	.27	.26	.26	.25
25.7625	.24	.23	.23	.22	.22
25.8250	.21	.20	.20	.19	.19
25.8875	.18	.17	.17	.16	.15
25.9500	.14	.14	.13	.13	.12
26.0125	.11	.11	.10	.10	.10
26.0750	.09	.09	.08	.08	.08
26.1375	.07	.07	.07	.06	.06
26.2000	.06	.05	.05	.05	.05
26.2625	.05	.04	.04	.04	.04
26.3250	.04	.03	.03	.03	.03
26.3875	.03	.02	.02	.02	.02
26.4500	.02	.02	.01	.01	.01
26.5125	.01	.01	.01	.01	.01
26.5750	.01	.01	.01	.01	.01
26.6375	.01	.01	.00	.00	.00
26.7000	.00	.00	.00	.00	.00

Name... DB AA OUT Tag: 10

Event: 10 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB AA IN 10
Outflow HYG file = work_pad.hyg - DB AA OUT 10

Pond Node Data = DB AA
Pond Volume Data = DB AA
Pond Outlet Data = DB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 323.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 181.84 cfs at 12.2125 hrs
Peak Outflow = 33.37 cfs at 12.8625 hrs

Peak Elevation = 328.10 ft
Peak Storage = 287357 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 657197
- Infiltration = 0
- HYG Vol OUT = 657194
- Retained Vol = 0

Unrouted Vol = -3 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUT

HYG Tag = 10

 Peak Discharge = 33.37 cfs
 Time to Peak = 12.8625 hrs
 HYG Volume = 657194 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

11.8125	.00	.10	.37	.72	1.15
11.8750	1.59	2.05	2.51	2.98	3.42
11.9375	3.86	4.30	4.76	5.24	5.78
12.0000	6.37	6.99	7.69	8.45	9.26
12.0625	10.15	11.10	12.11	13.19	15.33
12.1250	16.49	17.26	18.03	18.78	19.51
12.1875	20.22	20.91	21.57	22.21	22.82
12.2500	23.40	23.95	24.48	24.98	25.45
12.3125	25.89	26.31	26.71	27.08	27.43
12.3750	27.76	28.08	28.37	28.65	28.91
12.4375	29.15	29.39	29.61	29.81	30.01
12.5000	30.19	30.36	30.52	30.68	30.82
12.5625	30.95	31.07	31.18	31.29	31.39
12.6250	31.48	31.56	31.63	31.70	31.81
12.6875	32.04	32.25	32.43	32.60	32.74
12.7500	32.86	32.97	33.06	33.14	33.21
12.8125	33.26	33.30	33.33	33.36	33.37
12.8750	33.37	33.36	33.35	33.33	33.31
12.9375	33.27	33.24	33.19	33.14	33.09
13.0000	33.03	32.97	32.90	32.84	32.76
13.0625	32.69	32.61	32.52	32.44	32.35
13.1250	32.26	32.17	32.07	31.97	31.88
13.1875	31.78	31.73	31.71	31.68	31.66
13.2500	31.63	31.60	31.58	31.55	31.52
13.3125	31.49	31.46	31.43	31.40	31.37
13.3750	31.34	31.31	31.28	31.25	31.22
13.4375	31.18	31.15	31.12	31.09	31.06
13.5000	31.02	30.99	30.96	30.92	30.89
13.5625	30.85	30.82	30.79	30.75	30.72
13.6250	30.68	30.65	30.61	30.58	30.54
13.6875	30.51	30.47	30.43	30.40	30.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.7500	30.32	30.29	30.25	30.21	30.18
13.8125	30.14	30.10	30.06	30.02	29.99
13.8750	29.95	29.91	29.87	29.83	29.79
13.9375	29.75	29.71	29.67	29.63	29.59
14.0000	29.55	29.51	29.47	29.43	29.39
14.0625	29.35	29.31	29.27	29.22	29.18
14.1250	29.14	29.10	29.05	29.01	28.97
14.1875	28.93	28.88	28.84	28.80	28.75
14.2500	28.71	28.67	28.62	28.58	28.53
14.3125	28.49	28.45	28.40	28.36	28.31
14.3750	28.27	28.22	28.18	28.13	28.09
14.4375	28.04	28.00	27.95	27.91	27.86
14.5000	27.81	27.77	27.72	27.68	27.63
14.5625	27.59	27.54	27.49	27.45	27.40
14.6250	27.35	27.31	27.26	27.22	27.17
14.6875	27.12	27.08	27.03	26.98	26.93
14.7500	26.89	26.84	26.79	26.75	26.70
14.8125	26.65	26.60	26.56	26.51	26.46
14.8750	26.41	26.36	26.32	26.27	26.22
14.9375	26.17	26.12	26.08	26.03	25.98
15.0000	25.93	25.88	25.83	25.78	25.74
15.0625	25.69	25.64	25.59	25.54	25.49
15.1250	25.44	25.39	25.34	25.29	25.24
15.1875	25.19	25.14	25.09	25.04	24.99
15.2500	24.94	24.89	24.84	24.79	24.74
15.3125	24.69	24.64	24.59	24.54	24.49
15.3750	24.44	24.39	24.34	24.28	24.23
15.4375	24.18	24.13	24.08	24.03	23.98
15.5000	23.92	23.87	23.82	23.77	23.72
15.5625	23.66	23.61	23.56	23.51	23.45
15.6250	23.40	23.35	23.30	23.24	23.19
15.6875	23.14	23.09	23.03	22.98	22.93
15.7500	22.87	22.82	22.76	22.71	22.66
15.8125	22.60	22.55	22.50	22.44	22.39
15.8750	22.33	22.28	22.22	22.17	22.11
15.9375	22.06	22.00	21.95	21.90	21.84
16.0000	21.79	21.73	21.67	21.62	21.56
16.0625	21.51	21.45	21.40	21.34	21.29
16.1250	21.23	21.18	21.12	21.06	21.01
16.1875	20.95	20.89	20.84	20.78	20.73
16.2500	20.67	20.61	20.56	20.50	20.44
16.3125	20.39	20.33	20.27	20.22	20.16
16.3750	20.10	20.05	19.99	19.93	19.87
16.4375	19.82	19.76	19.70	19.65	19.59
16.5000	19.53	19.48	19.42	19.36	19.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
16.5625	19.24	19.19	19.13	19.07	19.02
16.6250	18.96	18.90	18.85	18.79	18.73
16.6875	18.67	18.62	18.56	18.50	18.44
16.7500	18.39	18.33	18.27	18.21	18.16
16.8125	18.10	18.04	17.99	17.93	17.87
16.8750	17.81	17.75	17.70	17.64	17.58
16.9375	17.53	17.47	17.41	17.36	17.30
17.0000	17.24	17.18	17.12	17.07	17.01
17.0625	16.95	16.90	16.84	16.78	16.73
17.1250	16.67	16.61	16.55	16.50	16.44
17.1875	16.38	16.32	16.27	16.21	16.15
17.2500	16.10	16.04	15.98	15.93	15.86
17.3125	15.68	15.51	15.34	15.17	15.01
17.3750	14.85	14.69	14.53	14.38	14.23
17.4375	14.08	13.93	13.78	13.64	13.50
17.5000	13.40	13.33	13.27	13.20	13.14
17.5625	13.08	13.01	12.95	12.89	12.83
17.6250	12.77	12.71	12.65	12.59	12.53
17.6875	12.47	12.41	12.35	12.29	12.23
17.7500	12.18	12.12	12.07	12.01	11.95
17.8125	11.90	11.84	11.79	11.74	11.68
17.8750	11.63	11.58	11.52	11.47	11.42
17.9375	11.37	11.32	11.26	11.21	11.16
18.0000	11.11	11.06	11.01	10.96	10.91
18.0625	10.87	10.82	10.77	10.72	10.67
18.1250	10.63	10.58	10.53	10.48	10.44
18.1875	10.39	10.35	10.30	10.25	10.21
18.2500	10.16	10.12	10.07	10.03	9.99
18.3125	9.95	9.90	9.86	9.82	9.78
18.3750	9.74	9.70	9.65	9.61	9.57
18.4375	9.53	9.49	9.45	9.41	9.38
18.5000	9.34	9.30	9.26	9.22	9.18
18.5625	9.15	9.11	9.07	9.04	9.00
18.6250	8.96	8.93	8.89	8.86	8.83
18.6875	8.79	8.76	8.73	8.69	8.66
18.7500	8.63	8.59	8.56	8.53	8.50
18.8125	8.47	8.43	8.40	8.37	8.34
18.8750	8.31	8.28	8.25	8.22	8.19
18.9375	8.16	8.13	8.10	8.07	8.04
19.0000	8.01	7.98	7.95	7.93	7.90
19.0625	7.87	7.85	7.82	7.79	7.76
19.1250	7.74	7.71	7.69	7.66	7.63
19.1875	7.61	7.58	7.56	7.53	7.51
19.2500	7.48	7.46	7.43	7.41	7.38
19.3125	7.36	7.33	7.31	7.29	7.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3750	7.24	7.21	7.19	7.17	7.14
19.4375	7.12	7.10	7.08	7.05	7.03
19.5000	7.01	6.99	6.96	6.94	6.92
19.5625	6.90	6.88	6.86	6.84	6.82
19.6250	6.80	6.78	6.76	6.74	6.72
19.6875	6.70	6.68	6.66	6.65	6.63
19.7500	6.61	6.59	6.57	6.55	6.53
19.8125	6.51	6.50	6.48	6.46	6.44
19.8750	6.42	6.40	6.39	6.37	6.35
19.9375	6.33	6.32	6.30	6.28	6.26
20.0000	6.25	6.23	6.21	6.19	6.18
20.0625	6.16	6.14	6.13	6.11	6.09
20.1250	6.08	6.06	6.05	6.03	6.01
20.1875	6.00	5.98	5.97	5.95	5.94
20.2500	5.92	5.91	5.89	5.88	5.86
20.3125	5.85	5.83	5.82	5.80	5.79
20.3750	5.77	5.76	5.74	5.73	5.72
20.4375	5.70	5.69	5.67	5.66	5.65
20.5000	5.63	5.62	5.60	5.59	5.58
20.5625	5.56	5.55	5.54	5.52	5.51
20.6250	5.50	5.48	5.47	5.46	5.44
20.6875	5.43	5.42	5.41	5.39	5.38
20.7500	5.37	5.35	5.34	5.33	5.32
20.8125	5.30	5.29	5.28	5.27	5.26
20.8750	5.24	5.23	5.22	5.21	5.20
20.9375	5.18	5.17	5.16	5.15	5.14
21.0000	5.13	5.12	5.11	5.10	5.09
21.0625	5.08	5.06	5.05	5.04	5.03
21.1250	5.02	5.01	5.00	4.99	4.98
21.1875	4.97	4.96	4.95	4.94	4.93
21.2500	4.92	4.91	4.90	4.89	4.89
21.3125	4.88	4.87	4.86	4.85	4.84
21.3750	4.83	4.82	4.81	4.80	4.79
21.4375	4.78	4.77	4.76	4.75	4.74
21.5000	4.73	4.73	4.72	4.71	4.70
21.5625	4.69	4.68	4.67	4.66	4.65
21.6250	4.64	4.64	4.63	4.62	4.61
21.6875	4.60	4.59	4.58	4.58	4.57
21.7500	4.56	4.55	4.54	4.53	4.52
21.8125	4.52	4.51	4.50	4.49	4.48
21.8750	4.47	4.47	4.46	4.45	4.44
21.9375	4.43	4.42	4.42	4.41	4.40
22.0000	4.39	4.38	4.38	4.37	4.36
22.0625	4.35	4.35	4.34	4.33	4.32
22.1250	4.31	4.31	4.30	4.29	4.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.1875	4.27	4.27	4.26	4.25	4.24
22.2500	4.23	4.23	4.22	4.21	4.20
22.3125	4.19	4.19	4.18	4.17	4.16
22.3750	4.16	4.15	4.14	4.13	4.13
22.4375	4.12	4.11	4.10	4.10	4.09
22.5000	4.08	4.07	4.07	4.06	4.05
22.5625	4.04	4.04	4.03	4.02	4.02
22.6250	4.01	4.00	3.99	3.99	3.98
22.6875	3.97	3.97	3.96	3.95	3.94
22.7500	3.94	3.93	3.92	3.92	3.91
22.8125	3.90	3.90	3.89	3.88	3.88
22.8750	3.87	3.86	3.86	3.85	3.84
22.9375	3.84	3.83	3.82	3.82	3.81
23.0000	3.80	3.80	3.79	3.78	3.78
23.0625	3.77	3.76	3.76	3.75	3.74
23.1250	3.74	3.73	3.72	3.72	3.71
23.1875	3.71	3.70	3.69	3.69	3.68
23.2500	3.67	3.67	3.66	3.65	3.65
23.3125	3.64	3.64	3.63	3.62	3.62
23.3750	3.61	3.61	3.60	3.59	3.59
23.4375	3.58	3.57	3.57	3.56	3.56
23.5000	3.55	3.54	3.54	3.53	3.52
23.5625	3.52	3.51	3.50	3.50	3.49
23.6250	3.48	3.48	3.47	3.47	3.46
23.6875	3.45	3.45	3.44	3.43	3.43
23.7500	3.42	3.41	3.41	3.40	3.40
23.8125	3.39	3.38	3.38	3.37	3.36
23.8750	3.36	3.35	3.35	3.34	3.33
23.9375	3.33	3.32	3.31	3.31	3.30
24.0000	3.30	3.29	3.28	3.28	3.27
24.0625	3.27	3.26	3.25	3.25	3.24
24.1250	3.23	3.23	3.22	3.21	3.20
24.1875	3.19	3.18	3.17	3.16	3.15
24.2500	3.14	3.13	3.11	3.10	3.09
24.3125	3.07	3.06	3.04	3.02	3.01
24.3750	2.99	2.97	2.96	2.94	2.92
24.4375	2.90	2.89	2.87	2.85	2.83
24.5000	2.81	2.79	2.76	2.74	2.72
24.5625	2.70	2.68	2.66	2.64	2.61
24.6250	2.59	2.57	2.55	2.53	2.51
24.6875	2.49	2.47	2.45	2.43	2.41
24.7500	2.39	2.37	2.35	2.33	2.31
24.8125	2.29	2.27	2.25	2.23	2.21
24.8750	2.19	2.17	2.15	2.13	2.11
24.9375	2.09	2.07	2.05	2.03	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
25.0000	1.99	1.97	1.95	1.93	1.91
25.0625	1.89	1.87	1.85	1.84	1.82
25.1250	1.80	1.78	1.76	1.75	1.73
25.1875	1.71	1.70	1.68	1.66	1.65
25.2500	1.63	1.61	1.59	1.57	1.55
25.3125	1.53	1.52	1.50	1.48	1.46
25.3750	1.44	1.43	1.41	1.39	1.38
25.4375	1.36	1.35	1.33	1.31	1.30
25.5000	1.28	1.27	1.25	1.24	1.22
25.5625	1.21	1.19	1.18	1.17	1.15
25.6250	1.13	1.12	1.10	1.08	1.07
25.6875	1.05	1.04	1.02	1.01	.99
25.7500	.98	.96	.95	.93	.92
25.8125	.91	.89	.88	.87	.85
25.8750	.84	.83	.82	.80	.79
25.9375	.78	.77	.76	.75	.73
26.0000	.72	.71	.69	.68	.67
26.0625	.65	.64	.63	.62	.61
26.1250	.59	.58	.57	.56	.55
26.1875	.54	.53	.52	.51	.50
26.2500	.49	.48	.47	.46	.46
26.3125	.45	.44	.43	.42	.41
26.3750	.40	.38	.37	.36	.35
26.4375	.34	.33	.32	.31	.31
26.5000	.30	.29	.28	.27	.26
26.5625	.26	.25	.24	.24	.23
26.6250	.22	.22	.21	.20	.20
26.6875	.19	.19	.18	.18	.17
26.7500	.16	.15	.15	.14	.13
26.8125	.13	.12	.12	.11	.11
26.8750	.10	.10	.09	.09	.08
26.9375	.08	.08	.07	.07	.07
27.0000	.06	.06	.06	.06	.05
27.0625	.05	.05	.05	.04	.04
27.1250	.04	.04	.04	.03	.03
27.1875	.03	.03	.03	.02	.02
27.2500	.02	.02	.02	.02	.02
27.3125	.01	.01	.01	.01	.01
27.3750	.01	.01	.01	.01	.01
27.4375	.01	.01	.01	.01	.00
27.5000	.00	.00	.00	.00	.00
27.5625	.00				

Name... DB AA OUT Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB AA IN 25
Outflow HYG file = work_pad.hyg - DB AA OUT 25

Pond Node Data = DB AA
Pond Volume Data = DB AA
Pond Outlet Data = DB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 323.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 218.67 cfs at 12.2125 hrs
Peak Outflow = 73.50 cfs at 12.6375 hrs

Peak Elevation = 328.97 ft
Peak Storage = 349134 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 839185
- Infiltration = 0
- HYG Vol OUT = 839182
- Retained Vol = 0

Unrouted Vol = -2 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUT

HYG Tag = 25

 Peak Discharge = 73.50 cfs
 Time to Peak = 12.6375 hrs
 HYG Volume = 839182 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

11.4500	.00	.02	.13	.31	.52
11.5125	.76	1.00	1.25	1.50	1.75
11.5750	1.99	2.24	2.47	2.70	2.93
11.6375	3.15	3.37	3.59	3.80	4.01
11.7000	4.23	4.46	4.69	4.93	5.18
11.7625	5.46	5.76	6.08	6.42	6.77
11.8250	7.15	7.55	7.98	8.44	8.92
11.8875	9.43	9.97	10.55	11.14	11.77
11.9500	12.43	13.13	14.37	15.91	16.45
12.0125	17.01	17.58	18.16	18.76	19.37
12.0750	19.99	20.63	21.27	21.93	22.59
12.1375	23.25	23.91	24.57	25.22	25.86
12.2000	26.48	27.09	27.68	28.24	28.79
12.2625	29.31	29.80	30.27	30.72	31.15
12.3250	31.55	32.48	34.33	36.75	39.42
12.3875	42.31	45.20	48.01	50.82	53.47
12.4500	56.02	58.38	60.61	62.62	64.49
12.5125	66.18	67.66	68.94	70.09	71.04
12.5750	71.83	72.45	72.92	73.25	73.44
12.6375	73.50	73.44	73.27	73.00	72.65
12.7000	72.23	71.73	71.17	70.55	69.88
12.7625	69.17	68.45	67.71	66.94	66.15
12.8250	65.34	64.52	63.70	62.88	62.10
12.8875	61.31	60.52	59.73	58.94	58.15
12.9500	57.39	56.66	55.93	55.21	54.49
13.0125	53.78	53.07	52.38	51.74	51.10
13.0750	50.47	49.84	49.22	48.61	48.00
13.1375	47.42	46.88	46.34	45.80	45.27
13.2000	44.75	44.24	43.73	43.23	42.79
13.2625	42.35	41.91	41.49	41.06	40.65
13.3250	40.23	39.83	39.43	39.09	38.75

HYDROGRAPH ORDINATES (cfs)					
Time	Output Time increment = .0125 hrs				
hrs	Time on left represents time for first value in each row.				
13.3875	38.42	38.10	37.77	37.46	37.14
13.4500	36.83	36.53	36.23	35.96	35.72
13.5125	35.49	35.26	35.03	34.80	34.57
13.5750	34.35	34.13	33.91	33.69	33.47
13.6375	33.31	33.18	33.05	32.92	32.79
13.7000	32.66	32.53	32.40	32.27	32.14
13.7625	32.01	31.88	31.75	31.72	31.69
13.8250	31.66	31.63	31.60	31.56	31.53
13.8875	31.50	31.47	31.43	31.40	31.37
13.9500	31.33	31.30	31.27	31.23	31.20
14.0125	31.16	31.13	31.09	31.06	31.02
14.0750	30.99	30.95	30.92	30.88	30.84
14.1375	30.81	30.77	30.73	30.69	30.66
14.2000	30.62	30.58	30.54	30.51	30.47
14.2625	30.43	30.39	30.35	30.31	30.27
14.3250	30.23	30.20	30.16	30.12	30.08
14.3875	30.04	30.00	29.96	29.92	29.88
14.4500	29.84	29.80	29.76	29.72	29.68
14.5125	29.64	29.60	29.55	29.51	29.47
14.5750	29.43	29.39	29.35	29.31	29.27
14.6375	29.22	29.18	29.14	29.10	29.06
14.7000	29.02	28.97	28.93	28.89	28.85
14.7625	28.80	28.76	28.72	28.68	28.63
14.8250	28.59	28.55	28.50	28.46	28.42
14.8875	28.38	28.33	28.29	28.24	28.20
14.9500	28.16	28.11	28.07	28.03	27.98
15.0125	27.94	27.89	27.85	27.80	27.76
15.0750	27.71	27.67	27.62	27.58	27.54
15.1375	27.49	27.44	27.40	27.35	27.31
15.2000	27.26	27.22	27.17	27.13	27.08
15.2625	27.03	26.99	26.94	26.89	26.85
15.3250	26.80	26.75	26.71	26.66	26.61
15.3875	26.57	26.52	26.47	26.42	26.38
15.4500	26.33	26.28	26.23	26.19	26.14
15.5125	26.09	26.04	25.99	25.95	25.90
15.5750	25.85	25.80	25.75	25.70	25.65
15.6375	25.61	25.56	25.51	25.46	25.41
15.7000	25.36	25.31	25.26	25.21	25.16
15.7625	25.11	25.06	25.01	24.96	24.91
15.8250	24.86	24.80	24.75	24.70	24.65
15.8875	24.60	24.55	24.50	24.45	24.39
15.9500	24.34	24.29	24.24	24.19	24.14
16.0125	24.08	24.03	23.98	23.93	23.87
16.0750	23.82	23.77	23.71	23.66	23.61
16.1375	23.56	23.50	23.45	23.39	23.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
16.2000	23.29	23.23	23.18	23.12	23.07
16.2625	23.02	22.96	22.91	22.85	22.80
16.3250	22.74	22.69	22.63	22.58	22.53
16.3875	22.47	22.42	22.36	22.31	22.25
16.4500	22.20	22.14	22.09	22.03	21.98
16.5125	21.92	21.87	21.81	21.76	21.70
16.5750	21.65	21.59	21.54	21.48	21.43
16.6375	21.38	21.32	21.27	21.21	21.15
16.7000	21.10	21.04	20.99	20.93	20.88
16.7625	20.82	20.77	20.72	20.66	20.60
16.8250	20.55	20.49	20.44	20.38	20.33
16.8875	20.27	20.22	20.16	20.11	20.05
16.9500	20.00	19.94	19.88	19.83	19.77
17.0125	19.72	19.66	19.61	19.55	19.50
17.0750	19.44	19.39	19.33	19.28	19.22
17.1375	19.16	19.11	19.05	19.00	18.94
17.2000	18.89	18.83	18.78	18.72	18.66
17.2625	18.61	18.55	18.50	18.44	18.38
17.3250	18.33	18.27	18.22	18.16	18.11
17.3875	18.05	18.00	17.94	17.88	17.83
17.4500	17.77	17.71	17.66	17.60	17.55
17.5125	17.49	17.44	17.38	17.33	17.27
17.5750	17.21	17.16	17.10	17.04	16.99
17.6375	16.93	16.88	16.82	16.76	16.71
17.7000	16.65	16.60	16.54	16.48	16.43
17.7625	16.37	16.31	16.26	16.20	16.14
17.8250	16.09	16.03	15.98	15.92	15.85
17.8875	15.68	15.51	15.34	15.18	15.02
17.9500	14.86	14.70	14.55	14.39	14.24
18.0125	14.10	13.95	13.81	13.67	13.53
18.0750	13.41	13.35	13.28	13.22	13.16
18.1375	13.09	13.03	12.97	12.91	12.85
18.2000	12.79	12.73	12.67	12.61	12.55
18.2625	12.49	12.43	12.37	12.31	12.26
18.3250	12.20	12.15	12.09	12.04	11.98
18.3875	11.93	11.87	11.82	11.77	11.72
18.4500	11.66	11.61	11.56	11.51	11.46
18.5125	11.41	11.36	11.31	11.26	11.21
18.5750	11.16	11.11	11.07	11.02	10.97
18.6375	10.93	10.88	10.83	10.79	10.74
18.7000	10.70	10.65	10.61	10.56	10.52
18.7625	10.48	10.43	10.39	10.35	10.31
18.8250	10.26	10.22	10.18	10.14	10.10
18.8875	10.06	10.02	9.98	9.94	9.90
18.9500	9.86	9.83	9.79	9.75	9.71

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0125	9.68	9.64	9.60	9.57	9.53
19.0750	9.49	9.46	9.42	9.39	9.35
19.1375	9.32	9.28	9.25	9.21	9.18
19.2000	9.15	9.11	9.08	9.05	9.01
19.2625	8.98	8.95	8.92	8.89	8.86
19.3250	8.83	8.80	8.77	8.74	8.71
19.3875	8.68	8.65	8.62	8.59	8.56
19.4500	8.53	8.50	8.48	8.45	8.42
19.5125	8.39	8.36	8.34	8.31	8.28
19.5750	8.26	8.23	8.20	8.18	8.15
19.6375	8.12	8.10	8.07	8.04	8.02
19.7000	7.99	7.97	7.94	7.92	7.89
19.7625	7.87	7.85	7.82	7.80	7.78
19.8250	7.75	7.73	7.70	7.68	7.66
19.8875	7.64	7.61	7.59	7.57	7.55
19.9500	7.52	7.50	7.48	7.46	7.43
20.0125	7.41	7.39	7.37	7.35	7.33
20.0750	7.31	7.28	7.26	7.24	7.22
20.1375	7.20	7.18	7.16	7.14	7.12
20.2000	7.10	7.08	7.06	7.04	7.02
20.2625	7.00	6.98	6.96	6.94	6.93
20.3250	6.91	6.89	6.87	6.85	6.84
20.3875	6.82	6.80	6.78	6.77	6.75
20.4500	6.73	6.72	6.70	6.68	6.67
20.5125	6.65	6.63	6.62	6.60	6.58
20.5750	6.57	6.55	6.53	6.52	6.50
20.6375	6.49	6.47	6.45	6.44	6.42
20.7000	6.41	6.39	6.38	6.36	6.35
20.7625	6.33	6.32	6.30	6.29	6.27
20.8250	6.26	6.24	6.23	6.21	6.20
20.8875	6.18	6.17	6.15	6.14	6.12
20.9500	6.11	6.10	6.08	6.07	6.05
21.0125	6.04	6.03	6.01	6.00	5.99
21.0750	5.97	5.96	5.95	5.94	5.92
21.1375	5.91	5.90	5.88	5.87	5.86
21.2000	5.85	5.83	5.82	5.81	5.80
21.2625	5.78	5.77	5.76	5.75	5.74
21.3250	5.72	5.71	5.70	5.69	5.68
21.3875	5.66	5.65	5.64	5.63	5.62
21.4500	5.61	5.59	5.58	5.57	5.56
21.5125	5.55	5.54	5.53	5.51	5.50
21.5750	5.49	5.48	5.47	5.46	5.45
21.6375	5.44	5.43	5.41	5.40	5.39
21.7000	5.38	5.37	5.36	5.35	5.34
21.7625	5.33	5.32	5.31	5.30	5.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8250	5.28	5.27	5.26	5.25	5.24
21.8875	5.23	5.22	5.21	5.20	5.19
21.9500	5.18	5.17	5.16	5.15	5.14
22.0125	5.13	5.12	5.11	5.10	5.09
22.0750	5.08	5.07	5.07	5.06	5.05
22.1375	5.04	5.03	5.02	5.01	5.00
22.2000	5.00	4.99	4.98	4.97	4.96
22.2625	4.95	4.95	4.94	4.93	4.92
22.3250	4.91	4.90	4.89	4.89	4.88
22.3875	4.87	4.86	4.85	4.85	4.84
22.4500	4.83	4.82	4.81	4.80	4.80
22.5125	4.79	4.78	4.77	4.76	4.76
22.5750	4.75	4.74	4.73	4.72	4.72
22.6375	4.71	4.70	4.69	4.69	4.68
22.7000	4.67	4.66	4.65	4.65	4.64
22.7625	4.63	4.62	4.62	4.61	4.60
22.8250	4.59	4.59	4.58	4.57	4.56
22.8875	4.56	4.55	4.54	4.53	4.53
22.9500	4.52	4.51	4.50	4.50	4.49
23.0125	4.48	4.47	4.47	4.46	4.45
23.0750	4.45	4.44	4.43	4.42	4.42
23.1375	4.41	4.40	4.40	4.39	4.38
23.2000	4.37	4.37	4.36	4.35	4.35
23.2625	4.34	4.33	4.32	4.32	4.31
23.3250	4.30	4.30	4.29	4.28	4.27
23.3875	4.27	4.26	4.25	4.25	4.24
23.4500	4.23	4.22	4.22	4.21	4.20
23.5125	4.20	4.19	4.18	4.18	4.17
23.5750	4.16	4.15	4.15	4.14	4.13
23.6375	4.13	4.12	4.11	4.11	4.10
23.7000	4.09	4.09	4.08	4.07	4.07
23.7625	4.06	4.05	4.05	4.04	4.03
23.8250	4.03	4.02	4.01	4.01	4.00
23.8875	3.99	3.99	3.98	3.97	3.97
23.9500	3.96	3.95	3.95	3.94	3.93
24.0125	3.93	3.92	3.91	3.91	3.90
24.0750	3.89	3.89	3.88	3.87	3.87
24.1375	3.86	3.85	3.84	3.83	3.82
24.2000	3.81	3.80	3.79	3.78	3.76
24.2625	3.75	3.74	3.72	3.71	3.69
24.3250	3.67	3.66	3.64	3.62	3.61
24.3875	3.59	3.57	3.55	3.53	3.51
24.4500	3.49	3.46	3.44	3.42	3.40
24.5125	3.38	3.35	3.33	3.31	3.29
24.5750	3.27	3.24	3.22	3.20	3.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.6375	3.16	3.13	3.11	3.09	3.07
24.7000	3.05	3.03	3.00	2.98	2.96
24.7625	2.94	2.92	2.90	2.88	2.86
24.8250	2.84	2.81	2.79	2.77	2.74
24.8875	2.72	2.70	2.68	2.65	2.63
24.9500	2.61	2.59	2.56	2.54	2.52
25.0125	2.50	2.48	2.46	2.44	2.42
25.0750	2.40	2.38	2.36	2.34	2.32
25.1375	2.30	2.28	2.26	2.24	2.22
25.2000	2.20	2.18	2.16	2.14	2.12
25.2625	2.10	2.07	2.05	2.03	2.01
25.3250	1.99	1.97	1.96	1.94	1.92
25.3875	1.90	1.88	1.86	1.84	1.82
25.4500	1.81	1.79	1.77	1.75	1.74
25.5125	1.72	1.70	1.69	1.67	1.65
25.5750	1.64	1.62	1.60	1.58	1.56
25.6375	1.54	1.52	1.50	1.49	1.47
25.7000	1.45	1.43	1.42	1.40	1.38
25.7625	1.37	1.35	1.34	1.32	1.30
25.8250	1.29	1.27	1.26	1.24	1.23
25.8875	1.21	1.20	1.19	1.17	1.16
25.9500	1.14	1.12	1.11	1.09	1.07
26.0125	1.06	1.04	1.03	1.01	1.00
26.0750	.98	.97	.95	.94	.93
26.1375	.91	.90	.89	.87	.86
26.2000	.85	.83	.82	.81	.80
26.2625	.79	.77	.76	.75	.74
26.3250	.72	.71	.70	.68	.67
26.3875	.66	.65	.63	.62	.61
26.4500	.60	.59	.58	.57	.55
26.5125	.54	.53	.52	.51	.50
26.5750	.49	.49	.48	.47	.46
26.6375	.45	.44	.43	.42	.41
26.7000	.40	.39	.38	.37	.36
26.7625	.35	.34	.33	.32	.31
26.8250	.30	.29	.28	.28	.27
26.8875	.26	.25	.25	.24	.23
26.9500	.23	.22	.21	.21	.20
27.0125	.20	.19	.18	.18	.17
27.0750	.16	.16	.15	.14	.14
27.1375	.13	.12	.12	.11	.11
27.2000	.10	.10	.09	.09	.09
27.2625	.08	.08	.07	.07	.07
27.3250	.06	.06	.06	.06	.05
27.3875	.05	.05	.05	.04	.04

Type.... Pond Routed HYG (total out)

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Name.... DB AA OUT Tag: 25

Event: 25 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
27.4500	.04	.04	.04	.04	.03
27.5125	.03	.03	.03	.02	.02
27.5750	.02	.02	.02	.02	.02
27.6375	.01	.01	.01	.01	.01
27.7000	.01	.01	.01	.01	.01
27.7625	.01	.01	.01	.01	.00
27.8250	.00	.00	.00	.00	.00
27.8875	.00	.00			

Name... DB AA OUT Tag: 50

Event: 50 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 50

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB AA IN 50
Outflow HYG file = work_pad.hyg - DB AA OUT 50

Pond Node Data = DB AA
Pond Volume Data = DB AA
Pond Outlet Data = DB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 323.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 237.06 cfs at 12.2000 hrs
Peak Outflow = 94.90 cfs at 12.5875 hrs

Peak Elevation = 329.30 ft
Peak Storage = 372208 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 930484
- Infiltration = 0
- HYG Vol OUT = 930482
- Retained Vol = 0

Unrouted Vol = -1 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUT

HYG Tag = 50

 Peak Discharge = 94.90 cfs
 Time to Peak = 12.5875 hrs
 HYG Volume = 930482 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

11.2250	.00	.01	.11	.27	.46
11.2875	.65	.87	1.10	1.32	1.55
11.3500	1.77	1.98	2.20	2.39	2.60
11.4125	2.80	2.98	3.16	3.34	3.53
11.4750	3.70	3.86	4.03	4.20	4.37
11.5375	4.53	4.70	4.87	5.04	5.22
11.6000	5.41	5.61	5.81	6.01	6.23
11.6625	6.45	6.68	6.91	7.17	7.44
11.7250	7.72	8.02	8.34	8.67	9.02
11.7875	9.40	9.80	10.22	10.67	11.13
11.8500	11.63	12.15	12.70	13.27	14.37
11.9125	15.68	16.25	16.69	17.14	17.60
11.9750	18.08	18.56	19.06	19.57	20.10
12.0375	20.64	21.20	21.78	22.38	22.99
12.1000	23.61	24.24	24.88	25.52	26.17
12.1625	26.81	27.45	28.07	28.69	29.29
12.2250	29.87	30.43	30.97	31.48	32.68
12.2875	35.41	39.02	43.07	47.36	51.72
12.3500	56.04	60.23	64.23	68.04	71.63
12.4125	74.91	77.99	80.76	83.30	85.56
12.4750	87.53	89.26	90.74	91.98	92.99
12.5375	93.77	94.34	94.71	94.89	94.90
12.6000	94.75	94.45	94.03	93.47	92.80
12.6625	92.02	91.14	90.18	89.15	88.07
12.7250	86.97	85.82	84.64	83.43	82.20
12.7875	80.97	79.74	78.52	77.28	76.04
12.8500	74.82	73.65	72.48	71.32	70.18
12.9125	69.05	67.98	66.93	65.89	64.86
12.9750	63.84	62.86	61.92	61.00	60.09
13.0375	59.19	58.31	57.45	56.64	55.85
13.1000	55.06	54.29	53.52	52.77	52.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1625	51.38	50.71	50.05	49.40	48.76
13.2250	48.13	47.53	46.97	46.42	45.88
13.2875	45.34	44.82	44.31	43.80	43.30
13.3500	42.86	42.43	42.01	41.59	41.18
13.4125	40.77	40.37	39.98	39.60	39.24
13.4750	38.92	38.60	38.29	37.98	37.67
13.5375	37.37	37.07	36.78	36.49	36.20
13.6000	35.95	35.73	35.51	35.29	35.07
13.6625	34.85	34.64	34.42	34.21	34.00
13.7250	33.80	33.59	33.39	33.27	33.14
13.7875	33.02	32.89	32.77	32.65	32.52
13.8500	32.40	32.27	32.15	32.03	31.90
13.9125	31.78	31.73	31.70	31.67	31.64
13.9750	31.61	31.58	31.55	31.52	31.48
14.0375	31.45	31.42	31.39	31.36	31.32
14.1000	31.29	31.26	31.22	31.19	31.16
14.1625	31.12	31.09	31.05	31.02	30.99
14.2250	30.95	30.92	30.88	30.84	30.81
14.2875	30.77	30.74	30.70	30.67	30.63
14.3500	30.59	30.56	30.52	30.48	30.45
14.4125	30.41	30.37	30.33	30.30	30.26
14.4750	30.22	30.19	30.15	30.11	30.07
14.5375	30.03	30.00	29.96	29.92	29.88
14.6000	29.84	29.80	29.76	29.73	29.69
14.6625	29.65	29.61	29.57	29.53	29.49
14.7250	29.45	29.41	29.37	29.33	29.29
14.7875	29.25	29.21	29.17	29.13	29.09
14.8500	29.05	29.01	28.97	28.93	28.89
14.9125	28.85	28.81	28.77	28.72	28.68
14.9750	28.64	28.60	28.56	28.52	28.47
15.0375	28.43	28.39	28.35	28.31	28.26
15.1000	28.22	28.18	28.14	28.09	28.05
15.1625	28.01	27.96	27.92	27.88	27.83
15.2250	27.79	27.75	27.70	27.66	27.62
15.2875	27.57	27.53	27.48	27.44	27.39
15.3500	27.35	27.31	27.26	27.22	27.17
15.4125	27.13	27.08	27.04	26.99	26.95
15.4750	26.90	26.85	26.81	26.76	26.72
15.5375	26.67	26.62	26.58	26.53	26.48
15.6000	26.44	26.39	26.34	26.30	26.25
15.6625	26.20	26.16	26.11	26.06	26.01
15.7250	25.96	25.92	25.87	25.82	25.77
15.7875	25.72	25.68	25.63	25.58	25.53
15.8500	25.48	25.43	25.38	25.33	25.28
15.9125	25.23	25.19	25.14	25.09	25.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.9750	24.99	24.93	24.88	24.83	24.78
16.0375	24.73	24.68	24.63	24.58	24.53
16.1000	24.48	24.43	24.37	24.32	24.27
16.1625	24.22	24.17	24.12	24.06	24.01
16.2250	23.96	23.91	23.85	23.80	23.75
16.2875	23.70	23.64	23.59	23.54	23.49
16.3500	23.43	23.38	23.33	23.27	23.22
16.4125	23.17	23.11	23.06	23.01	22.96
16.4750	22.90	22.85	22.79	22.74	22.69
16.5375	22.63	22.58	22.53	22.47	22.42
16.6000	22.37	22.31	22.26	22.20	22.15
16.6625	22.10	22.04	21.99	21.94	21.88
16.7250	21.83	21.78	21.72	21.67	21.61
16.7875	21.56	21.51	21.45	21.40	21.35
16.8500	21.29	21.24	21.18	21.13	21.07
16.9125	21.02	20.97	20.91	20.86	20.81
16.9750	20.75	20.70	20.64	20.59	20.53
17.0375	20.48	20.43	20.37	20.32	20.26
17.1000	20.21	20.16	20.10	20.05	19.99
17.1625	19.94	19.88	19.83	19.78	19.72
17.2250	19.67	19.61	19.56	19.50	19.45
17.2875	19.40	19.34	19.29	19.23	19.18
17.3500	19.12	19.07	19.01	18.96	18.90
17.4125	18.85	18.80	18.74	18.69	18.63
17.4750	18.57	18.52	18.46	18.41	18.36
17.5375	18.30	18.25	18.19	18.14	18.08
17.6000	18.03	17.97	17.92	17.86	17.81
17.6625	17.75	17.69	17.64	17.59	17.53
17.7250	17.48	17.42	17.37	17.31	17.25
17.7875	17.20	17.14	17.09	17.03	16.98
17.8500	16.92	16.87	16.81	16.76	16.70
17.9125	16.65	16.59	16.54	16.48	16.42
17.9750	16.37	16.31	16.26	16.20	16.14
18.0375	16.09	16.03	15.98	15.93	15.86
18.1000	15.69	15.52	15.36	15.19	15.03
18.1625	14.87	14.72	14.56	14.41	14.27
18.2250	14.12	13.97	13.83	13.69	13.56
18.2875	13.42	13.36	13.30	13.24	13.17
18.3500	13.11	13.05	12.99	12.93	12.87
18.4125	12.81	12.75	12.70	12.64	12.58
18.4750	12.52	12.47	12.41	12.35	12.30
18.5375	12.24	12.19	12.14	12.08	12.03
18.6000	11.98	11.93	11.88	11.82	11.77
18.6625	11.72	11.67	11.62	11.57	11.53
18.7250	11.48	11.43	11.38	11.33	11.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.7875	11.24	11.19	11.15	11.10	11.05
18.8500	11.01	10.97	10.92	10.88	10.83
18.9125	10.79	10.75	10.70	10.66	10.62
18.9750	10.58	10.54	10.49	10.45	10.41
19.0375	10.37	10.33	10.29	10.25	10.21
19.1000	10.17	10.13	10.09	10.06	10.02
19.1625	9.98	9.94	9.91	9.87	9.84
19.2250	9.80	9.76	9.73	9.69	9.66
19.2875	9.62	9.59	9.55	9.52	9.49
19.3500	9.45	9.42	9.39	9.35	9.32
19.4125	9.29	9.25	9.22	9.19	9.16
19.4750	9.13	9.09	9.06	9.03	9.00
19.5375	8.97	8.94	8.91	8.88	8.86
19.6000	8.83	8.80	8.77	8.74	8.71
19.6625	8.69	8.66	8.63	8.60	8.58
19.7250	8.55	8.52	8.49	8.47	8.44
19.7875	8.42	8.39	8.36	8.34	8.31
19.8500	8.29	8.26	8.23	8.21	8.18
19.9125	8.16	8.13	8.11	8.09	8.06
19.9750	8.04	8.01	7.99	7.97	7.94
20.0375	7.92	7.90	7.87	7.85	7.83
20.1000	7.81	7.78	7.76	7.74	7.72
20.1625	7.70	7.67	7.65	7.63	7.61
20.2250	7.59	7.57	7.55	7.52	7.50
20.2875	7.48	7.46	7.44	7.42	7.40
20.3500	7.38	7.36	7.34	7.32	7.30
20.4125	7.28	7.26	7.24	7.22	7.20
20.4750	7.19	7.17	7.15	7.13	7.11
20.5375	7.09	7.07	7.05	7.04	7.02
20.6000	7.00	6.98	6.96	6.95	6.93
20.6625	6.91	6.90	6.88	6.86	6.85
20.7250	6.83	6.82	6.80	6.78	6.77
20.7875	6.75	6.74	6.72	6.70	6.69
20.8500	6.67	6.66	6.64	6.63	6.61
20.9125	6.60	6.58	6.57	6.55	6.54
20.9750	6.52	6.51	6.49	6.48	6.46
21.0375	6.45	6.43	6.42	6.40	6.39
21.1000	6.38	6.36	6.35	6.33	6.32
21.1625	6.31	6.29	6.28	6.26	6.25
21.2250	6.24	6.22	6.21	6.20	6.18
21.2875	6.17	6.16	6.14	6.13	6.12
21.3500	6.10	6.09	6.08	6.07	6.05
21.4125	6.04	6.03	6.02	6.00	5.99
21.4750	5.98	5.97	5.96	5.94	5.93
21.5375	5.92	5.91	5.90	5.88	5.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6000	5.86	5.85	5.84	5.83	5.81
21.6625	5.80	5.79	5.78	5.77	5.76
21.7250	5.75	5.73	5.72	5.71	5.70
21.7875	5.69	5.68	5.67	5.66	5.65
21.8500	5.64	5.62	5.61	5.60	5.59
21.9125	5.58	5.57	5.56	5.55	5.54
21.9750	5.53	5.52	5.51	5.50	5.49
22.0375	5.48	5.47	5.46	5.45	5.44
22.1000	5.43	5.42	5.41	5.40	5.39
22.1625	5.38	5.37	5.36	5.35	5.34
22.2250	5.33	5.32	5.31	5.30	5.29
22.2875	5.28	5.27	5.26	5.25	5.24
22.3500	5.23	5.22	5.21	5.20	5.19
22.4125	5.18	5.17	5.17	5.16	5.15
22.4750	5.14	5.13	5.12	5.11	5.11
22.5375	5.10	5.09	5.08	5.07	5.06
22.6000	5.06	5.05	5.04	5.03	5.02
22.6625	5.01	5.01	5.00	4.99	4.98
22.7250	4.97	4.97	4.96	4.95	4.94
22.7875	4.93	4.93	4.92	4.91	4.90
22.8500	4.90	4.89	4.88	4.87	4.86
22.9125	4.86	4.85	4.84	4.83	4.83
22.9750	4.82	4.81	4.80	4.79	4.79
23.0375	4.78	4.77	4.76	4.76	4.75
23.1000	4.74	4.73	4.73	4.72	4.71
23.1625	4.70	4.70	4.69	4.68	4.67
23.2250	4.67	4.66	4.65	4.64	4.64
23.2875	4.63	4.62	4.62	4.61	4.60
23.3500	4.59	4.59	4.58	4.57	4.56
23.4125	4.56	4.55	4.54	4.54	4.53
23.4750	4.52	4.52	4.51	4.50	4.49
23.5375	4.49	4.48	4.47	4.47	4.46
23.6000	4.45	4.44	4.44	4.43	4.42
23.6625	4.42	4.41	4.40	4.40	4.39
23.7250	4.38	4.38	4.37	4.36	4.36
23.7875	4.35	4.34	4.34	4.33	4.32
23.8500	4.31	4.31	4.30	4.29	4.29
23.9125	4.28	4.27	4.27	4.26	4.25
23.9750	4.24	4.24	4.23	4.22	4.22
24.0375	4.21	4.20	4.20	4.19	4.18
24.1000	4.17	4.17	4.16	4.15	4.14
24.1625	4.13	4.12	4.11	4.10	4.09
24.2250	4.08	4.06	4.05	4.03	4.02
24.2875	4.00	3.99	3.97	3.95	3.93
24.3500	3.92	3.90	3.88	3.86	3.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.4125	3.82	3.80	3.78	3.76	3.74
24.4750	3.72	3.69	3.67	3.65	3.63
24.5375	3.61	3.59	3.57	3.54	3.52
24.6000	3.50	3.47	3.45	3.43	3.40
24.6625	3.38	3.35	3.33	3.31	3.28
24.7250	3.26	3.24	3.22	3.19	3.17
24.7875	3.15	3.13	3.10	3.08	3.06
24.8500	3.04	3.02	3.00	2.98	2.95
24.9125	2.93	2.91	2.89	2.87	2.85
24.9750	2.83	2.80	2.78	2.76	2.73
25.0375	2.71	2.69	2.66	2.64	2.62
25.1000	2.60	2.58	2.55	2.53	2.51
25.1625	2.49	2.47	2.45	2.43	2.41
25.2250	2.39	2.37	2.35	2.33	2.31
25.2875	2.29	2.27	2.25	2.23	2.21
25.3500	2.19	2.17	2.15	2.13	2.11
25.4125	2.09	2.06	2.04	2.02	2.00
25.4750	1.98	1.97	1.95	1.93	1.91
25.5375	1.89	1.87	1.85	1.83	1.82
25.6000	1.80	1.78	1.76	1.75	1.73
25.6625	1.71	1.69	1.68	1.66	1.64
25.7250	1.63	1.61	1.59	1.57	1.55
25.7875	1.53	1.51	1.50	1.48	1.46
25.8500	1.44	1.43	1.41	1.39	1.38
25.9125	1.36	1.34	1.33	1.31	1.30
25.9750	1.28	1.27	1.25	1.24	1.22
26.0375	1.21	1.19	1.18	1.16	1.15
26.1000	1.13	1.12	1.10	1.08	1.07
26.1625	1.05	1.04	1.02	1.01	.99
26.2250	.98	.96	.95	.93	.92
26.2875	.91	.89	.88	.87	.85
26.3500	.84	.83	.82	.80	.79
26.4125	.78	.77	.76	.75	.73
26.4750	.72	.70	.69	.68	.67
26.5375	.65	.64	.63	.62	.60
26.6000	.59	.58	.57	.56	.55
26.6625	.54	.53	.52	.51	.50
26.7250	.49	.48	.47	.46	.45
26.7875	.45	.44	.43	.42	.41
26.8500	.39	.38	.37	.36	.35
26.9125	.34	.33	.32	.31	.30
26.9750	.30	.29	.28	.27	.26
27.0375	.26	.25	.24	.24	.23
27.1000	.22	.22	.21	.20	.20
27.1625	.19	.19	.18	.17	.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
27.2250	.16	.15	.14	.14	.13
27.2875	.13	.12	.12	.11	.10
27.3500	.10	.10	.09	.09	.08
27.4125	.08	.08	.07	.07	.07
27.4750	.06	.06	.06	.05	.05
27.5375	.05	.05	.05	.04	.04
27.6000	.04	.04	.04	.03	.03
27.6625	.03	.03	.03	.02	.02
27.7250	.02	.02	.02	.02	.01
27.7875	.01	.01	.01	.01	.01
27.8500	.01	.01	.01	.01	.01
27.9125	.01	.01	.01	.01	.00
27.9750	.00	.00	.00	.00	.00
28.0375	.00				

Name... DB AA OUT Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB AA IN 100
Outflow HYG file = work_pad.hyg - DB AA OUT 100

Pond Node Data = DB AA
Pond Volume Data = DB AA
Pond Outlet Data = DB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 323.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 255.36 cfs at 12.2000 hrs
Peak Outflow = 116.19 cfs at 12.5375 hrs

Peak Elevation = 329.58 ft
Peak Storage = 392894 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 1021935
- Infiltration = 0
- HYG Vol OUT = 1021935
- Retained Vol = 0

Unrouted Vol = 0 cu.ft (.000% of Outflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUT

HYG Tag = 100

 Peak Discharge = 116.19 cfs
 Time to Peak = 12.5375 hrs
 HYG Volume = 1021935 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

11.0000	.00	.07	.21	.38	.55
11.0625	.76	.96	1.18	1.38	1.59
11.1250	1.78	1.97	2.17	2.35	2.52
11.1875	2.70	2.88	3.03	3.19	3.34
11.2500	3.50	3.65	3.80	3.94	4.09
11.3125	4.23	4.38	4.52	4.67	4.81
11.3750	4.96	5.11	5.27	5.44	5.60
11.4375	5.77	5.94	6.11	6.29	6.47
11.5000	6.65	6.83	7.02	7.22	7.42
11.5625	7.62	7.83	8.04	8.25	8.47
11.6250	8.70	8.93	9.18	9.43	9.69
11.6875	9.97	10.26	10.56	10.88	11.22
11.7500	11.57	11.94	12.33	12.74	13.18
11.8125	13.87	14.88	15.90	16.25	16.61
11.8750	16.98	17.36	17.74	18.14	18.54
11.9375	18.96	19.38	19.82	20.26	20.72
12.0000	21.20	21.69	22.20	22.72	23.27
12.0625	23.83	24.41	25.01	25.62	26.24
12.1250	26.87	27.51	28.14	28.78	29.41
12.1875	30.03	30.65	31.24	32.04	34.97
12.2500	39.27	44.42	49.98	55.73	61.52
12.3125	67.22	72.75	78.02	82.96	87.56
12.3750	91.83	95.69	99.22	102.34	105.15
12.4375	107.58	109.66	111.46	112.94	114.12
12.5000	115.02	115.66	116.04	116.19	116.14
12.5625	115.88	115.43	114.81	114.03	113.09
12.6250	112.03	110.85	109.58	108.24	106.81
12.6875	105.31	103.74	102.13	100.52	98.88
12.7500	97.23	95.55	93.91	92.28	90.64
12.8125	89.00	87.41	85.85	84.30	82.76
12.8750	81.26	79.82	78.40	77.01	75.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
12.9375	74.32	73.05	71.80	70.58	69.37
13.0000	68.23	67.12	66.03	64.96	63.91
13.0625	62.88	61.92	60.98	60.04	59.13
13.1250	58.23	57.36	56.54	55.74	54.95
13.1875	54.17	53.41	52.66	51.96	51.29
13.2500	50.63	49.98	49.34	48.71	48.10
13.3125	47.51	46.97	46.44	45.91	45.40
13.3750	44.89	44.40	43.91	43.44	43.01
13.4375	42.59	42.19	41.79	41.40	41.01
13.5000	40.63	40.26	39.89	39.53	39.21
13.5625	38.90	38.60	38.31	38.01	37.73
13.6250	37.44	37.16	36.88	36.61	36.34
13.6875	36.07	35.86	35.65	35.44	35.23
13.7500	35.03	34.82	34.62	34.42	34.22
13.8125	34.03	33.83	33.64	33.44	33.31
13.8750	33.19	33.07	32.95	32.84	32.72
13.9375	32.60	32.48	32.36	32.25	32.13
14.0000	32.01	31.89	31.78	31.73	31.70
14.0625	31.67	31.64	31.61	31.58	31.55
14.1250	31.52	31.49	31.46	31.43	31.40
14.1875	31.37	31.34	31.31	31.28	31.24
14.2500	31.21	31.18	31.15	31.11	31.08
14.3125	31.05	31.01	30.98	30.95	30.91
14.3750	30.88	30.85	30.81	30.78	30.74
14.4375	30.71	30.68	30.64	30.61	30.57
14.5000	30.54	30.50	30.47	30.43	30.40
14.5625	30.36	30.32	30.29	30.25	30.22
14.6250	30.18	30.15	30.11	30.07	30.04
14.6875	30.00	29.96	29.93	29.89	29.85
14.7500	29.82	29.78	29.74	29.70	29.67
14.8125	29.63	29.59	29.55	29.51	29.48
14.8750	29.44	29.40	29.36	29.32	29.29
14.9375	29.25	29.21	29.17	29.13	29.09
15.0000	29.05	29.01	28.97	28.93	28.89
15.0625	28.86	28.82	28.78	28.73	28.69
15.1250	28.65	28.61	28.57	28.53	28.49
15.1875	28.45	28.41	28.37	28.33	28.29
15.2500	28.25	28.20	28.16	28.12	28.08
15.3125	28.04	28.00	27.95	27.91	27.87
15.3750	27.83	27.78	27.74	27.70	27.65
15.4375	27.61	27.57	27.53	27.48	27.44
15.5000	27.39	27.35	27.31	27.26	27.22
15.5625	27.17	27.13	27.09	27.04	27.00
15.6250	26.95	26.91	26.86	26.82	26.77
15.6875	26.73	26.68	26.64	26.59	26.54

Name.... DB AA OUT Tag: 100

Event: 100 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.7500	26.50	26.45	26.40	26.36	26.31
15.8125	26.27	26.22	26.17	26.13	26.08
15.8750	26.03	25.98	25.94	25.89	25.84
15.9375	25.79	25.74	25.70	25.65	25.60
16.0000	25.55	25.50	25.45	25.40	25.36
16.0625	25.31	25.26	25.21	25.16	25.11
16.1250	25.06	25.01	24.96	24.91	24.86
16.1875	24.81	24.76	24.71	24.66	24.61
16.2500	24.56	24.51	24.45	24.40	24.35
16.3125	24.30	24.25	24.20	24.15	24.10
16.3750	24.05	23.99	23.94	23.89	23.84
16.4375	23.79	23.73	23.68	23.63	23.58
16.5000	23.53	23.48	23.42	23.37	23.32
16.5625	23.27	23.22	23.16	23.11	23.06
16.6250	23.01	22.96	22.90	22.85	22.80
16.6875	22.75	22.69	22.64	22.59	22.54
16.7500	22.49	22.43	22.38	22.33	22.28
16.8125	22.22	22.17	22.12	22.07	22.01
16.8750	21.96	21.91	21.86	21.80	21.75
16.9375	21.70	21.64	21.59	21.54	21.48
17.0000	21.43	21.38	21.33	21.27	21.22
17.0625	21.17	21.11	21.06	21.01	20.95
17.1250	20.90	20.85	20.80	20.74	20.69
17.1875	20.64	20.58	20.53	20.48	20.42
17.2500	20.37	20.32	20.26	20.21	20.16
17.3125	20.11	20.05	20.00	19.94	19.89
17.3750	19.84	19.78	19.73	19.68	19.62
17.4375	19.57	19.52	19.46	19.41	19.36
17.5000	19.30	19.25	19.19	19.14	19.09
17.5625	19.03	18.98	18.92	18.87	18.82
17.6250	18.76	18.71	18.66	18.60	18.55
17.6875	18.49	18.44	18.38	18.33	18.28
17.7500	18.22	18.17	18.12	18.06	18.01
17.8125	17.95	17.90	17.84	17.79	17.73
17.8750	17.68	17.62	17.57	17.52	17.46
17.9375	17.41	17.35	17.30	17.24	17.19
18.0000	17.13	17.08	17.02	16.97	16.91
18.0625	16.86	16.80	16.75	16.70	16.64
18.1250	16.59	16.53	16.47	16.42	16.36
18.1875	16.31	16.25	16.20	16.14	16.09
18.2500	16.03	15.98	15.93	15.86	15.69
18.3125	15.53	15.37	15.20	15.05	14.89
18.3750	14.74	14.59	14.44	14.29	14.15
18.4375	14.01	13.87	13.74	13.60	13.47
18.5000	13.39	13.32	13.26	13.20	13.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.5625	13.09	13.03	12.97	12.91	12.85
18.6250	12.80	12.74	12.68	12.63	12.57
18.6875	12.52	12.46	12.41	12.36	12.30
18.7500	12.25	12.20	12.15	12.10	12.05
18.8125	12.00	11.95	11.90	11.85	11.80
18.8750	11.75	11.70	11.66	11.61	11.56
18.9375	11.51	11.47	11.42	11.38	11.33
19.0000	11.29	11.24	11.20	11.15	11.11
19.0625	11.07	11.02	10.98	10.94	10.90
19.1250	10.85	10.81	10.77	10.73	10.69
19.1875	10.65	10.61	10.57	10.53	10.49
19.2500	10.45	10.41	10.37	10.33	10.30
19.3125	10.26	10.22	10.18	10.15	10.11
19.3750	10.07	10.04	10.00	9.97	9.93
19.4375	9.90	9.86	9.83	9.79	9.76
19.5000	9.73	9.69	9.66	9.63	9.59
19.5625	9.56	9.53	9.50	9.47	9.43
19.6250	9.40	9.37	9.34	9.31	9.28
19.6875	9.25	9.22	9.19	9.16	9.13
19.7500	9.10	9.07	9.04	9.01	8.98
19.8125	8.95	8.92	8.90	8.87	8.84
19.8750	8.81	8.79	8.76	8.73	8.71
19.9375	8.68	8.66	8.63	8.60	8.58
20.0000	8.55	8.53	8.50	8.48	8.45
20.0625	8.43	8.40	8.38	8.35	8.33
20.1250	8.30	8.28	8.26	8.23	8.21
20.1875	8.18	8.16	8.14	8.11	8.09
20.2500	8.07	8.04	8.02	8.00	7.98
20.3125	7.96	7.93	7.91	7.89	7.87
20.3750	7.85	7.83	7.81	7.78	7.76
20.4375	7.74	7.72	7.70	7.68	7.66
20.5000	7.64	7.62	7.60	7.58	7.56
20.5625	7.54	7.52	7.50	7.48	7.47
20.6250	7.45	7.43	7.41	7.39	7.37
20.6875	7.35	7.33	7.32	7.30	7.28
20.7500	7.26	7.24	7.22	7.21	7.19
20.8125	7.17	7.15	7.14	7.12	7.10
20.8750	7.08	7.07	7.05	7.03	7.02
20.9375	7.00	6.98	6.97	6.95	6.93
21.0000	6.92	6.90	6.89	6.87	6.86
21.0625	6.84	6.83	6.81	6.80	6.78
21.1250	6.77	6.75	6.74	6.72	6.71
21.1875	6.70	6.68	6.67	6.65	6.64
21.2500	6.62	6.61	6.60	6.58	6.57
21.3125	6.55	6.54	6.53	6.51	6.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3750	6.49	6.47	6.46	6.44	6.43
21.4375	6.42	6.40	6.39	6.38	6.37
21.5000	6.35	6.34	6.33	6.31	6.30
21.5625	6.29	6.27	6.26	6.25	6.24
21.6250	6.22	6.21	6.20	6.19	6.17
21.6875	6.16	6.15	6.14	6.13	6.11
21.7500	6.10	6.09	6.08	6.07	6.05
21.8125	6.04	6.03	6.02	6.01	6.00
21.8750	5.98	5.97	5.96	5.95	5.94
21.9375	5.93	5.92	5.91	5.90	5.89
22.0000	5.87	5.86	5.85	5.84	5.83
22.0625	5.82	5.81	5.80	5.79	5.78
22.1250	5.77	5.76	5.75	5.74	5.73
22.1875	5.71	5.70	5.69	5.68	5.67
22.2500	5.66	5.65	5.64	5.63	5.62
22.3125	5.61	5.60	5.59	5.58	5.57
22.3750	5.56	5.55	5.54	5.53	5.52
22.4375	5.51	5.50	5.49	5.48	5.48
22.5000	5.47	5.46	5.45	5.44	5.43
22.5625	5.42	5.41	5.40	5.39	5.38
22.6250	5.37	5.36	5.35	5.34	5.33
22.6875	5.32	5.32	5.31	5.30	5.29
22.7500	5.28	5.27	5.26	5.25	5.24
22.8125	5.23	5.22	5.22	5.21	5.20
22.8750	5.19	5.18	5.17	5.16	5.15
22.9375	5.15	5.14	5.13	5.12	5.11
23.0000	5.11	5.10	5.09	5.08	5.07
23.0625	5.07	5.06	5.05	5.04	5.04
23.1250	5.03	5.02	5.01	5.00	5.00
23.1875	4.99	4.98	4.97	4.97	4.96
23.2500	4.95	4.94	4.94	4.93	4.92
23.3125	4.91	4.90	4.90	4.89	4.88
23.3750	4.87	4.87	4.86	4.85	4.84
23.4375	4.84	4.83	4.82	4.82	4.81
23.5000	4.80	4.79	4.79	4.78	4.77
23.5625	4.76	4.76	4.75	4.74	4.73
23.6250	4.73	4.72	4.71	4.71	4.70
23.6875	4.69	4.68	4.68	4.67	4.66
23.7500	4.66	4.65	4.64	4.63	4.63
23.8125	4.62	4.61	4.61	4.60	4.59
23.8750	4.58	4.58	4.57	4.56	4.56
23.9375	4.55	4.54	4.54	4.53	4.52
24.0000	4.52	4.51	4.50	4.49	4.49
24.0625	4.48	4.47	4.47	4.46	4.45
24.1250	4.44	4.43	4.42	4.42	4.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.1875	4.39	4.38	4.37	4.36	4.35
24.2500	4.33	4.32	4.30	4.28	4.27
24.3125	4.25	4.23	4.21	4.19	4.17
24.3750	4.15	4.13	4.11	4.09	4.06
24.4375	4.04	4.02	4.00	3.97	3.95
24.5000	3.93	3.91	3.88	3.86	3.84
24.5625	3.82	3.79	3.77	3.75	3.72
24.6250	3.70	3.68	3.66	3.63	3.61
24.6875	3.59	3.57	3.54	3.52	3.49
24.7500	3.47	3.45	3.42	3.40	3.37
24.8125	3.35	3.33	3.30	3.28	3.26
24.8750	3.23	3.21	3.19	3.16	3.14
24.9375	3.12	3.10	3.08	3.05	3.03
25.0000	3.01	2.99	2.97	2.95	2.93
25.0625	2.91	2.88	2.86	2.84	2.82
25.1250	2.79	2.77	2.75	2.72	2.70
25.1875	2.68	2.66	2.63	2.61	2.59
25.2500	2.57	2.55	2.52	2.50	2.48
25.3125	2.46	2.44	2.42	2.40	2.38
25.3750	2.36	2.34	2.32	2.30	2.28
25.4375	2.26	2.24	2.22	2.20	2.18
25.5000	2.16	2.14	2.12	2.10	2.08
25.5625	2.06	2.04	2.02	2.00	1.98
25.6250	1.96	1.94	1.92	1.90	1.88
25.6875	1.86	1.85	1.83	1.81	1.79
25.7500	1.77	1.76	1.74	1.72	1.71
25.8125	1.69	1.67	1.66	1.64	1.62
25.8750	1.60	1.58	1.56	1.54	1.53
25.9375	1.51	1.49	1.47	1.45	1.44
26.0000	1.42	1.40	1.39	1.37	1.35
26.0625	1.34	1.32	1.31	1.29	1.28
26.1250	1.26	1.25	1.23	1.22	1.20
26.1875	1.19	1.17	1.16	1.14	1.13
26.2500	1.11	1.09	1.08	1.06	1.05
26.3125	1.03	1.01	1.00	.98	.97
26.3750	.96	.94	.93	.91	.90
26.4375	.89	.87	.86	.85	.84
26.5000	.82	.81	.80	.79	.78
26.5625	.76	.75	.74	.73	.71
26.6250	.70	.69	.67	.66	.65
26.6875	.64	.62	.61	.60	.59
26.7500	.58	.57	.56	.55	.54
26.8125	.53	.52	.51	.50	.49
26.8750	.48	.47	.46	.45	.44
26.9375	.43	.43	.41	.40	.39

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
27.0000	.38	.37	.36	.35	.34
27.0625	.33	.32	.31	.30	.29
27.1250	.28	.28	.27	.26	.25
27.1875	.25	.24	.23	.23	.22
27.2500	.21	.21	.20	.20	.19
27.3125	.19	.18	.17	.16	.16
27.3750	.15	.14	.14	.13	.12
27.4375	.12	.11	.11	.10	.10
27.5000	.09	.09	.09	.08	.08
27.5625	.07	.07	.07	.07	.06
27.6250	.06	.06	.05	.05	.05
27.6875	.05	.04	.04	.04	.04
27.7500	.04	.04	.03	.03	.03
27.8125	.03	.02	.02	.02	.02
27.8750	.02	.02	.02	.01	.01
27.9375	.01	.01	.01	.01	.01
28.0000	.01	.01	.01	.01	.01
28.0625	.01	.01	.00	.00	.00
28.1250	.00	.00	.00	.00	.00

Type... Outlet Input Data
Name... DB AA Outlet

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 323.00 ft
Increment = .10 ft
Max. Elev.= 330.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.	Outfall	E1, ft	E2, ft
-----	----	-----	-----	-----
Orifice-Circular	O1	---> TW	323.000	330.000
Weir-Rectangular	W2	---> TW	328.000	330.000
TW SETUP, DS Channel				

OUTLET STRUCTURE INPUT DATA

Structure ID = O1
Structure Type = Orifice-Circular

of Openings = 1
Invert Elev. = 323.00 ft
Diameter = 24.00 in
Orifice Coeff. = .630

Structure ID = W2
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 328.00 ft
Weir Length = 12.00 ft
Weir Coeff. = 3.300000

Weir TW effects (Use adjustment equation)

Structure ID = TW
Structure Type = TW SETUP, DS Channel

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...
Maximum Iterations= 30
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .10 cfs
Max. Q tolerance = .10 cfs

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUTLET

HYG Tag = 2

Peak Discharge = 17.24 cfs
 Time to Peak = 12.9750 hrs
 HYG Volume = 297711 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

12.2000	.00	.06	.42	.96	1.61
12.2625	2.26	2.90	3.49	4.03	4.56
12.3250	5.08	5.62	6.15	6.68	7.21
12.3875	7.73	8.23	8.73	9.21	9.68
12.4500	10.12	10.56	10.98	11.38	11.77
12.5125	12.13	12.48	12.82	13.13	13.43
12.5750	14.02	14.57	15.08	15.55	15.91
12.6375	16.04	16.16	16.27	16.37	16.47
12.7000	16.55	16.63	16.70	16.76	16.82
12.7625	16.87	16.92	16.96	17.00	17.03
12.8250	17.06	17.09	17.12	17.14	17.16
12.8875	17.18	17.19	17.20	17.21	17.22
12.9500	17.23	17.23	17.24	17.24	17.24
13.0125	17.24	17.23	17.23	17.22	17.22
13.0750	17.21	17.20	17.19	17.18	17.16
13.1375	17.15	17.14	17.12	17.10	17.09
13.2000	17.07	17.05	17.03	17.01	16.99
13.2625	16.97	16.95	16.92	16.90	16.88
13.3250	16.86	16.83	16.81	16.78	16.76
13.3875	16.73	16.71	16.68	16.66	16.63
13.4500	16.60	16.58	16.55	16.52	16.49
13.5125	16.46	16.43	16.41	16.38	16.35
13.5750	16.32	16.29	16.26	16.23	16.20
13.6375	16.17	16.14	16.11	16.08	16.05
13.7000	16.02	15.99	15.96	15.93	15.90
13.7625	15.85	15.75	15.66	15.56	15.47
13.8250	15.37	15.28	15.19	15.10	15.01
13.8875	14.92	14.83	14.74	14.65	14.56
13.9500	14.47	14.39	14.30	14.22	14.13
14.0125	14.05	13.97	13.88	13.80	13.72
14.0750	13.64	13.56	13.48	13.41	13.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.1375	13.34	13.30	13.26	13.23	13.19
14.2000	13.15	13.11	13.08	13.04	13.00
14.2625	12.96	12.93	12.89	12.85	12.81
14.3250	12.78	12.74	12.70	12.67	12.63
14.3875	12.59	12.56	12.52	12.48	12.45
14.4500	12.41	12.38	12.34	12.30	12.27
14.5125	12.23	12.20	12.16	12.13	12.09
14.5750	12.06	12.03	11.99	11.96	11.92
14.6375	11.89	11.85	11.82	11.79	11.75
14.7000	11.72	11.69	11.65	11.62	11.59
14.7625	11.55	11.52	11.49	11.45	11.42
14.8250	11.39	11.35	11.32	11.29	11.26
14.8875	11.22	11.19	11.16	11.13	11.09
14.9500	11.06	11.03	11.00	10.97	10.93
15.0125	10.90	10.87	10.84	10.81	10.78
15.0750	10.75	10.71	10.68	10.65	10.62
15.1375	10.59	10.56	10.53	10.50	10.47
15.2000	10.44	10.41	10.37	10.34	10.31
15.2625	10.28	10.25	10.22	10.19	10.16
15.3250	10.13	10.10	10.07	10.04	10.01
15.3875	9.98	9.95	9.92	9.90	9.87
15.4500	9.84	9.81	9.78	9.75	9.72
15.5125	9.69	9.66	9.63	9.61	9.58
15.5750	9.55	9.52	9.49	9.46	9.43
15.6375	9.41	9.38	9.35	9.32	9.29
15.7000	9.26	9.23	9.21	9.18	9.15
15.7625	9.12	9.09	9.07	9.04	9.01
15.8250	8.98	8.95	8.93	8.90	8.87
15.8875	8.85	8.82	8.79	8.77	8.74
15.9500	8.71	8.69	8.66	8.63	8.61
16.0125	8.58	8.55	8.53	8.50	8.47
16.0750	8.45	8.42	8.39	8.37	8.34
16.1375	8.31	8.29	8.26	8.24	8.21
16.2000	8.18	8.16	8.13	8.10	8.08
16.2625	8.05	8.03	8.00	7.97	7.95
16.3250	7.92	7.90	7.87	7.85	7.82
16.3875	7.80	7.78	7.75	7.73	7.70
16.4500	7.68	7.65	7.63	7.61	7.58
16.5125	7.56	7.53	7.51	7.49	7.46
16.5750	7.44	7.42	7.39	7.37	7.35
16.6375	7.32	7.30	7.28	7.26	7.23
16.7000	7.21	7.19	7.17	7.14	7.12
16.7625	7.10	7.08	7.05	7.03	7.01
16.8250	6.99	6.97	6.95	6.93	6.91
16.8875	6.89	6.87	6.85	6.83	6.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.9500	6.79	6.77	6.75	6.73	6.71
17.0125	6.69	6.67	6.65	6.63	6.61
17.0750	6.59	6.57	6.55	6.54	6.52
17.1375	6.50	6.48	6.46	6.44	6.42
17.2000	6.40	6.39	6.37	6.35	6.33
17.2625	6.31	6.29	6.28	6.26	6.24
17.3250	6.22	6.20	6.19	6.17	6.15
17.3875	6.13	6.11	6.10	6.08	6.06
17.4500	6.04	6.03	6.01	5.99	5.98
17.5125	5.96	5.94	5.92	5.91	5.89
17.5750	5.87	5.86	5.84	5.83	5.81
17.6375	5.79	5.78	5.76	5.74	5.73
17.7000	5.71	5.69	5.68	5.66	5.65
17.7625	5.63	5.61	5.60	5.58	5.57
17.8250	5.55	5.53	5.52	5.50	5.49
17.8875	5.47	5.46	5.44	5.42	5.41
17.9500	5.39	5.38	5.36	5.35	5.33
18.0125	5.32	5.30	5.28	5.27	5.25
18.0750	5.24	5.22	5.21	5.19	5.18
18.1375	5.16	5.15	5.13	5.12	5.11
18.2000	5.09	5.08	5.07	5.05	5.04
18.2625	5.02	5.01	5.00	4.98	4.97
18.3250	4.96	4.94	4.93	4.92	4.91
18.3875	4.89	4.88	4.87	4.85	4.84
18.4500	4.83	4.81	4.80	4.79	4.78
18.5125	4.76	4.75	4.74	4.73	4.71
18.5750	4.70	4.69	4.68	4.67	4.65
18.6375	4.64	4.63	4.62	4.61	4.59
18.7000	4.58	4.57	4.56	4.55	4.53
18.7625	4.52	4.51	4.50	4.49	4.48
18.8250	4.47	4.45	4.44	4.43	4.42
18.8875	4.41	4.40	4.39	4.38	4.37
18.9500	4.36	4.35	4.33	4.32	4.31
19.0125	4.30	4.29	4.28	4.27	4.26
19.0750	4.25	4.24	4.23	4.21	4.20
19.1375	4.19	4.18	4.17	4.16	4.15
19.2000	4.14	4.13	4.12	4.11	4.10
19.2625	4.09	4.08	4.07	4.06	4.05
19.3250	4.04	4.03	4.02	4.01	4.00
19.3875	3.99	3.98	3.97	3.96	3.95
19.4500	3.94	3.93	3.92	3.91	3.91
19.5125	3.90	3.89	3.88	3.87	3.86
19.5750	3.85	3.84	3.83	3.82	3.81
19.6375	3.81	3.80	3.79	3.78	3.77
19.7000	3.76	3.75	3.74	3.74	3.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.7625	3.72	3.71	3.70	3.69	3.68
19.8250	3.68	3.67	3.66	3.65	3.64
19.8875	3.63	3.63	3.62	3.61	3.60
19.9500	3.59	3.59	3.58	3.57	3.56
20.0125	3.55	3.55	3.54	3.53	3.52
20.0750	3.51	3.50	3.49	3.48	3.48
20.1375	3.47	3.46	3.45	3.44	3.43
20.2000	3.42	3.42	3.41	3.40	3.39
20.2625	3.38	3.38	3.37	3.36	3.35
20.3250	3.34	3.34	3.33	3.32	3.31
20.3875	3.30	3.30	3.29	3.28	3.27
20.4500	3.27	3.26	3.25	3.24	3.24
20.5125	3.23	3.22	3.21	3.21	3.20
20.5750	3.19	3.19	3.18	3.17	3.16
20.6375	3.16	3.15	3.14	3.14	3.13
20.7000	3.12	3.12	3.11	3.10	3.09
20.7625	3.09	3.08	3.07	3.07	3.06
20.8250	3.05	3.05	3.04	3.03	3.03
20.8875	3.02	3.02	3.01	3.00	3.00
20.9500	2.99	2.98	2.98	2.97	2.97
21.0125	2.96	2.95	2.95	2.94	2.93
21.0750	2.93	2.92	2.92	2.91	2.90
21.1375	2.90	2.89	2.89	2.88	2.88
21.2000	2.87	2.86	2.86	2.85	2.85
21.2625	2.84	2.83	2.83	2.82	2.81
21.3250	2.81	2.80	2.79	2.79	2.78
21.3875	2.77	2.77	2.76	2.76	2.75
21.4500	2.74	2.74	2.73	2.72	2.72
21.5125	2.71	2.71	2.70	2.69	2.69
21.5750	2.68	2.68	2.67	2.67	2.66
21.6375	2.65	2.65	2.64	2.64	2.63
21.7000	2.63	2.62	2.61	2.61	2.60
21.7625	2.60	2.59	2.59	2.58	2.58
21.8250	2.57	2.57	2.56	2.56	2.55
21.8875	2.54	2.54	2.53	2.53	2.52
21.9500	2.52	2.51	2.51	2.50	2.50
22.0125	2.49	2.49	2.48	2.48	2.47
22.0750	2.47	2.46	2.46	2.45	2.45
22.1375	2.45	2.44	2.44	2.43	2.43
22.2000	2.42	2.42	2.41	2.41	2.40
22.2625	2.40	2.39	2.39	2.38	2.38
22.3250	2.38	2.37	2.37	2.36	2.36
22.3875	2.35	2.35	2.34	2.34	2.34
22.4500	2.33	2.33	2.32	2.32	2.31
22.5125	2.31	2.31	2.30	2.30	2.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.5750	2.29	2.29	2.28	2.28	2.27
22.6375	2.27	2.26	2.26	2.26	2.25
22.7000	2.25	2.24	2.24	2.24	2.23
22.7625	2.23	2.22	2.22	2.22	2.21
22.8250	2.21	2.20	2.20	2.20	2.19
22.8875	2.19	2.18	2.18	2.17	2.17
22.9500	2.16	2.16	2.16	2.15	2.15
23.0125	2.14	2.14	2.13	2.13	2.13
23.0750	2.12	2.12	2.11	2.11	2.11
23.1375	2.10	2.10	2.09	2.09	2.09
23.2000	2.08	2.08	2.07	2.07	2.07
23.2625	2.06	2.06	2.05	2.05	2.05
23.3250	2.04	2.04	2.03	2.03	2.03
23.3875	2.02	2.02	2.02	2.01	2.01
23.4500	2.00	2.00	2.00	1.99	1.99
23.5125	1.99	1.98	1.98	1.98	1.97
23.5750	1.97	1.96	1.96	1.96	1.95
23.6375	1.95	1.95	1.94	1.94	1.94
23.7000	1.93	1.93	1.93	1.92	1.92
23.7625	1.92	1.91	1.91	1.91	1.90
23.8250	1.90	1.90	1.89	1.89	1.89
23.8875	1.88	1.88	1.88	1.87	1.87
23.9500	1.87	1.86	1.86	1.86	1.85
24.0125	1.85	1.85	1.84	1.84	1.84
24.0750	1.83	1.83	1.82	1.82	1.82
24.1375	1.81	1.81	1.80	1.80	1.79
24.2000	1.78	1.78	1.77	1.76	1.75
24.2625	1.75	1.74	1.73	1.72	1.71
24.3250	1.69	1.68	1.67	1.66	1.65
24.3875	1.63	1.62	1.60	1.59	1.57
24.4500	1.56	1.54	1.52	1.51	1.49
24.5125	1.48	1.46	1.44	1.43	1.41
24.5750	1.40	1.38	1.37	1.35	1.34
24.6375	1.32	1.31	1.29	1.28	1.26
24.7000	1.25	1.23	1.22	1.20	1.19
24.7625	1.18	1.16	1.15	1.13	1.11
24.8250	1.10	1.08	1.07	1.05	1.03
24.8875	1.02	1.00	.99	.97	.96
24.9500	.95	.93	.92	.90	.89
25.0125	.88	.86	.85	.84	.83
25.0750	.81	.80	.79	.78	.77
25.1375	.76	.74	.73	.72	.70
25.2000	.69	.68	.66	.65	.64
25.2625	.63	.62	.60	.59	.58
25.3250	.57	.56	.55	.54	.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
25.3875	.52	.51	.50	.49	.48
25.4500	.47	.46	.45	.45	.44
25.5125	.43	.42	.41	.39	.38
25.5750	.37	.36	.35	.34	.33
25.6375	.32	.31	.30	.30	.29
25.7000	.28	.27	.26	.26	.25
25.7625	.24	.23	.23	.22	.22
25.8250	.21	.20	.20	.19	.19
25.8875	.18	.17	.17	.16	.15
25.9500	.14	.14	.13	.13	.12
26.0125	.11	.11	.10	.10	.10
26.0750	.09	.09	.08	.08	.08
26.1375	.07	.07	.07	.06	.06
26.2000	.06	.05	.05	.05	.05
26.2625	.05	.04	.04	.04	.04
26.3250	.04	.03	.03	.03	.03
26.3875	.03	.02	.02	.02	.02
26.4500	.02	.02	.01	.01	.01
26.5125	.01	.01	.01	.01	.01
26.5750	.01	.01	.01	.01	.01
26.6375	.01	.01	.00	.00	.00
26.7000	.00	.00	.00	.00	.00

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUTLET

HYG Tag = 10

 Peak Discharge = 33.37 cfs
 Time to Peak = 12.8625 hrs
 HYG Volume = 657194 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.8125	.00	.10	.37	.72	1.15
11.8750	1.59	2.05	2.51	2.98	3.42
11.9375	3.86	4.30	4.76	5.24	5.78
12.0000	6.37	6.99	7.69	8.45	9.26
12.0625	10.15	11.10	12.11	13.19	15.33
12.1250	16.49	17.26	18.03	18.78	19.51
12.1875	20.22	20.91	21.57	22.21	22.82
12.2500	23.40	23.95	24.48	24.98	25.45
12.3125	25.89	26.31	26.71	27.08	27.43
12.3750	27.76	28.08	28.37	28.65	28.91
12.4375	29.15	29.39	29.61	29.81	30.01
12.5000	30.19	30.36	30.52	30.68	30.82
12.5625	30.95	31.07	31.18	31.29	31.39
12.6250	31.48	31.56	31.63	31.70	31.81
12.6875	32.04	32.25	32.43	32.60	32.74
12.7500	32.86	32.97	33.06	33.14	33.21
12.8125	33.26	33.30	33.33	33.36	33.37
12.8750	33.37	33.36	33.35	33.33	33.31
12.9375	33.27	33.24	33.19	33.14	33.09
13.0000	33.03	32.97	32.90	32.84	32.76
13.0625	32.69	32.61	32.52	32.44	32.35
13.1250	32.26	32.17	32.07	31.97	31.88
13.1875	31.78	31.73	31.71	31.68	31.66
13.2500	31.63	31.60	31.58	31.55	31.52
13.3125	31.49	31.46	31.43	31.40	31.37
13.3750	31.34	31.31	31.28	31.25	31.22
13.4375	31.18	31.15	31.12	31.09	31.06
13.5000	31.02	30.99	30.96	30.92	30.89
13.5625	30.85	30.82	30.79	30.75	30.72
13.6250	30.68	30.65	30.61	30.58	30.54
13.6875	30.51	30.47	30.43	30.40	30.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.7500	30.32	30.29	30.25	30.21	30.18
13.8125	30.14	30.10	30.06	30.02	29.99
13.8750	29.95	29.91	29.87	29.83	29.79
13.9375	29.75	29.71	29.67	29.63	29.59
14.0000	29.55	29.51	29.47	29.43	29.39
14.0625	29.35	29.31	29.27	29.22	29.18
14.1250	29.14	29.10	29.05	29.01	28.97
14.1875	28.93	28.88	28.84	28.80	28.75
14.2500	28.71	28.67	28.62	28.58	28.53
14.3125	28.49	28.45	28.40	28.36	28.31
14.3750	28.27	28.22	28.18	28.13	28.09
14.4375	28.04	28.00	27.95	27.91	27.86
14.5000	27.81	27.77	27.72	27.68	27.63
14.5625	27.59	27.54	27.49	27.45	27.40
14.6250	27.35	27.31	27.26	27.22	27.17
14.6875	27.12	27.08	27.03	26.98	26.93
14.7500	26.89	26.84	26.79	26.75	26.70
14.8125	26.65	26.60	26.56	26.51	26.46
14.8750	26.41	26.36	26.32	26.27	26.22
14.9375	26.17	26.12	26.08	26.03	25.98
15.0000	25.93	25.88	25.83	25.78	25.74
15.0625	25.69	25.64	25.59	25.54	25.49
15.1250	25.44	25.39	25.34	25.29	25.24
15.1875	25.19	25.14	25.09	25.04	24.99
15.2500	24.94	24.89	24.84	24.79	24.74
15.3125	24.69	24.64	24.59	24.54	24.49
15.3750	24.44	24.39	24.34	24.28	24.23
15.4375	24.18	24.13	24.08	24.03	23.98
15.5000	23.92	23.87	23.82	23.77	23.72
15.5625	23.66	23.61	23.56	23.51	23.45
15.6250	23.40	23.35	23.30	23.24	23.19
15.6875	23.14	23.09	23.03	22.98	22.93
15.7500	22.87	22.82	22.76	22.71	22.66
15.8125	22.60	22.55	22.50	22.44	22.39
15.8750	22.33	22.28	22.22	22.17	22.11
15.9375	22.06	22.00	21.95	21.90	21.84
16.0000	21.79	21.73	21.67	21.62	21.56
16.0625	21.51	21.45	21.40	21.34	21.29
16.1250	21.23	21.18	21.12	21.06	21.01
16.1875	20.95	20.89	20.84	20.78	20.73
16.2500	20.67	20.61	20.56	20.50	20.44
16.3125	20.39	20.33	20.27	20.22	20.16
16.3750	20.10	20.05	19.99	19.93	19.87
16.4375	19.82	19.76	19.70	19.65	19.59
16.5000	19.53	19.48	19.42	19.36	19.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
16.5625	19.24	19.19	19.13	19.07	19.02
16.6250	18.96	18.90	18.85	18.79	18.73
16.6875	18.67	18.62	18.56	18.50	18.44
16.7500	18.39	18.33	18.27	18.21	18.16
16.8125	18.10	18.04	17.99	17.93	17.87
16.8750	17.81	17.75	17.70	17.64	17.58
16.9375	17.53	17.47	17.41	17.36	17.30
17.0000	17.24	17.18	17.12	17.07	17.01
17.0625	16.95	16.90	16.84	16.78	16.73
17.1250	16.67	16.61	16.55	16.50	16.44
17.1875	16.38	16.32	16.27	16.21	16.15
17.2500	16.10	16.04	15.98	15.93	15.86
17.3125	15.68	15.51	15.34	15.17	15.01
17.3750	14.85	14.69	14.53	14.38	14.23
17.4375	14.08	13.93	13.78	13.64	13.50
17.5000	13.40	13.33	13.27	13.20	13.14
17.5625	13.08	13.01	12.95	12.89	12.83
17.6250	12.77	12.71	12.65	12.59	12.53
17.6875	12.47	12.41	12.35	12.29	12.23
17.7500	12.18	12.12	12.07	12.01	11.95
17.8125	11.90	11.84	11.79	11.74	11.68
17.8750	11.63	11.58	11.52	11.47	11.42
17.9375	11.37	11.32	11.26	11.21	11.16
18.0000	11.11	11.06	11.01	10.96	10.91
18.0625	10.87	10.82	10.77	10.72	10.67
18.1250	10.63	10.58	10.53	10.48	10.44
18.1875	10.39	10.35	10.30	10.25	10.21
18.2500	10.16	10.12	10.07	10.03	9.99
18.3125	9.95	9.90	9.86	9.82	9.78
18.3750	9.74	9.70	9.65	9.61	9.57
18.4375	9.53	9.49	9.45	9.41	9.38
18.5000	9.34	9.30	9.26	9.22	9.18
18.5625	9.15	9.11	9.07	9.04	9.00
18.6250	8.96	8.93	8.89	8.86	8.83
18.6875	8.79	8.76	8.73	8.69	8.66
18.7500	8.63	8.59	8.56	8.53	8.50
18.8125	8.47	8.43	8.40	8.37	8.34
18.8750	8.31	8.28	8.25	8.22	8.19
18.9375	8.16	8.13	8.10	8.07	8.04
19.0000	8.01	7.98	7.95	7.93	7.90
19.0625	7.87	7.85	7.82	7.79	7.76
19.1250	7.74	7.71	7.69	7.66	7.63
19.1875	7.61	7.58	7.56	7.53	7.51
19.2500	7.48	7.46	7.43	7.41	7.38
19.3125	7.36	7.33	7.31	7.29	7.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3750	7.24	7.21	7.19	7.17	7.14
19.4375	7.12	7.10	7.08	7.05	7.03
19.5000	7.01	6.99	6.96	6.94	6.92
19.5625	6.90	6.88	6.86	6.84	6.82
19.6250	6.80	6.78	6.76	6.74	6.72
19.6875	6.70	6.68	6.66	6.65	6.63
19.7500	6.61	6.59	6.57	6.55	6.53
19.8125	6.51	6.50	6.48	6.46	6.44
19.8750	6.42	6.40	6.39	6.37	6.35
19.9375	6.33	6.32	6.30	6.28	6.26
20.0000	6.25	6.23	6.21	6.19	6.18
20.0625	6.16	6.14	6.13	6.11	6.09
20.1250	6.08	6.06	6.05	6.03	6.01
20.1875	6.00	5.98	5.97	5.95	5.94
20.2500	5.92	5.91	5.89	5.88	5.86
20.3125	5.85	5.83	5.82	5.80	5.79
20.3750	5.77	5.76	5.74	5.73	5.72
20.4375	5.70	5.69	5.67	5.66	5.65
20.5000	5.63	5.62	5.60	5.59	5.58
20.5625	5.56	5.55	5.54	5.52	5.51
20.6250	5.50	5.48	5.47	5.46	5.44
20.6875	5.43	5.42	5.41	5.39	5.38
20.7500	5.37	5.35	5.34	5.33	5.32
20.8125	5.30	5.29	5.28	5.27	5.26
20.8750	5.24	5.23	5.22	5.21	5.20
20.9375	5.18	5.17	5.16	5.15	5.14
21.0000	5.13	5.12	5.11	5.10	5.09
21.0625	5.08	5.06	5.05	5.04	5.03
21.1250	5.02	5.01	5.00	4.99	4.98
21.1875	4.97	4.96	4.95	4.94	4.93
21.2500	4.92	4.91	4.90	4.89	4.89
21.3125	4.88	4.87	4.86	4.85	4.84
21.3750	4.83	4.82	4.81	4.80	4.79
21.4375	4.78	4.77	4.76	4.75	4.74
21.5000	4.73	4.73	4.72	4.71	4.70
21.5625	4.69	4.68	4.67	4.66	4.65
21.6250	4.64	4.64	4.63	4.62	4.61
21.6875	4.60	4.59	4.58	4.58	4.57
21.7500	4.56	4.55	4.54	4.53	4.52
21.8125	4.52	4.51	4.50	4.49	4.48
21.8750	4.47	4.47	4.46	4.45	4.44
21.9375	4.43	4.42	4.42	4.41	4.40
22.0000	4.39	4.38	4.38	4.37	4.36
22.0625	4.35	4.35	4.34	4.33	4.32
22.1250	4.31	4.31	4.30	4.29	4.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.1875	4.27	4.27	4.26	4.25	4.24
22.2500	4.23	4.23	4.22	4.21	4.20
22.3125	4.19	4.19	4.18	4.17	4.16
22.3750	4.16	4.15	4.14	4.13	4.13
22.4375	4.12	4.11	4.10	4.10	4.09
22.5000	4.08	4.07	4.07	4.06	4.05
22.5625	4.04	4.04	4.03	4.02	4.02
22.6250	4.01	4.00	3.99	3.99	3.98
22.6875	3.97	3.97	3.96	3.95	3.94
22.7500	3.94	3.93	3.92	3.92	3.91
22.8125	3.90	3.90	3.89	3.88	3.88
22.8750	3.87	3.86	3.86	3.85	3.84
22.9375	3.84	3.83	3.82	3.82	3.81
23.0000	3.80	3.80	3.79	3.78	3.78
23.0625	3.77	3.76	3.76	3.75	3.74
23.1250	3.74	3.73	3.72	3.72	3.71
23.1875	3.71	3.70	3.69	3.69	3.68
23.2500	3.67	3.67	3.66	3.65	3.65
23.3125	3.64	3.64	3.63	3.62	3.62
23.3750	3.61	3.61	3.60	3.59	3.59
23.4375	3.58	3.57	3.57	3.56	3.56
23.5000	3.55	3.54	3.54	3.53	3.52
23.5625	3.52	3.51	3.50	3.50	3.49
23.6250	3.48	3.48	3.47	3.47	3.46
23.6875	3.45	3.45	3.44	3.43	3.43
23.7500	3.42	3.41	3.41	3.40	3.40
23.8125	3.39	3.38	3.38	3.37	3.36
23.8750	3.36	3.35	3.35	3.34	3.33
23.9375	3.33	3.32	3.31	3.31	3.30
24.0000	3.30	3.29	3.28	3.28	3.27
24.0625	3.27	3.26	3.25	3.25	3.24
24.1250	3.23	3.23	3.22	3.21	3.20
24.1875	3.19	3.18	3.17	3.16	3.15
24.2500	3.14	3.13	3.11	3.10	3.09
24.3125	3.07	3.06	3.04	3.02	3.01
24.3750	2.99	2.97	2.96	2.94	2.92
24.4375	2.90	2.89	2.87	2.85	2.83
24.5000	2.81	2.79	2.76	2.74	2.72
24.5625	2.70	2.68	2.66	2.64	2.61
24.6250	2.59	2.57	2.55	2.53	2.51
24.6875	2.49	2.47	2.45	2.43	2.41
24.7500	2.39	2.37	2.35	2.33	2.31
24.8125	2.29	2.27	2.25	2.23	2.21
24.8750	2.19	2.17	2.15	2.13	2.11
24.9375	2.09	2.07	2.05	2.03	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
25.0000	1.99	1.97	1.95	1.93	1.91
25.0625	1.89	1.87	1.85	1.84	1.82
25.1250	1.80	1.78	1.76	1.75	1.73
25.1875	1.71	1.70	1.68	1.66	1.65
25.2500	1.63	1.61	1.59	1.57	1.55
25.3125	1.53	1.52	1.50	1.48	1.46
25.3750	1.44	1.43	1.41	1.39	1.38
25.4375	1.36	1.35	1.33	1.31	1.30
25.5000	1.28	1.27	1.25	1.24	1.22
25.5625	1.21	1.19	1.18	1.17	1.15
25.6250	1.13	1.12	1.10	1.08	1.07
25.6875	1.05	1.04	1.02	1.01	.99
25.7500	.98	.96	.95	.93	.92
25.8125	.91	.89	.88	.87	.85
25.8750	.84	.83	.82	.80	.79
25.9375	.78	.77	.76	.75	.73
26.0000	.72	.71	.69	.68	.67
26.0625	.65	.64	.63	.62	.61
26.1250	.59	.58	.57	.56	.55
26.1875	.54	.53	.52	.51	.50
26.2500	.49	.48	.47	.46	.46
26.3125	.45	.44	.43	.42	.41
26.3750	.40	.38	.37	.36	.35
26.4375	.34	.33	.32	.31	.31
26.5000	.30	.29	.28	.27	.26
26.5625	.26	.25	.24	.24	.23
26.6250	.22	.22	.21	.20	.20
26.6875	.19	.19	.18	.18	.17
26.7500	.16	.15	.15	.14	.13
26.8125	.13	.12	.12	.11	.11
26.8750	.10	.10	.09	.09	.08
26.9375	.08	.08	.07	.07	.07
27.0000	.06	.06	.06	.06	.05
27.0625	.05	.05	.05	.04	.04
27.1250	.04	.04	.04	.03	.03
27.1875	.03	.03	.03	.02	.02
27.2500	.02	.02	.02	.02	.02
27.3125	.01	.01	.01	.01	.01
27.3750	.01	.01	.01	.01	.01
27.4375	.01	.01	.01	.01	.00
27.5000	.00	.00	.00	.00	.00
27.5625	.00				

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUTLET

HYG Tag = 25

 Peak Discharge = 73.50 cfs
 Time to Peak = 12.6375 hrs
 HYG Volume = 839182 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.4500	.00	.02	.13	.31	.52
11.5125	.76	1.00	1.25	1.50	1.75
11.5750	1.99	2.24	2.47	2.70	2.93
11.6375	3.15	3.37	3.59	3.80	4.01
11.7000	4.23	4.46	4.69	4.93	5.18
11.7625	5.46	5.76	6.08	6.42	6.77
11.8250	7.15	7.55	7.98	8.44	8.92
11.8875	9.43	9.97	10.55	11.14	11.77
11.9500	12.43	13.13	14.37	15.91	16.45
12.0125	17.01	17.58	18.16	18.76	19.37
12.0750	19.99	20.63	21.27	21.93	22.59
12.1375	23.25	23.91	24.57	25.22	25.86
12.2000	26.48	27.09	27.68	28.24	28.79
12.2625	29.31	29.80	30.27	30.72	31.15
12.3250	31.55	32.48	34.33	36.75	39.42
12.3875	42.31	45.20	48.01	50.82	53.47
12.4500	56.02	58.38	60.61	62.62	64.49
12.5125	66.18	67.66	68.94	70.09	71.04
12.5750	71.83	72.45	72.92	73.25	73.44
12.6375	73.50	73.44	73.27	73.00	72.65
12.7000	72.23	71.73	71.17	70.55	69.88
12.7625	69.17	68.45	67.71	66.94	66.15
12.8250	65.34	64.52	63.70	62.88	62.10
12.8875	61.31	60.52	59.73	58.94	58.15
12.9500	57.39	56.66	55.93	55.21	54.49
13.0125	53.78	53.07	52.38	51.74	51.10
13.0750	50.47	49.84	49.22	48.61	48.00
13.1375	47.42	46.88	46.34	45.80	45.27
13.2000	44.75	44.24	43.73	43.23	42.79
13.2625	42.35	41.91	41.49	41.06	40.65
13.3250	40.23	39.83	39.43	39.09	38.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.3875	38.42	38.10	37.77	37.46	37.14
13.4500	36.83	36.53	36.23	35.96	35.72
13.5125	35.49	35.26	35.03	34.80	34.57
13.5750	34.35	34.13	33.91	33.69	33.47
13.6375	33.31	33.18	33.05	32.92	32.79
13.7000	32.66	32.53	32.40	32.27	32.14
13.7625	32.01	31.88	31.75	31.72	31.69
13.8250	31.66	31.63	31.60	31.56	31.53
13.8875	31.50	31.47	31.43	31.40	31.37
13.9500	31.33	31.30	31.27	31.23	31.20
14.0125	31.16	31.13	31.09	31.06	31.02
14.0750	30.99	30.95	30.92	30.88	30.84
14.1375	30.81	30.77	30.73	30.69	30.66
14.2000	30.62	30.58	30.54	30.51	30.47
14.2625	30.43	30.39	30.35	30.31	30.27
14.3250	30.23	30.20	30.16	30.12	30.08
14.3875	30.04	30.00	29.96	29.92	29.88
14.4500	29.84	29.80	29.76	29.72	29.68
14.5125	29.64	29.60	29.55	29.51	29.47
14.5750	29.43	29.39	29.35	29.31	29.27
14.6375	29.22	29.18	29.14	29.10	29.06
14.7000	29.02	28.97	28.93	28.89	28.85
14.7625	28.80	28.76	28.72	28.68	28.63
14.8250	28.59	28.55	28.50	28.46	28.42
14.8875	28.38	28.33	28.29	28.24	28.20
14.9500	28.16	28.11	28.07	28.03	27.98
15.0125	27.94	27.89	27.85	27.80	27.76
15.0750	27.71	27.67	27.62	27.58	27.54
15.1375	27.49	27.44	27.40	27.35	27.31
15.2000	27.26	27.22	27.17	27.13	27.08
15.2625	27.03	26.99	26.94	26.89	26.85
15.3250	26.80	26.75	26.71	26.66	26.61
15.3875	26.57	26.52	26.47	26.42	26.38
15.4500	26.33	26.28	26.23	26.19	26.14
15.5125	26.09	26.04	25.99	25.95	25.90
15.5750	25.85	25.80	25.75	25.70	25.65
15.6375	25.61	25.56	25.51	25.46	25.41
15.7000	25.36	25.31	25.26	25.21	25.16
15.7625	25.11	25.06	25.01	24.96	24.91
15.8250	24.86	24.80	24.75	24.70	24.65
15.8875	24.60	24.55	24.50	24.45	24.39
15.9500	24.34	24.29	24.24	24.19	24.14
16.0125	24.08	24.03	23.98	23.93	23.87
16.0750	23.82	23.77	23.71	23.66	23.61
16.1375	23.56	23.50	23.45	23.39	23.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
16.2000	23.29	23.23	23.18	23.12	23.07
16.2625	23.02	22.96	22.91	22.85	22.80
16.3250	22.74	22.69	22.63	22.58	22.53
16.3875	22.47	22.42	22.36	22.31	22.25
16.4500	22.20	22.14	22.09	22.03	21.98
16.5125	21.92	21.87	21.81	21.76	21.70
16.5750	21.65	21.59	21.54	21.48	21.43
16.6375	21.38	21.32	21.27	21.21	21.15
16.7000	21.10	21.04	20.99	20.93	20.88
16.7625	20.82	20.77	20.72	20.66	20.60
16.8250	20.55	20.49	20.44	20.38	20.33
16.8875	20.27	20.22	20.16	20.11	20.05
16.9500	20.00	19.94	19.88	19.83	19.77
17.0125	19.72	19.66	19.61	19.55	19.50
17.0750	19.44	19.39	19.33	19.28	19.22
17.1375	19.16	19.11	19.05	19.00	18.94
17.2000	18.89	18.83	18.78	18.72	18.66
17.2625	18.61	18.55	18.50	18.44	18.38
17.3250	18.33	18.27	18.22	18.16	18.11
17.3875	18.05	18.00	17.94	17.88	17.83
17.4500	17.77	17.71	17.66	17.60	17.55
17.5125	17.49	17.44	17.38	17.33	17.27
17.5750	17.21	17.16	17.10	17.04	16.99
17.6375	16.93	16.88	16.82	16.76	16.71
17.7000	16.65	16.60	16.54	16.48	16.43
17.7625	16.37	16.31	16.26	16.20	16.14
17.8250	16.09	16.03	15.98	15.92	15.85
17.8875	15.68	15.51	15.34	15.18	15.02
17.9500	14.86	14.70	14.55	14.39	14.24
18.0125	14.10	13.95	13.81	13.67	13.53
18.0750	13.41	13.35	13.28	13.22	13.16
18.1375	13.09	13.03	12.97	12.91	12.85
18.2000	12.79	12.73	12.67	12.61	12.55
18.2625	12.49	12.43	12.37	12.31	12.26
18.3250	12.20	12.15	12.09	12.04	11.98
18.3875	11.93	11.87	11.82	11.77	11.72
18.4500	11.66	11.61	11.56	11.51	11.46
18.5125	11.41	11.36	11.31	11.26	11.21
18.5750	11.16	11.11	11.07	11.02	10.97
18.6375	10.93	10.88	10.83	10.79	10.74
18.7000	10.70	10.65	10.61	10.56	10.52
18.7625	10.48	10.43	10.39	10.35	10.31
18.8250	10.26	10.22	10.18	10.14	10.10
18.8875	10.06	10.02	9.98	9.94	9.90
18.9500	9.86	9.83	9.79	9.75	9.71

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0125	9.68	9.64	9.60	9.57	9.53
19.0750	9.49	9.46	9.42	9.39	9.35
19.1375	9.32	9.28	9.25	9.21	9.18
19.2000	9.15	9.11	9.08	9.05	9.01
19.2625	8.98	8.95	8.92	8.89	8.86
19.3250	8.83	8.80	8.77	8.74	8.71
19.3875	8.68	8.65	8.62	8.59	8.56
19.4500	8.53	8.50	8.48	8.45	8.42
19.5125	8.39	8.36	8.34	8.31	8.28
19.5750	8.26	8.23	8.20	8.18	8.15
19.6375	8.12	8.10	8.07	8.04	8.02
19.7000	7.99	7.97	7.94	7.92	7.89
19.7625	7.87	7.85	7.82	7.80	7.78
19.8250	7.75	7.73	7.70	7.68	7.66
19.8875	7.64	7.61	7.59	7.57	7.55
19.9500	7.52	7.50	7.48	7.46	7.43
20.0125	7.41	7.39	7.37	7.35	7.33
20.0750	7.31	7.28	7.26	7.24	7.22
20.1375	7.20	7.18	7.16	7.14	7.12
20.2000	7.10	7.08	7.06	7.04	7.02
20.2625	7.00	6.98	6.96	6.94	6.93
20.3250	6.91	6.89	6.87	6.85	6.84
20.3875	6.82	6.80	6.78	6.77	6.75
20.4500	6.73	6.72	6.70	6.68	6.67
20.5125	6.65	6.63	6.62	6.60	6.58
20.5750	6.57	6.55	6.53	6.52	6.50
20.6375	6.49	6.47	6.45	6.44	6.42
20.7000	6.41	6.39	6.38	6.36	6.35
20.7625	6.33	6.32	6.30	6.29	6.27
20.8250	6.26	6.24	6.23	6.21	6.20
20.8875	6.18	6.17	6.15	6.14	6.12
20.9500	6.11	6.10	6.08	6.07	6.05
21.0125	6.04	6.03	6.01	6.00	5.99
21.0750	5.97	5.96	5.95	5.94	5.92
21.1375	5.91	5.90	5.88	5.87	5.86
21.2000	5.85	5.83	5.82	5.81	5.80
21.2625	5.78	5.77	5.76	5.75	5.74
21.3250	5.72	5.71	5.70	5.69	5.68
21.3875	5.66	5.65	5.64	5.63	5.62
21.4500	5.61	5.59	5.58	5.57	5.56
21.5125	5.55	5.54	5.53	5.51	5.50
21.5750	5.49	5.48	5.47	5.46	5.45
21.6375	5.44	5.43	5.41	5.40	5.39
21.7000	5.38	5.37	5.36	5.35	5.34
21.7625	5.33	5.32	5.31	5.30	5.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8250	5.28	5.27	5.26	5.25	5.24
21.8875	5.23	5.22	5.21	5.20	5.19
21.9500	5.18	5.17	5.16	5.15	5.14
22.0125	5.13	5.12	5.11	5.10	5.09
22.0750	5.08	5.07	5.07	5.06	5.05
22.1375	5.04	5.03	5.02	5.01	5.00
22.2000	5.00	4.99	4.98	4.97	4.96
22.2625	4.95	4.95	4.94	4.93	4.92
22.3250	4.91	4.90	4.89	4.89	4.88
22.3875	4.87	4.86	4.85	4.85	4.84
22.4500	4.83	4.82	4.81	4.80	4.80
22.5125	4.79	4.78	4.77	4.76	4.76
22.5750	4.75	4.74	4.73	4.72	4.72
22.6375	4.71	4.70	4.69	4.69	4.68
22.7000	4.67	4.66	4.65	4.65	4.64
22.7625	4.63	4.62	4.62	4.61	4.60
22.8250	4.59	4.59	4.58	4.57	4.56
22.8875	4.56	4.55	4.54	4.53	4.53
22.9500	4.52	4.51	4.50	4.50	4.49
23.0125	4.48	4.47	4.47	4.46	4.45
23.0750	4.45	4.44	4.43	4.42	4.42
23.1375	4.41	4.40	4.40	4.39	4.38
23.2000	4.37	4.37	4.36	4.35	4.35
23.2625	4.34	4.33	4.32	4.32	4.31
23.3250	4.30	4.30	4.29	4.28	4.27
23.3875	4.27	4.26	4.25	4.25	4.24
23.4500	4.23	4.22	4.22	4.21	4.20
23.5125	4.20	4.19	4.18	4.18	4.17
23.5750	4.16	4.15	4.15	4.14	4.13
23.6375	4.13	4.12	4.11	4.11	4.10
23.7000	4.09	4.09	4.08	4.07	4.07
23.7625	4.06	4.05	4.05	4.04	4.03
23.8250	4.03	4.02	4.01	4.01	4.00
23.8875	3.99	3.99	3.98	3.97	3.97
23.9500	3.96	3.95	3.95	3.94	3.93
24.0125	3.93	3.92	3.91	3.91	3.90
24.0750	3.89	3.89	3.88	3.87	3.87
24.1375	3.86	3.85	3.84	3.83	3.82
24.2000	3.81	3.80	3.79	3.78	3.76
24.2625	3.75	3.74	3.72	3.71	3.69
24.3250	3.67	3.66	3.64	3.62	3.61
24.3875	3.59	3.57	3.55	3.53	3.51
24.4500	3.49	3.46	3.44	3.42	3.40
24.5125	3.38	3.35	3.33	3.31	3.29
24.5750	3.27	3.24	3.22	3.20	3.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.6375	3.16	3.13	3.11	3.09	3.07
24.7000	3.05	3.03	3.00	2.98	2.96
24.7625	2.94	2.92	2.90	2.88	2.86
24.8250	2.84	2.81	2.79	2.77	2.74
24.8875	2.72	2.70	2.68	2.65	2.63
24.9500	2.61	2.59	2.56	2.54	2.52
25.0125	2.50	2.48	2.46	2.44	2.42
25.0750	2.40	2.38	2.36	2.34	2.32
25.1375	2.30	2.28	2.26	2.24	2.22
25.2000	2.20	2.18	2.16	2.14	2.12
25.2625	2.10	2.07	2.05	2.03	2.01
25.3250	1.99	1.97	1.96	1.94	1.92
25.3875	1.90	1.88	1.86	1.84	1.82
25.4500	1.81	1.79	1.77	1.75	1.74
25.5125	1.72	1.70	1.69	1.67	1.65
25.5750	1.64	1.62	1.60	1.58	1.56
25.6375	1.54	1.52	1.50	1.49	1.47
25.7000	1.45	1.43	1.42	1.40	1.38
25.7625	1.37	1.35	1.34	1.32	1.30
25.8250	1.29	1.27	1.26	1.24	1.23
25.8875	1.21	1.20	1.19	1.17	1.16
25.9500	1.14	1.12	1.11	1.09	1.07
26.0125	1.06	1.04	1.03	1.01	1.00
26.0750	.98	.97	.95	.94	.93
26.1375	.91	.90	.89	.87	.86
26.2000	.85	.83	.82	.81	.80
26.2625	.79	.77	.76	.75	.74
26.3250	.72	.71	.70	.68	.67
26.3875	.66	.65	.63	.62	.61
26.4500	.60	.59	.58	.57	.55
26.5125	.54	.53	.52	.51	.50
26.5750	.49	.49	.48	.47	.46
26.6375	.45	.44	.43	.42	.41
26.7000	.40	.39	.38	.37	.36
26.7625	.35	.34	.33	.32	.31
26.8250	.30	.29	.28	.28	.27
26.8875	.26	.25	.25	.24	.23
26.9500	.23	.22	.21	.21	.20
27.0125	.20	.19	.18	.18	.17
27.0750	.16	.16	.15	.14	.14
27.1375	.13	.12	.12	.11	.11
27.2000	.10	.10	.09	.09	.09
27.2625	.08	.08	.07	.07	.07
27.3250	.06	.06	.06	.06	.05
27.3875	.05	.05	.05	.04	.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
27.4500	.04	.04	.04	.04	.03
27.5125	.03	.03	.03	.02	.02
27.5750	.02	.02	.02	.02	.02
27.6375	.01	.01	.01	.01	.01
27.7000	.01	.01	.01	.01	.01
27.7625	.01	.01	.01	.01	.00
27.8250	.00	.00	.00	.00	.00
27.8875	.00	.00	.00	.00	.00

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUTLET

HYG Tag = 50

 Peak Discharge = 94.90 cfs
 Time to Peak = 12.5875 hrs
 HYG Volume = 930482 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
11.2250	.00	.01	.11	.27	.46
11.2875	.65	.87	1.10	1.32	1.55
11.3500	1.77	1.98	2.20	2.39	2.60
11.4125	2.80	2.98	3.16	3.34	3.53
11.4750	3.70	3.86	4.03	4.20	4.37
11.5375	4.53	4.70	4.87	5.04	5.22
11.6000	5.41	5.61	5.81	6.01	6.23
11.6625	6.45	6.68	6.91	7.17	7.44
11.7250	7.72	8.02	8.34	8.67	9.02
11.7875	9.40	9.80	10.22	10.67	11.13
11.8500	11.63	12.15	12.70	13.27	14.37
11.9125	15.68	16.25	16.69	17.14	17.60
11.9750	18.08	18.56	19.06	19.57	20.10
12.0375	20.64	21.20	21.78	22.38	22.99
12.1000	23.61	24.24	24.88	25.52	26.17
12.1625	26.81	27.45	28.07	28.69	29.29
12.2250	29.87	30.43	30.97	31.48	32.68
12.2875	35.41	39.02	43.07	47.36	51.72
12.3500	56.04	60.23	64.23	68.04	71.63
12.4125	74.91	77.99	80.76	83.30	85.56
12.4750	87.53	89.26	90.74	91.98	92.99
12.5375	93.77	94.34	94.71	94.89	94.90
12.6000	94.75	94.45	94.03	93.47	92.80
12.6625	92.02	91.14	90.18	89.15	88.07
12.7250	86.97	85.82	84.64	83.43	82.20
12.7875	80.97	79.74	78.52	77.28	76.04
12.8500	74.82	73.65	72.48	71.32	70.18
12.9125	69.05	67.98	66.93	65.89	64.86
12.9750	63.84	62.86	61.92	61.00	60.09
13.0375	59.19	58.31	57.45	56.64	55.85
13.1000	55.06	54.29	53.52	52.77	52.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1625	51.38	50.71	50.05	49.40	48.76
13.2250	48.13	47.53	46.97	46.42	45.88
13.2875	45.34	44.82	44.31	43.80	43.30
13.3500	42.86	42.43	42.01	41.59	41.18
13.4125	40.77	40.37	39.98	39.60	39.24
13.4750	38.92	38.60	38.29	37.98	37.67
13.5375	37.37	37.07	36.78	36.49	36.20
13.6000	35.95	35.73	35.51	35.29	35.07
13.6625	34.85	34.64	34.42	34.21	34.00
13.7250	33.80	33.59	33.39	33.27	33.14
13.7875	33.02	32.89	32.77	32.65	32.52
13.8500	32.40	32.27	32.15	32.03	31.90
13.9125	31.78	31.73	31.70	31.67	31.64
13.9750	31.61	31.58	31.55	31.52	31.48
14.0375	31.45	31.42	31.39	31.36	31.32
14.1000	31.29	31.26	31.22	31.19	31.16
14.1625	31.12	31.09	31.05	31.02	30.99
14.2250	30.95	30.92	30.88	30.84	30.81
14.2875	30.77	30.74	30.70	30.67	30.63
14.3500	30.59	30.56	30.52	30.48	30.45
14.4125	30.41	30.37	30.33	30.30	30.26
14.4750	30.22	30.19	30.15	30.11	30.07
14.5375	30.03	30.00	29.96	29.92	29.88
14.6000	29.84	29.80	29.76	29.73	29.69
14.6625	29.65	29.61	29.57	29.53	29.49
14.7250	29.45	29.41	29.37	29.33	29.29
14.7875	29.25	29.21	29.17	29.13	29.09
14.8500	29.05	29.01	28.97	28.93	28.89
14.9125	28.85	28.81	28.77	28.72	28.68
14.9750	28.64	28.60	28.56	28.52	28.47
15.0375	28.43	28.39	28.35	28.31	28.26
15.1000	28.22	28.18	28.14	28.09	28.05
15.1625	28.01	27.96	27.92	27.88	27.83
15.2250	27.79	27.75	27.70	27.66	27.62
15.2875	27.57	27.53	27.48	27.44	27.39
15.3500	27.35	27.31	27.26	27.22	27.17
15.4125	27.13	27.08	27.04	26.99	26.95
15.4750	26.90	26.85	26.81	26.76	26.72
15.5375	26.67	26.62	26.58	26.53	26.48
15.6000	26.44	26.39	26.34	26.30	26.25
15.6625	26.20	26.16	26.11	26.06	26.01
15.7250	25.96	25.92	25.87	25.82	25.77
15.7875	25.72	25.68	25.63	25.58	25.53
15.8500	25.48	25.43	25.38	25.33	25.28
15.9125	25.23	25.19	25.14	25.09	25.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.9750	24.99	24.93	24.88	24.83	24.78
16.0375	24.73	24.68	24.63	24.58	24.53
16.1000	24.48	24.43	24.37	24.32	24.27
16.1625	24.22	24.17	24.12	24.06	24.01
16.2250	23.96	23.91	23.85	23.80	23.75
16.2875	23.70	23.64	23.59	23.54	23.49
16.3500	23.43	23.38	23.33	23.27	23.22
16.4125	23.17	23.11	23.06	23.01	22.96
16.4750	22.90	22.85	22.79	22.74	22.69
16.5375	22.63	22.58	22.53	22.47	22.42
16.6000	22.37	22.31	22.26	22.20	22.15
16.6625	22.10	22.04	21.99	21.94	21.88
16.7250	21.83	21.78	21.72	21.67	21.61
16.7875	21.56	21.51	21.45	21.40	21.35
16.8500	21.29	21.24	21.18	21.13	21.07
16.9125	21.02	20.97	20.91	20.86	20.81
16.9750	20.75	20.70	20.64	20.59	20.53
17.0375	20.48	20.43	20.37	20.32	20.26
17.1000	20.21	20.16	20.10	20.05	19.99
17.1625	19.94	19.88	19.83	19.78	19.72
17.2250	19.67	19.61	19.56	19.50	19.45
17.2875	19.40	19.34	19.29	19.23	19.18
17.3500	19.12	19.07	19.01	18.96	18.90
17.4125	18.85	18.80	18.74	18.69	18.63
17.4750	18.57	18.52	18.46	18.41	18.36
17.5375	18.30	18.25	18.19	18.14	18.08
17.6000	18.03	17.97	17.92	17.86	17.81
17.6625	17.75	17.69	17.64	17.59	17.53
17.7250	17.48	17.42	17.37	17.31	17.25
17.7875	17.20	17.14	17.09	17.03	16.98
17.8500	16.92	16.87	16.81	16.76	16.70
17.9125	16.65	16.59	16.54	16.48	16.42
17.9750	16.37	16.31	16.26	16.20	16.14
18.0375	16.09	16.03	15.98	15.93	15.86
18.1000	15.69	15.52	15.36	15.19	15.03
18.1625	14.87	14.72	14.56	14.41	14.27
18.2250	14.12	13.97	13.83	13.69	13.56
18.2875	13.42	13.36	13.30	13.24	13.17
18.3500	13.11	13.05	12.99	12.93	12.87
18.4125	12.81	12.75	12.70	12.64	12.58
18.4750	12.52	12.47	12.41	12.35	12.30
18.5375	12.24	12.19	12.14	12.08	12.03
18.6000	11.98	11.93	11.88	11.82	11.77
18.6625	11.72	11.67	11.62	11.57	11.53
18.7250	11.48	11.43	11.38	11.33	11.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.7875	11.24	11.19	11.15	11.10	11.05
18.8500	11.01	10.97	10.92	10.88	10.83
18.9125	10.79	10.75	10.70	10.66	10.62
18.9750	10.58	10.54	10.49	10.45	10.41
19.0375	10.37	10.33	10.29	10.25	10.21
19.1000	10.17	10.13	10.09	10.06	10.02
19.1625	9.98	9.94	9.91	9.87	9.84
19.2250	9.80	9.76	9.73	9.69	9.66
19.2875	9.62	9.59	9.55	9.52	9.49
19.3500	9.45	9.42	9.39	9.35	9.32
19.4125	9.29	9.25	9.22	9.19	9.16
19.4750	9.13	9.09	9.06	9.03	9.00
19.5375	8.97	8.94	8.91	8.88	8.86
19.6000	8.83	8.80	8.77	8.74	8.71
19.6625	8.69	8.66	8.63	8.60	8.58
19.7250	8.55	8.52	8.49	8.47	8.44
19.7875	8.42	8.39	8.36	8.34	8.31
19.8500	8.29	8.26	8.23	8.21	8.18
19.9125	8.16	8.13	8.11	8.09	8.06
19.9750	8.04	8.01	7.99	7.97	7.94
20.0375	7.92	7.90	7.87	7.85	7.83
20.1000	7.81	7.78	7.76	7.74	7.72
20.1625	7.70	7.67	7.65	7.63	7.61
20.2250	7.59	7.57	7.55	7.52	7.50
20.2875	7.48	7.46	7.44	7.42	7.40
20.3500	7.38	7.36	7.34	7.32	7.30
20.4125	7.28	7.26	7.24	7.22	7.20
20.4750	7.19	7.17	7.15	7.13	7.11
20.5375	7.09	7.07	7.05	7.04	7.02
20.6000	7.00	6.98	6.96	6.95	6.93
20.6625	6.91	6.90	6.88	6.86	6.85
20.7250	6.83	6.82	6.80	6.78	6.77
20.7875	6.75	6.74	6.72	6.70	6.69
20.8500	6.67	6.66	6.64	6.63	6.61
20.9125	6.60	6.58	6.57	6.55	6.54
20.9750	6.52	6.51	6.49	6.48	6.46
21.0375	6.45	6.43	6.42	6.40	6.39
21.1000	6.38	6.36	6.35	6.33	6.32
21.1625	6.31	6.29	6.28	6.26	6.25
21.2250	6.24	6.22	6.21	6.20	6.18
21.2875	6.17	6.16	6.14	6.13	6.12
21.3500	6.10	6.09	6.08	6.07	6.05
21.4125	6.04	6.03	6.02	6.00	5.99
21.4750	5.98	5.97	5.96	5.94	5.93
21.5375	5.92	5.91	5.90	5.88	5.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6000	5.86	5.85	5.84	5.83	5.81
21.6625	5.80	5.79	5.78	5.77	5.76
21.7250	5.75	5.73	5.72	5.71	5.70
21.7875	5.69	5.68	5.67	5.66	5.65
21.8500	5.64	5.62	5.61	5.60	5.59
21.9125	5.58	5.57	5.56	5.55	5.54
21.9750	5.53	5.52	5.51	5.50	5.49
22.0375	5.48	5.47	5.46	5.45	5.44
22.1000	5.43	5.42	5.41	5.40	5.39
22.1625	5.38	5.37	5.36	5.35	5.34
22.2250	5.33	5.32	5.31	5.30	5.29
22.2875	5.28	5.27	5.26	5.25	5.24
22.3500	5.23	5.22	5.21	5.20	5.19
22.4125	5.18	5.17	5.17	5.16	5.15
22.4750	5.14	5.13	5.12	5.11	5.11
22.5375	5.10	5.09	5.08	5.07	5.06
22.6000	5.06	5.05	5.04	5.03	5.02
22.6625	5.01	5.01	5.00	4.99	4.98
22.7250	4.97	4.97	4.96	4.95	4.94
22.7875	4.93	4.93	4.92	4.91	4.90
22.8500	4.90	4.89	4.88	4.87	4.86
22.9125	4.86	4.85	4.84	4.83	4.83
22.9750	4.82	4.81	4.80	4.79	4.79
23.0375	4.78	4.77	4.76	4.76	4.75
23.1000	4.74	4.73	4.73	4.72	4.71
23.1625	4.70	4.70	4.69	4.68	4.67
23.2250	4.67	4.66	4.65	4.64	4.64
23.2875	4.63	4.62	4.62	4.61	4.60
23.3500	4.59	4.59	4.58	4.57	4.56
23.4125	4.56	4.55	4.54	4.54	4.53
23.4750	4.52	4.52	4.51	4.50	4.49
23.5375	4.49	4.48	4.47	4.47	4.46
23.6000	4.45	4.44	4.44	4.43	4.42
23.6625	4.42	4.41	4.40	4.40	4.39
23.7250	4.38	4.38	4.37	4.36	4.36
23.7875	4.35	4.34	4.34	4.33	4.32
23.8500	4.31	4.31	4.30	4.29	4.29
23.9125	4.28	4.27	4.27	4.26	4.25
23.9750	4.24	4.24	4.23	4.22	4.22
24.0375	4.21	4.20	4.20	4.19	4.18
24.1000	4.17	4.17	4.16	4.15	4.14
24.1625	4.13	4.12	4.11	4.10	4.09
24.2250	4.08	4.06	4.05	4.03	4.02
24.2875	4.00	3.99	3.97	3.95	3.93
24.3500	3.92	3.90	3.88	3.86	3.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.4125	3.82	3.80	3.78	3.76	3.74
24.4750	3.72	3.69	3.67	3.65	3.63
24.5375	3.61	3.59	3.57	3.54	3.52
24.6000	3.50	3.47	3.45	3.43	3.40
24.6625	3.38	3.35	3.33	3.31	3.28
24.7250	3.26	3.24	3.22	3.19	3.17
24.7875	3.15	3.13	3.10	3.08	3.06
24.8500	3.04	3.02	3.00	2.98	2.95
24.9125	2.93	2.91	2.89	2.87	2.85
24.9750	2.83	2.80	2.78	2.76	2.73
25.0375	2.71	2.69	2.66	2.64	2.62
25.1000	2.60	2.58	2.55	2.53	2.51
25.1625	2.49	2.47	2.45	2.43	2.41
25.2250	2.39	2.37	2.35	2.33	2.31
25.2875	2.29	2.27	2.25	2.23	2.21
25.3500	2.19	2.17	2.15	2.13	2.11
25.4125	2.09	2.06	2.04	2.02	2.00
25.4750	1.98	1.97	1.95	1.93	1.91
25.5375	1.89	1.87	1.85	1.83	1.82
25.6000	1.80	1.78	1.76	1.75	1.73
25.6625	1.71	1.69	1.68	1.66	1.64
25.7250	1.63	1.61	1.59	1.57	1.55
25.7875	1.53	1.51	1.50	1.48	1.46
25.8500	1.44	1.43	1.41	1.39	1.38
25.9125	1.36	1.34	1.33	1.31	1.30
25.9750	1.28	1.27	1.25	1.24	1.22
26.0375	1.21	1.19	1.18	1.16	1.15
26.1000	1.13	1.12	1.10	1.08	1.07
26.1625	1.05	1.04	1.02	1.01	.99
26.2250	.98	.96	.95	.93	.92
26.2875	.91	.89	.88	.87	.85
26.3500	.84	.83	.82	.80	.79
26.4125	.78	.77	.76	.75	.73
26.4750	.72	.70	.69	.68	.67
26.5375	.65	.64	.63	.62	.60
26.6000	.59	.58	.57	.56	.55
26.6625	.54	.53	.52	.51	.50
26.7250	.49	.48	.47	.46	.45
26.7875	.45	.44	.43	.42	.41
26.8500	.39	.38	.37	.36	.35
26.9125	.34	.33	.32	.31	.30
26.9750	.30	.29	.28	.27	.26
27.0375	.26	.25	.24	.24	.23
27.1000	.22	.22	.21	.20	.20
27.1625	.19	.19	.18	.17	.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
27.2250	.16	.15	.14	.14	.13
27.2875	.13	.12	.12	.11	.10
27.3500	.10	.10	.09	.09	.08
27.4125	.08	.08	.07	.07	.07
27.4750	.06	.06	.06	.05	.05
27.5375	.05	.05	.05	.04	.04
27.6000	.04	.04	.04	.03	.03
27.6625	.03	.03	.03	.02	.02
27.7250	.02	.02	.02	.02	.01
27.7875	.01	.01	.01	.01	.01
27.8500	.01	.01	.01	.01	.01
27.9125	.01	.01	.01	.01	.00
27.9750	.00	.00	.00	.00	.00
28.0375	.00				

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB AA OUTLET

HYG Tag = 100

 Peak Discharge = 116.19 cfs
 Time to Peak = 12.5375 hrs
 HYG Volume = 1021935 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
11.0000	.00	.07	.21	.38	.55
11.0625	.76	.96	1.18	1.38	1.59
11.1250	1.78	1.97	2.17	2.35	2.52
11.1875	2.70	2.88	3.03	3.19	3.34
11.2500	3.50	3.65	3.80	3.94	4.09
11.3125	4.23	4.38	4.52	4.67	4.81
11.3750	4.96	5.11	5.27	5.44	5.60
11.4375	5.77	5.94	6.11	6.29	6.47
11.5000	6.65	6.83	7.02	7.22	7.42
11.5625	7.62	7.83	8.04	8.25	8.47
11.6250	8.70	8.93	9.18	9.43	9.69
11.6875	9.97	10.26	10.56	10.88	11.22
11.7500	11.57	11.94	12.33	12.74	13.18
11.8125	13.87	14.88	15.90	16.25	16.61
11.8750	16.98	17.36	17.74	18.14	18.54
11.9375	18.96	19.38	19.82	20.26	20.72
12.0000	21.20	21.69	22.20	22.72	23.27
12.0625	23.83	24.41	25.01	25.62	26.24
12.1250	26.87	27.51	28.14	28.78	29.41
12.1875	30.03	30.65	31.24	32.04	34.97
12.2500	39.27	44.42	49.98	55.73	61.52
12.3125	67.22	72.75	78.02	82.96	87.56
12.3750	91.83	95.69	99.22	102.34	105.15
12.4375	107.58	109.66	111.46	112.94	114.12
12.5000	115.02	115.66	116.04	116.19	116.14
12.5625	115.88	115.43	114.81	114.03	113.09
12.6250	112.03	110.85	109.58	108.24	106.81
12.6875	105.31	103.74	102.13	100.52	98.88
12.7500	97.23	95.55	93.91	92.28	90.64
12.8125	89.00	87.41	85.85	84.30	82.76
12.8750	81.26	79.82	78.40	77.01	75.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.9375	74.32	73.05	71.80	70.58	69.37
13.0000	68.23	67.12	66.03	64.96	63.91
13.0625	62.88	61.92	60.98	60.04	59.13
13.1250	58.23	57.36	56.54	55.74	54.95
13.1875	54.17	53.41	52.66	51.96	51.29
13.2500	50.63	49.98	49.34	48.71	48.10
13.3125	47.51	46.97	46.44	45.91	45.40
13.3750	44.89	44.40	43.91	43.44	43.01
13.4375	42.59	42.19	41.79	41.40	41.01
13.5000	40.63	40.26	39.89	39.53	39.21
13.5625	38.90	38.60	38.31	38.01	37.73
13.6250	37.44	37.16	36.88	36.61	36.34
13.6875	36.07	35.86	35.65	35.44	35.23
13.7500	35.03	34.82	34.62	34.42	34.22
13.8125	34.03	33.83	33.64	33.44	33.31
13.8750	33.19	33.07	32.95	32.84	32.72
13.9375	32.60	32.48	32.36	32.25	32.13
14.0000	32.01	31.89	31.78	31.73	31.70
14.0625	31.67	31.64	31.61	31.58	31.55
14.1250	31.52	31.49	31.46	31.43	31.40
14.1875	31.37	31.34	31.31	31.28	31.24
14.2500	31.21	31.18	31.15	31.11	31.08
14.3125	31.05	31.01	30.98	30.95	30.91
14.3750	30.88	30.85	30.81	30.78	30.74
14.4375	30.71	30.68	30.64	30.61	30.57
14.5000	30.54	30.50	30.47	30.43	30.40
14.5625	30.36	30.32	30.29	30.25	30.22
14.6250	30.18	30.15	30.11	30.07	30.04
14.6875	30.00	29.96	29.93	29.89	29.85
14.7500	29.82	29.78	29.74	29.70	29.67
14.8125	29.63	29.59	29.55	29.51	29.48
14.8750	29.44	29.40	29.36	29.32	29.29
14.9375	29.25	29.21	29.17	29.13	29.09
15.0000	29.05	29.01	28.97	28.93	28.89
15.0625	28.86	28.82	28.78	28.73	28.69
15.1250	28.65	28.61	28.57	28.53	28.49
15.1875	28.45	28.41	28.37	28.33	28.29
15.2500	28.25	28.20	28.16	28.12	28.08
15.3125	28.04	28.00	27.95	27.91	27.87
15.3750	27.83	27.78	27.74	27.70	27.65
15.4375	27.61	27.57	27.53	27.48	27.44
15.5000	27.39	27.35	27.31	27.26	27.22
15.5625	27.17	27.13	27.09	27.04	27.00
15.6250	26.95	26.91	26.86	26.82	26.77
15.6875	26.73	26.68	26.64	26.59	26.54

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7500	26.50	26.45	26.40	26.36	26.31
15.8125	26.27	26.22	26.17	26.13	26.08
15.8750	26.03	25.98	25.94	25.89	25.84
15.9375	25.79	25.74	25.70	25.65	25.60
16.0000	25.55	25.50	25.45	25.40	25.36
16.0625	25.31	25.26	25.21	25.16	25.11
16.1250	25.06	25.01	24.96	24.91	24.86
16.1875	24.81	24.76	24.71	24.66	24.61
16.2500	24.56	24.51	24.45	24.40	24.35
16.3125	24.30	24.25	24.20	24.15	24.10
16.3750	24.05	23.99	23.94	23.89	23.84
16.4375	23.79	23.73	23.68	23.63	23.58
16.5000	23.53	23.48	23.42	23.37	23.32
16.5625	23.27	23.22	23.16	23.11	23.06
16.6250	23.01	22.96	22.90	22.85	22.80
16.6875	22.75	22.69	22.64	22.59	22.54
16.7500	22.49	22.43	22.38	22.33	22.28
16.8125	22.22	22.17	22.12	22.07	22.01
16.8750	21.96	21.91	21.86	21.80	21.75
16.9375	21.70	21.64	21.59	21.54	21.48
17.0000	21.43	21.38	21.33	21.27	21.22
17.0625	21.17	21.11	21.06	21.01	20.95
17.1250	20.90	20.85	20.80	20.74	20.69
17.1875	20.64	20.58	20.53	20.48	20.42
17.2500	20.37	20.32	20.26	20.21	20.16
17.3125	20.11	20.05	20.00	19.94	19.89
17.3750	19.84	19.78	19.73	19.68	19.62
17.4375	19.57	19.52	19.46	19.41	19.36
17.5000	19.30	19.25	19.19	19.14	19.09
17.5625	19.03	18.98	18.92	18.87	18.82
17.6250	18.76	18.71	18.66	18.60	18.55
17.6875	18.49	18.44	18.38	18.33	18.28
17.7500	18.22	18.17	18.12	18.06	18.01
17.8125	17.95	17.90	17.84	17.79	17.73
17.8750	17.68	17.62	17.57	17.52	17.46
17.9375	17.41	17.35	17.30	17.24	17.19
18.0000	17.13	17.08	17.02	16.97	16.91
18.0625	16.86	16.80	16.75	16.70	16.64
18.1250	16.59	16.53	16.47	16.42	16.36
18.1875	16.31	16.25	16.20	16.14	16.09
18.2500	16.03	15.98	15.93	15.86	15.69
18.3125	15.53	15.37	15.20	15.05	14.89
18.3750	14.74	14.59	14.44	14.29	14.15
18.4375	14.01	13.87	13.74	13.60	13.47
18.5000	13.39	13.32	13.26	13.20	13.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.5625	13.09	13.03	12.97	12.91	12.85
18.6250	12.80	12.74	12.68	12.63	12.57
18.6875	12.52	12.46	12.41	12.36	12.30
18.7500	12.25	12.20	12.15	12.10	12.05
18.8125	12.00	11.95	11.90	11.85	11.80
18.8750	11.75	11.70	11.66	11.61	11.56
18.9375	11.51	11.47	11.42	11.38	11.33
19.0000	11.29	11.24	11.20	11.15	11.11
19.0625	11.07	11.02	10.98	10.94	10.90
19.1250	10.85	10.81	10.77	10.73	10.69
19.1875	10.65	10.61	10.57	10.53	10.49
19.2500	10.45	10.41	10.37	10.33	10.30
19.3125	10.26	10.22	10.18	10.15	10.11
19.3750	10.07	10.04	10.00	9.97	9.93
19.4375	9.90	9.86	9.83	9.79	9.76
19.5000	9.73	9.69	9.66	9.63	9.59
19.5625	9.56	9.53	9.50	9.47	9.43
19.6250	9.40	9.37	9.34	9.31	9.28
19.6875	9.25	9.22	9.19	9.16	9.13
19.7500	9.10	9.07	9.04	9.01	8.98
19.8125	8.95	8.92	8.90	8.87	8.84
19.8750	8.81	8.79	8.76	8.73	8.71
19.9375	8.68	8.66	8.63	8.60	8.58
20.0000	8.55	8.53	8.50	8.48	8.45
20.0625	8.43	8.40	8.38	8.35	8.33
20.1250	8.30	8.28	8.26	8.23	8.21
20.1875	8.18	8.16	8.14	8.11	8.09
20.2500	8.07	8.04	8.02	8.00	7.98
20.3125	7.96	7.93	7.91	7.89	7.87
20.3750	7.85	7.83	7.81	7.78	7.76
20.4375	7.74	7.72	7.70	7.68	7.66
20.5000	7.64	7.62	7.60	7.58	7.56
20.5625	7.54	7.52	7.50	7.48	7.47
20.6250	7.45	7.43	7.41	7.39	7.37
20.6875	7.35	7.33	7.32	7.30	7.28
20.7500	7.26	7.24	7.22	7.21	7.19
20.8125	7.17	7.15	7.14	7.12	7.10
20.8750	7.08	7.07	7.05	7.03	7.02
20.9375	7.00	6.98	6.97	6.95	6.93
21.0000	6.92	6.90	6.89	6.87	6.86
21.0625	6.84	6.83	6.81	6.80	6.78
21.1250	6.77	6.75	6.74	6.72	6.71
21.1875	6.70	6.68	6.67	6.65	6.64
21.2500	6.62	6.61	6.60	6.58	6.57
21.3125	6.55	6.54	6.53	6.51	6.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3750	6.49	6.47	6.46	6.44	6.43
21.4375	6.42	6.40	6.39	6.38	6.37
21.5000	6.35	6.34	6.33	6.31	6.30
21.5625	6.29	6.27	6.26	6.25	6.24
21.6250	6.22	6.21	6.20	6.19	6.17
21.6875	6.16	6.15	6.14	6.13	6.11
21.7500	6.10	6.09	6.08	6.07	6.05
21.8125	6.04	6.03	6.02	6.01	6.00
21.8750	5.98	5.97	5.96	5.95	5.94
21.9375	5.93	5.92	5.91	5.90	5.89
22.0000	5.87	5.86	5.85	5.84	5.83
22.0625	5.82	5.81	5.80	5.79	5.78
22.1250	5.77	5.76	5.75	5.74	5.73
22.1875	5.71	5.70	5.69	5.68	5.67
22.2500	5.66	5.65	5.64	5.63	5.62
22.3125	5.61	5.60	5.59	5.58	5.57
22.3750	5.56	5.55	5.54	5.53	5.52
22.4375	5.51	5.50	5.49	5.48	5.48
22.5000	5.47	5.46	5.45	5.44	5.43
22.5625	5.42	5.41	5.40	5.39	5.38
22.6250	5.37	5.36	5.35	5.34	5.33
22.6875	5.32	5.32	5.31	5.30	5.29
22.7500	5.28	5.27	5.26	5.25	5.24
22.8125	5.23	5.22	5.22	5.21	5.20
22.8750	5.19	5.18	5.17	5.16	5.15
22.9375	5.15	5.14	5.13	5.12	5.11
23.0000	5.11	5.10	5.09	5.08	5.07
23.0625	5.07	5.06	5.05	5.04	5.04
23.1250	5.03	5.02	5.01	5.00	5.00
23.1875	4.99	4.98	4.97	4.97	4.96
23.2500	4.95	4.94	4.94	4.93	4.92
23.3125	4.91	4.90	4.90	4.89	4.88
23.3750	4.87	4.87	4.86	4.85	4.84
23.4375	4.84	4.83	4.82	4.82	4.81
23.5000	4.80	4.79	4.79	4.78	4.77
23.5625	4.76	4.76	4.75	4.74	4.73
23.6250	4.73	4.72	4.71	4.71	4.70
23.6875	4.69	4.68	4.68	4.67	4.66
23.7500	4.66	4.65	4.64	4.63	4.63
23.8125	4.62	4.61	4.61	4.60	4.59
23.8750	4.58	4.58	4.57	4.56	4.56
23.9375	4.55	4.54	4.54	4.53	4.52
24.0000	4.52	4.51	4.50	4.49	4.49
24.0625	4.48	4.47	4.47	4.46	4.45
24.1250	4.44	4.43	4.42	4.42	4.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.1875	4.39	4.38	4.37	4.36	4.35
24.2500	4.33	4.32	4.30	4.28	4.27
24.3125	4.25	4.23	4.21	4.19	4.17
24.3750	4.15	4.13	4.11	4.09	4.06
24.4375	4.04	4.02	4.00	3.97	3.95
24.5000	3.93	3.91	3.88	3.86	3.84
24.5625	3.82	3.79	3.77	3.75	3.72
24.6250	3.70	3.68	3.66	3.63	3.61
24.6875	3.59	3.57	3.54	3.52	3.49
24.7500	3.47	3.45	3.42	3.40	3.37
24.8125	3.35	3.33	3.30	3.28	3.26
24.8750	3.23	3.21	3.19	3.16	3.14
24.9375	3.12	3.10	3.08	3.05	3.03
25.0000	3.01	2.99	2.97	2.95	2.93
25.0625	2.91	2.88	2.86	2.84	2.82
25.1250	2.79	2.77	2.75	2.72	2.70
25.1875	2.68	2.66	2.63	2.61	2.59
25.2500	2.57	2.55	2.52	2.50	2.48
25.3125	2.46	2.44	2.42	2.40	2.38
25.3750	2.36	2.34	2.32	2.30	2.28
25.4375	2.26	2.24	2.22	2.20	2.18
25.5000	2.16	2.14	2.12	2.10	2.08
25.5625	2.06	2.04	2.02	2.00	1.98
25.6250	1.96	1.94	1.92	1.90	1.88
25.6875	1.86	1.85	1.83	1.81	1.79
25.7500	1.77	1.76	1.74	1.72	1.71
25.8125	1.69	1.67	1.66	1.64	1.62
25.8750	1.60	1.58	1.56	1.54	1.53
25.9375	1.51	1.49	1.47	1.45	1.44
26.0000	1.42	1.40	1.39	1.37	1.35
26.0625	1.34	1.32	1.31	1.29	1.28
26.1250	1.26	1.25	1.23	1.22	1.20
26.1875	1.19	1.17	1.16	1.14	1.13
26.2500	1.11	1.09	1.08	1.06	1.05
26.3125	1.03	1.01	1.00	.98	.97
26.3750	.96	.94	.93	.91	.90
26.4375	.89	.87	.86	.85	.84
26.5000	.82	.81	.80	.79	.78
26.5625	.76	.75	.74	.73	.71
26.6250	.70	.69	.67	.66	.65
26.6875	.64	.62	.61	.60	.59
26.7500	.58	.57	.56	.55	.54
26.8125	.53	.52	.51	.50	.49
26.8750	.48	.47	.46	.45	.44
26.9375	.43	.43	.41	.40	.39

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
27.0000	.38	.37	.36	.35	.34
27.0625	.33	.32	.31	.30	.29
27.1250	.28	.28	.27	.26	.25
27.1875	.25	.24	.23	.23	.22
27.2500	.21	.21	.20	.20	.19
27.3125	.19	.18	.17	.16	.16
27.3750	.15	.14	.14	.13	.12
27.4375	.12	.11	.11	.10	.10
27.5000	.09	.09	.09	.08	.08
27.5625	.07	.07	.07	.07	.06
27.6250	.06	.06	.05	.05	.05
27.6875	.05	.04	.04	.04	.04
27.7500	.04	.04	.03	.03	.03
27.8125	.03	.02	.02	.02	.02
27.8750	.02	.02	.02	.01	.01
27.9375	.01	.01	.01	.01	.01
28.0000	.01	.01	.01	.01	.01
28.0625	.01	.01	.00	.00	.00
28.1250	.00	.00	.00	.00	.00

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqrt(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
243.00	-----	0	0	0	0
244.00	-----	15213	15213	5071	5071
246.00	-----	17372	48842	32561	37632
248.00	-----	19662	55516	37010	74643
250.00	-----	22059	62547	41698	116341

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Areal} + \text{Area2} + \text{sq.rt.}(\text{Areal}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Areal, Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB CC-4 OUTLET  WQBASIN CC-4 IN  work_pad.hyg  WQB CC-4 OUTLET  2
=====

```

```

INFLOWS TO:  DB CC-4      IN
-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  WQB CC-4 OUTLET  2            174573      12.1875     57.91

```

```

TOTAL FLOW INTO:  DB CC-4      IN
-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  DB CC-4      IN  2            174573      12.1875     57.91

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 IN

HYG Tag = 2

 Peak Discharge = 57.91 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 174573 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

12.0875	.00	.63	22.02	40.76	50.08
12.1500	54.21	56.49	57.56	57.91	57.88
12.2125	57.52	56.76	55.82	54.68	53.42
12.2750	52.08	50.61	49.04	47.45	45.85
12.3375	44.25	42.69	41.22	39.79	38.43
12.4000	37.13	35.87	34.64	33.46	32.29
12.4625	31.15	30.04	29.05	28.11	27.11
12.5250	26.10	25.10	24.10	23.13	22.19
12.5875	21.27	20.39	19.54	18.72	17.93
12.6500	17.18	16.47	15.81	15.18	14.60
12.7125	14.07	13.56	13.10	12.67	12.27
12.7750	11.90	11.57	11.26	10.97	10.70
12.8375	10.46	10.31	10.14	9.97	9.80
12.9000	9.63	9.46	9.29	9.13	8.98
12.9625	8.83	8.69	8.56	8.42	8.30
13.0250	8.17	8.05	7.93	7.82	7.71
13.0875	7.60	7.50	7.39	7.30	7.20
13.1500	7.11	7.03	6.95	6.87	6.80
13.2125	6.73	6.66	6.60	6.54	6.48
13.2750	6.43	6.38	6.33	6.29	6.25
13.3375	6.21	6.17	6.13	6.10	6.06
13.4000	6.03	6.00	5.96	5.93	5.90
13.4625	5.87	5.84	5.81	5.79	5.76
13.5250	5.73	5.70	5.68	5.65	5.62
13.5875	5.59	5.57	5.54	5.51	5.49
13.6500	5.46	5.44	5.41	5.38	5.36
13.7125	5.33	5.31	5.28	5.25	5.23
13.7750	5.20	5.18	5.15	5.13	5.10
13.8375	5.07	5.05	5.02	5.00	4.97
13.9000	4.95	4.92	4.90	4.87	4.84
13.9625	4.82	4.79	4.77	4.74	4.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0250	4.69	4.66	4.64	4.61	4.59
14.0875	4.56	4.54	4.51	4.49	4.47
14.1500	4.44	4.42	4.40	4.38	4.36
14.2125	4.34	4.32	4.30	4.28	4.27
14.2750	4.25	4.23	4.22	4.20	4.19
14.3375	4.17	4.16	4.14	4.13	4.12
14.4000	4.10	4.09	4.07	4.06	4.05
14.4625	4.03	4.02	4.01	4.00	3.98
14.5250	3.97	3.96	3.95	3.93	3.92
14.5875	3.91	3.90	3.88	3.87	3.86
14.6500	3.85	3.83	3.82	3.81	3.80
14.7125	3.78	3.77	3.76	3.75	3.73
14.7750	3.72	3.71	3.70	3.68	3.67
14.8375	3.66	3.65	3.63	3.62	3.61
14.9000	3.60	3.59	3.57	3.56	3.55
14.9625	3.54	3.52	3.51	3.50	3.49
15.0250	3.47	3.46	3.45	3.44	3.42
15.0875	3.41	3.40	3.39	3.37	3.36
15.1500	3.35	3.34	3.32	3.31	3.30
15.2125	3.29	3.28	3.26	3.25	3.24
15.2750	3.23	3.21	3.20	3.19	3.18
15.3375	3.16	3.15	3.14	3.13	3.11
15.4000	3.10	3.09	3.08	3.06	3.05
15.4625	3.04	3.03	3.02	3.00	2.99
15.5250	2.98	2.97	2.95	2.94	2.93
15.5875	2.92	2.90	2.89	2.88	2.87
15.6500	2.85	2.84	2.83	2.82	2.80
15.7125	2.79	2.78	2.77	2.75	2.74
15.7750	2.73	2.72	2.70	2.69	2.68
15.8375	2.67	2.65	2.64	2.63	2.62
15.9000	2.60	2.59	2.58	2.57	2.55
15.9625	2.54	2.53	2.52	2.50	2.49
16.0250	2.48	2.47	2.45	2.44	2.43
16.0875	2.42	2.41	2.40	2.39	2.37
16.1500	2.36	2.35	2.34	2.33	2.32
16.2125	2.31	2.31	2.30	2.29	2.28
16.2750	2.27	2.26	2.26	2.25	2.24
16.3375	2.24	2.23	2.22	2.22	2.21
16.4000	2.20	2.20	2.19	2.19	2.18
16.4625	2.17	2.17	2.16	2.16	2.15
16.5250	2.14	2.14	2.13	2.13	2.12
16.5875	2.12	2.11	2.11	2.10	2.09
16.6500	2.09	2.08	2.08	2.07	2.07
16.7125	2.06	2.06	2.05	2.05	2.04
16.7750	2.03	2.03	2.02	2.02	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8375	2.01	2.00	2.00	1.99	1.99
16.9000	1.98	1.97	1.97	1.96	1.96
16.9625	1.95	1.95	1.94	1.94	1.93
17.0250	1.93	1.92	1.92	1.91	1.90
17.0875	1.90	1.89	1.89	1.88	1.88
17.1500	1.87	1.87	1.86	1.86	1.85
17.2125	1.84	1.84	1.83	1.83	1.82
17.2750	1.82	1.81	1.81	1.80	1.80
17.3375	1.79	1.78	1.78	1.77	1.77
17.4000	1.76	1.76	1.75	1.75	1.74
17.4625	1.74	1.73	1.73	1.72	1.71
17.5250	1.71	1.70	1.70	1.69	1.69
17.5875	1.68	1.68	1.67	1.67	1.66
17.6500	1.65	1.65	1.64	1.64	1.63
17.7125	1.63	1.62	1.62	1.61	1.61
17.7750	1.60	1.59	1.59	1.58	1.58
17.8375	1.57	1.57	1.56	1.56	1.55
17.9000	1.55	1.54	1.53	1.53	1.52
17.9625	1.52	1.51	1.51	1.50	1.50
18.0250	1.49	1.49	1.48	1.48	1.47
18.0875	1.46	1.46	1.45	1.45	1.44
18.1500	1.44	1.43	1.43	1.43	1.42
18.2125	1.42	1.42	1.41	1.41	1.41
18.2750	1.40	1.40	1.40	1.40	1.39
18.3375	1.39	1.39	1.39	1.38	1.38
18.4000	1.38	1.38	1.38	1.37	1.37
18.4625	1.37	1.37	1.37	1.37	1.36
18.5250	1.36	1.36	1.36	1.36	1.35
18.5875	1.35	1.35	1.35	1.35	1.35
18.6500	1.34	1.34	1.34	1.34	1.34
18.7125	1.34	1.34	1.33	1.33	1.33
18.7750	1.33	1.33	1.33	1.32	1.32
18.8375	1.32	1.32	1.32	1.32	1.31
18.9000	1.31	1.31	1.31	1.31	1.31
18.9625	1.30	1.30	1.30	1.30	1.30
19.0250	1.30	1.29	1.29	1.29	1.29
19.0875	1.29	1.29	1.28	1.28	1.28
19.1500	1.28	1.28	1.28	1.27	1.27
19.2125	1.27	1.27	1.27	1.27	1.27
19.2750	1.26	1.26	1.26	1.26	1.26
19.3375	1.26	1.25	1.25	1.25	1.25
19.4000	1.25	1.25	1.24	1.24	1.24
19.4625	1.24	1.24	1.24	1.23	1.23
19.5250	1.23	1.23	1.23	1.23	1.22
19.5875	1.22	1.22	1.22	1.22	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6500	1.21	1.21	1.21	1.21	1.21
19.7125	1.21	1.20	1.20	1.20	1.20
19.7750	1.20	1.20	1.19	1.19	1.19
19.8375	1.19	1.19	1.19	1.19	1.18
19.9000	1.18	1.18	1.18	1.18	1.18
19.9625	1.17	1.17	1.17	1.17	1.17
20.0250	1.17	1.16	1.16	1.16	1.16
20.0875	1.16	1.16	1.15	1.15	1.15
20.1500	1.15	1.15	1.15	1.14	1.14
20.2125	1.14	1.14	1.14	1.14	1.14
20.2750	1.14	1.13	1.13	1.13	1.13
20.3375	1.13	1.13	1.13	1.13	1.12
20.4000	1.12	1.12	1.12	1.12	1.12
20.4625	1.12	1.12	1.11	1.11	1.11
20.5250	1.11	1.11	1.11	1.11	1.11
20.5875	1.10	1.10	1.10	1.10	1.10
20.6500	1.10	1.10	1.10	1.09	1.09
20.7125	1.09	1.09	1.09	1.09	1.09
20.7750	1.08	1.08	1.08	1.08	1.08
20.8375	1.08	1.08	1.08	1.07	1.07
20.9000	1.07	1.07	1.07	1.07	1.07
20.9625	1.07	1.07	1.06	1.06	1.06
21.0250	1.06	1.06	1.06	1.06	1.06
21.0875	1.06	1.05	1.05	1.05	1.05
21.1500	1.05	1.05	1.05	1.05	1.04
21.2125	1.04	1.04	1.04	1.04	1.04
21.2750	1.04	1.04	1.03	1.03	1.03
21.3375	1.03	1.03	1.03	1.03	1.03
21.4000	1.02	1.02	1.02	1.02	1.02
21.4625	1.02	1.02	1.02	1.01	1.01
21.5250	1.01	1.01	1.01	1.01	1.01
21.5875	1.00	1.00	1.00	1.00	1.00
21.6500	1.00	1.00	1.00	1.00	.99
21.7125	.99	.99	.99	.99	.99
21.7750	.99	.99	.98	.98	.98
21.8375	.98	.98	.98	.98	.98
21.9000	.98	.98	.97	.97	.97
21.9625	.97	.97	.97	.97	.96
22.0250	.96	.96	.96	.96	.96
22.0875	.96	.96	.95	.95	.95
22.1500	.95	.95	.95	.95	.95
22.2125	.94	.94	.94	.94	.94
22.2750	.94	.94	.94	.93	.93
22.3375	.93	.93	.93	.93	.93
22.4000	.93	.92	.92	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
22.4625	.92	.92	.92	.92	.91
22.5250	.91	.91	.91	.91	.91
22.5875	.91	.91	.91	.90	.90
22.6500	.90	.90	.90	.90	.90
22.7125	.90	.90	.89	.89	.89
22.7750	.89	.89	.89	.89	.89
22.8375	.88	.88	.88	.88	.88
22.9000	.88	.88	.87	.87	.87
22.9625	.87	.87	.87	.87	.87
23.0250	.87	.86	.86	.86	.86
23.0875	.86	.86	.86	.85	.85
23.1500	.85	.85	.85	.85	.85
23.2125	.85	.84	.84	.84	.84
23.2750	.84	.84	.84	.84	.83
23.3375	.83	.83	.83	.83	.83
23.4000	.83	.83	.83	.82	.82
23.4625	.82	.82	.82	.82	.82
23.5250	.82	.82	.81	.81	.81
23.5875	.81	.81	.81	.81	.81
23.6500	.80	.80	.80	.80	.80
23.7125	.80	.80	.79	.79	.79
23.7750	.79	.79	.79	.79	.79
23.8375	.79	.78	.78	.78	.78
23.9000	.78	.78	.78	.77	.77
23.9625	.77	.77	.77	.77	.77
24.0250	.76	.76	.75	.74	.73
24.0875	.71	.70	.67	.64	.61
24.1500	.58	.54	.51	.47	.43
24.2125	.39	.36	.32	.29	.26
24.2750	.23	.21	.19	.16	.15
24.3375	.13	.12	.10	.09	.08
24.4000	.07	.06	.06	.05	.04
24.4625	.04	.04	.03	.03	.02
24.5250	.02	.02	.02	.01	.01
24.5875	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7125	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
WQB CC-4 OUTLET  WQBASIN CC-4 IN  work_pad.hyg  WQB CC-4 OUTLET  10
=====

```

```

INFLOWS TO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag          Volume      Peak Time      Peak Flow
                cu.ft          hrs              cfs
-----
work_pad.hyg  WQB CC-4 OUTLET  10              356575      12.1875        95.42

```

```

TOTAL FLOW INTO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag          Volume      Peak Time      Peak Flow
                cu.ft          hrs              cfs
-----
work_pad.hyg  DB CC-4      IN  10              356575      12.1875        95.42

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 IN

HYG Tag = 10

Peak Discharge = 95.42 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 356575 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

11.4875	.00	2.54	5.94	8.28	9.92
11.5500	11.48	12.66	13.36	13.85	14.27
11.6125	14.67	15.10	15.57	16.08	16.64
11.6750	17.26	17.93	18.67	19.48	20.34
11.7375	21.26	22.24	23.26	24.33	25.43
11.8000	26.58	27.78	29.01	30.42	31.87
11.8625	33.24	34.60	35.95	37.37	38.87
11.9250	40.43	42.15	44.07	46.12	48.45
11.9875	51.09	53.92	57.38	60.90	64.44
12.0500	68.06	71.72	75.31	78.80	82.20
12.1125	85.46	88.32	90.84	92.76	94.21
12.1750	95.19	95.42	95.17	94.42	93.04
12.2375	91.38	89.41	87.10	84.68	82.24
12.3000	79.71	77.07	74.42	71.76	69.19
12.3625	66.77	64.43	62.19	60.07	58.00
12.4250	55.99	54.06	52.34	50.54	48.75
12.4875	46.97	45.23	43.51	41.82	40.16
12.5500	38.53	36.95	35.44	33.96	32.54
12.6125	31.17	29.85	28.74	27.66	26.57
12.6750	25.52	24.52	23.58	22.71	21.90
12.7375	21.14	20.45	19.80	19.21	18.66
12.8000	18.16	17.69	17.26	16.86	16.49
12.8625	16.14	15.81	15.50	15.21	14.93
12.9250	14.67	14.42	14.18	13.95	13.73
12.9875	13.52	13.31	13.11	12.92	12.73
13.0500	12.54	12.37	12.19	12.03	11.87
13.1125	11.71	11.56	11.41	11.27	11.14
13.1750	11.02	10.90	10.79	10.68	10.58
13.2375	10.49	10.41	10.36	10.30	10.23
13.3000	10.17	10.10	10.04	9.97	9.91
13.3625	9.86	9.80	9.74	9.69	9.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4250	9.59	9.54	9.49	9.44	9.39
13.4875	9.34	9.30	9.25	9.21	9.16
13.5500	9.12	9.07	9.03	8.99	8.94
13.6125	8.90	8.86	8.82	8.77	8.73
13.6750	8.69	8.65	8.61	8.56	8.52
13.7375	8.48	8.44	8.40	8.35	8.31
13.8000	8.27	8.23	8.19	8.15	8.11
13.8625	8.06	8.02	7.98	7.94	7.90
13.9250	7.86	7.82	7.77	7.73	7.69
13.9875	7.65	7.61	7.57	7.52	7.48
14.0500	7.44	7.40	7.36	7.32	7.28
14.1125	7.24	7.20	7.17	7.13	7.09
14.1750	7.06	7.03	6.99	6.96	6.93
14.2375	6.90	6.87	6.84	6.82	6.79
14.3000	6.76	6.74	6.71	6.69	6.67
14.3625	6.64	6.62	6.60	6.58	6.55
14.4250	6.53	6.51	6.49	6.47	6.45
14.4875	6.43	6.41	6.39	6.36	6.34
14.5500	6.32	6.30	6.28	6.26	6.24
14.6125	6.22	6.20	6.18	6.16	6.14
14.6750	6.12	6.10	6.08	6.06	6.04
14.7375	6.02	6.00	5.98	5.96	5.94
14.8000	5.92	5.90	5.88	5.86	5.84
14.8625	5.82	5.80	5.78	5.76	5.74
14.9250	5.72	5.70	5.68	5.66	5.64
14.9875	5.62	5.60	5.58	5.56	5.54
15.0500	5.52	5.50	5.48	5.46	5.44
15.1125	5.42	5.40	5.38	5.36	5.34
15.1750	5.32	5.30	5.28	5.26	5.24
15.2375	5.22	5.20	5.18	5.16	5.14
15.3000	5.13	5.11	5.09	5.07	5.05
15.3625	5.03	5.01	4.99	4.97	4.95
15.4250	4.93	4.91	4.89	4.87	4.85
15.4875	4.83	4.81	4.79	4.77	4.75
15.5500	4.73	4.71	4.69	4.67	4.65
15.6125	4.63	4.61	4.59	4.57	4.55
15.6750	4.53	4.51	4.49	4.47	4.45
15.7375	4.43	4.41	4.39	4.37	4.35
15.8000	4.33	4.31	4.29	4.27	4.25
15.8625	4.23	4.21	4.19	4.17	4.15
15.9250	4.13	4.11	4.09	4.07	4.05
15.9875	4.03	4.01	3.99	3.97	3.95
16.0500	3.93	3.91	3.89	3.87	3.85
16.1125	3.83	3.82	3.80	3.78	3.76
16.1750	3.75	3.73	3.72	3.70	3.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2375	3.67	3.66	3.65	3.63	3.62
16.3000	3.61	3.60	3.59	3.57	3.56
16.3625	3.55	3.54	3.53	3.52	3.51
16.4250	3.50	3.49	3.48	3.47	3.47
16.4875	3.46	3.45	3.44	3.43	3.42
16.5500	3.41	3.40	3.39	3.38	3.38
16.6125	3.37	3.36	3.35	3.34	3.33
16.6750	3.32	3.31	3.30	3.30	3.29
16.7375	3.28	3.27	3.26	3.25	3.24
16.8000	3.24	3.23	3.22	3.21	3.20
16.8625	3.19	3.18	3.17	3.16	3.16
16.9250	3.15	3.14	3.13	3.12	3.11
16.9875	3.10	3.10	3.09	3.08	3.07
17.0500	3.06	3.05	3.04	3.03	3.03
17.1125	3.02	3.01	3.00	2.99	2.98
17.1750	2.97	2.97	2.96	2.95	2.94
17.2375	2.93	2.92	2.91	2.90	2.90
17.3000	2.89	2.88	2.87	2.86	2.85
17.3625	2.84	2.84	2.83	2.82	2.81
17.4250	2.80	2.79	2.78	2.77	2.77
17.4875	2.76	2.75	2.74	2.73	2.72
17.5500	2.71	2.70	2.70	2.69	2.68
17.6125	2.67	2.66	2.65	2.64	2.63
17.6750	2.63	2.62	2.61	2.60	2.59
17.7375	2.58	2.57	2.56	2.56	2.55
17.8000	2.54	2.53	2.52	2.51	2.50
17.8625	2.50	2.49	2.48	2.47	2.46
17.9250	2.45	2.44	2.43	2.43	2.42
17.9875	2.41	2.40	2.39	2.38	2.37
18.0500	2.36	2.36	2.35	2.34	2.33
18.1125	2.32	2.31	2.31	2.30	2.29
18.1750	2.29	2.28	2.27	2.27	2.26
18.2375	2.26	2.25	2.25	2.24	2.24
18.3000	2.23	2.23	2.23	2.22	2.22
18.3625	2.21	2.21	2.21	2.20	2.20
18.4250	2.20	2.19	2.19	2.19	2.19
18.4875	2.18	2.18	2.18	2.17	2.17
18.5500	2.17	2.17	2.16	2.16	2.16
18.6125	2.16	2.15	2.15	2.15	2.15
18.6750	2.14	2.14	2.14	2.13	2.13
18.7375	2.13	2.13	2.12	2.12	2.12
18.8000	2.12	2.11	2.11	2.11	2.11
18.8625	2.10	2.10	2.10	2.10	2.09
18.9250	2.09	2.09	2.09	2.08	2.08
18.9875	2.08	2.07	2.07	2.07	2.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0500	2.06	2.06	2.06	2.06	2.05
19.1125	2.05	2.05	2.05	2.04	2.04
19.1750	2.04	2.04	2.03	2.03	2.03
19.2375	2.02	2.02	2.02	2.02	2.01
19.3000	2.01	2.01	2.01	2.00	2.00
19.3625	2.00	2.00	1.99	1.99	1.99
19.4250	1.99	1.98	1.98	1.98	1.98
19.4875	1.97	1.97	1.97	1.97	1.96
19.5500	1.96	1.96	1.95	1.95	1.95
19.6125	1.95	1.94	1.94	1.94	1.94
19.6750	1.93	1.93	1.93	1.93	1.92
19.7375	1.92	1.92	1.92	1.91	1.91
19.8000	1.91	1.90	1.90	1.90	1.90
19.8625	1.89	1.89	1.89	1.89	1.88
19.9250	1.88	1.88	1.88	1.87	1.87
19.9875	1.87	1.87	1.86	1.86	1.86
20.0500	1.86	1.85	1.85	1.85	1.85
20.1125	1.84	1.84	1.84	1.83	1.83
20.1750	1.83	1.83	1.82	1.82	1.82
20.2375	1.82	1.82	1.81	1.81	1.81
20.3000	1.81	1.81	1.81	1.80	1.80
20.3625	1.80	1.80	1.79	1.79	1.79
20.4250	1.79	1.79	1.78	1.78	1.78
20.4875	1.78	1.78	1.77	1.77	1.77
20.5500	1.77	1.77	1.76	1.76	1.76
20.6125	1.76	1.76	1.75	1.75	1.75
20.6750	1.75	1.75	1.74	1.74	1.74
20.7375	1.74	1.73	1.73	1.73	1.73
20.8000	1.73	1.72	1.72	1.72	1.72
20.8625	1.72	1.71	1.71	1.71	1.71
20.9250	1.71	1.71	1.70	1.70	1.70
20.9875	1.70	1.70	1.69	1.69	1.69
21.0500	1.69	1.69	1.69	1.68	1.68
21.1125	1.68	1.68	1.68	1.67	1.67
21.1750	1.67	1.67	1.67	1.66	1.66
21.2375	1.66	1.66	1.66	1.65	1.65
21.3000	1.65	1.65	1.65	1.64	1.64
21.3625	1.64	1.64	1.64	1.63	1.63
21.4250	1.63	1.63	1.63	1.62	1.62
21.4875	1.62	1.62	1.62	1.61	1.61
21.5500	1.61	1.61	1.61	1.60	1.60
21.6125	1.60	1.60	1.59	1.59	1.59
21.6750	1.59	1.59	1.59	1.58	1.58
21.7375	1.58	1.58	1.58	1.57	1.57
21.8000	1.57	1.57	1.57	1.57	1.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8625	1.56	1.56	1.56	1.56	1.56
21.9250	1.55	1.55	1.55	1.55	1.55
21.9875	1.54	1.54	1.54	1.54	1.53
22.0500	1.53	1.53	1.53	1.53	1.52
22.1125	1.52	1.52	1.52	1.52	1.51
22.1750	1.51	1.51	1.51	1.51	1.50
22.2375	1.50	1.50	1.50	1.50	1.50
22.3000	1.49	1.49	1.49	1.49	1.48
22.3625	1.48	1.48	1.48	1.48	1.47
22.4250	1.47	1.47	1.47	1.47	1.46
22.4875	1.46	1.46	1.46	1.46	1.45
22.5500	1.45	1.45	1.45	1.45	1.45
22.6125	1.44	1.44	1.44	1.44	1.44
22.6750	1.43	1.43	1.43	1.43	1.43
22.7375	1.43	1.42	1.42	1.42	1.42
22.8000	1.42	1.41	1.41	1.41	1.41
22.8625	1.40	1.40	1.40	1.40	1.40
22.9250	1.39	1.39	1.39	1.39	1.39
22.9875	1.39	1.38	1.38	1.38	1.38
23.0500	1.38	1.37	1.37	1.37	1.37
23.1125	1.37	1.36	1.36	1.36	1.36
23.1750	1.35	1.35	1.35	1.35	1.35
23.2375	1.34	1.34	1.34	1.34	1.34
23.3000	1.33	1.33	1.33	1.33	1.33
23.3625	1.33	1.32	1.32	1.32	1.32
23.4250	1.32	1.31	1.31	1.31	1.31
23.4875	1.31	1.31	1.30	1.30	1.30
23.5500	1.30	1.30	1.29	1.29	1.29
23.6125	1.29	1.29	1.28	1.28	1.28
23.6750	1.28	1.28	1.27	1.27	1.27
23.7375	1.27	1.27	1.26	1.26	1.26
23.8000	1.26	1.26	1.25	1.25	1.25
23.8625	1.25	1.25	1.24	1.24	1.24
23.9250	1.24	1.24	1.23	1.23	1.23
23.9875	1.23	1.22	1.22	1.21	1.21
24.0500	1.20	1.18	1.16	1.14	1.11
24.1125	1.07	1.03	.98	.92	.87
24.1750	.81	.75	.69	.63	.57
24.2375	.52	.46	.42	.37	.33
24.3000	.30	.26	.23	.21	.18
24.3625	.16	.15	.13	.12	.10
24.4250	.09	.08	.07	.06	.06
24.4875	.05	.04	.04	.03	.03
24.5500	.03	.02	.02	.02	.02
24.6125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6750	.01	.01	.01	.00	.00
24.7375	.00	.00	.00	.00	

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
WQB CC-4 OUTLET  WQBASIN CC-4 IN  work_pad.hyg  WQB CC-4 OUTLET  25
=====

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INFLOWS TO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time     Peak Flow
              HYG ID          HYG tag        cu.ft       hrs           cfs
-----
work_pad.hyg  WQB CC-4 OUTLET  25             448246      12.1875      113.93

```

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TOTAL FLOW INTO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time     Peak Flow
              HYG ID          HYG tag        cu.ft       hrs           cfs
-----
work_pad.hyg  DB CC-4      IN  25             448246      12.1875      113.93

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 IN

HYG Tag = 25

 Peak Discharge = 113.93 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 448246 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
10.9500	.00	.46	3.65	5.80	7.26
11.0125	8.26	8.95	9.42	9.76	10.01
11.0750	10.20	10.35	10.49	10.65	10.77
11.1375	10.87	10.97	11.06	11.16	11.27
11.2000	11.38	11.49	11.62	11.75	11.88
11.2625	12.02	12.16	12.31	12.46	12.61
11.3250	12.77	12.94	13.10	13.27	13.44
11.3875	13.61	13.78	13.95	14.13	14.31
11.4500	14.49	14.67	14.85	15.03	15.22
11.5125	15.41	15.62	15.84	16.08	16.36
11.5750	16.65	16.98	17.37	17.80	18.28
11.6375	18.84	19.44	20.11	20.85	21.66
11.7000	22.55	23.52	24.55	25.66	26.83
11.7625	28.05	29.34	30.88	32.39	33.89
11.8250	35.39	36.92	38.47	40.05	41.64
11.8875	43.26	44.94	46.74	48.60	50.65
11.9500	52.94	55.52	58.53	61.77	65.21
12.0125	69.00	73.05	77.23	81.53	86.07
12.0750	90.54	94.71	98.76	102.42	105.65
12.1375	108.59	110.85	112.55	113.69	113.93
12.2000	113.62	112.70	111.03	109.04	106.66
12.2625	103.89	100.99	97.94	94.76	91.56
12.3250	88.37	85.19	82.22	79.49	76.73
12.3875	74.07	71.54	69.07	66.67	64.35
12.4500	62.06	59.85	57.68	55.56	53.56
12.5125	51.67	49.72	47.77	45.84	43.96
12.5750	42.16	40.39	38.70	37.07	35.49
12.6375	34.00	32.57	31.22	29.97	28.90
12.7000	27.91	26.95	26.01	25.12	24.30
12.7625	23.54	22.83	22.18	21.58	21.03
12.8250	20.51	20.04	19.59	19.18	18.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.8875	18.42	18.07	17.74	17.43	17.13
12.9500	16.84	16.57	16.31	16.06	15.82
13.0125	15.58	15.35	15.12	14.90	14.69
13.0750	14.49	14.29	14.10	13.91	13.73
13.1375	13.56	13.39	13.24	13.09	12.95
13.2000	12.82	12.69	12.57	12.46	12.35
13.2625	12.25	12.16	12.07	11.99	11.91
13.3250	11.83	11.76	11.69	11.62	11.56
13.3875	11.49	11.43	11.37	11.31	11.25
13.4500	11.20	11.14	11.09	11.03	10.98
13.5125	10.92	10.87	10.82	10.77	10.71
13.5750	10.66	10.61	10.56	10.51	10.46
13.6375	10.42	10.39	10.35	10.30	10.26
13.7000	10.21	10.16	10.11	10.07	10.02
13.7625	9.97	9.92	9.87	9.82	9.77
13.8250	9.72	9.67	9.62	9.57	9.52
13.8875	9.48	9.43	9.38	9.33	9.28
13.9500	9.23	9.18	9.13	9.08	9.03
14.0125	8.98	8.93	8.88	8.83	8.79
14.0750	8.74	8.69	8.64	8.60	8.55
14.1375	8.51	8.46	8.42	8.38	8.34
14.2000	8.30	8.26	8.23	8.19	8.16
14.2625	8.12	8.09	8.06	8.03	8.00
14.3250	7.97	7.94	7.91	7.88	7.86
14.3875	7.83	7.80	7.78	7.75	7.73
14.4500	7.70	7.68	7.65	7.63	7.60
14.5125	7.58	7.55	7.53	7.51	7.48
14.5750	7.46	7.43	7.41	7.38	7.36
14.6375	7.34	7.31	7.29	7.27	7.24
14.7000	7.22	7.19	7.17	7.15	7.12
14.7625	7.10	7.08	7.05	7.03	7.00
14.8250	6.98	6.96	6.93	6.91	6.89
14.8875	6.86	6.84	6.82	6.79	6.77
14.9500	6.74	6.72	6.70	6.67	6.65
15.0125	6.63	6.60	6.58	6.55	6.53
15.0750	6.51	6.48	6.46	6.44	6.41
15.1375	6.39	6.36	6.34	6.32	6.29
15.2000	6.27	6.25	6.22	6.20	6.18
15.2625	6.15	6.13	6.10	6.08	6.06
15.3250	6.03	6.01	5.99	5.96	5.94
15.3875	5.91	5.89	5.87	5.84	5.82
15.4500	5.80	5.77	5.75	5.73	5.70
15.5125	5.68	5.65	5.63	5.61	5.58
15.5750	5.56	5.54	5.51	5.49	5.47
15.6375	5.44	5.42	5.39	5.37	5.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7000	5.32	5.30	5.28	5.25	5.23
15.7625	5.20	5.18	5.16	5.13	5.11
15.8250	5.08	5.06	5.04	5.01	4.99
15.8875	4.97	4.94	4.92	4.90	4.87
15.9500	4.85	4.82	4.80	4.78	4.75
16.0125	4.73	4.71	4.68	4.66	4.64
16.0750	4.61	4.59	4.57	4.55	4.53
16.1375	4.50	4.48	4.46	4.45	4.43
16.2000	4.41	4.39	4.37	4.36	4.34
16.2625	4.32	4.31	4.29	4.28	4.27
16.3250	4.25	4.24	4.23	4.21	4.20
16.3875	4.19	4.18	4.17	4.16	4.14
16.4500	4.13	4.12	4.11	4.10	4.09
16.5125	4.08	4.07	4.06	4.05	4.04
16.5750	4.02	4.01	4.00	3.99	3.98
16.6375	3.97	3.96	3.95	3.94	3.93
16.7000	3.92	3.91	3.90	3.89	3.88
16.7625	3.87	3.86	3.85	3.84	3.83
16.8250	3.82	3.81	3.80	3.79	3.77
16.8875	3.76	3.75	3.74	3.73	3.72
16.9500	3.71	3.70	3.69	3.68	3.67
17.0125	3.66	3.65	3.64	3.63	3.62
17.0750	3.61	3.60	3.59	3.58	3.57
17.1375	3.56	3.55	3.54	3.53	3.52
17.2000	3.51	3.50	3.49	3.48	3.47
17.2625	3.46	3.44	3.43	3.42	3.41
17.3250	3.40	3.39	3.38	3.37	3.36
17.3875	3.35	3.34	3.33	3.32	3.31
17.4500	3.30	3.29	3.28	3.27	3.26
17.5125	3.25	3.24	3.23	3.22	3.21
17.5750	3.20	3.19	3.18	3.17	3.16
17.6375	3.15	3.13	3.12	3.11	3.10
17.7000	3.09	3.08	3.07	3.06	3.05
17.7625	3.04	3.03	3.02	3.01	3.00
17.8250	2.99	2.98	2.97	2.96	2.95
17.8875	2.94	2.93	2.92	2.91	2.90
17.9500	2.89	2.88	2.87	2.86	2.85
18.0125	2.84	2.83	2.81	2.80	2.79
18.0750	2.78	2.77	2.76	2.75	2.74
18.1375	2.74	2.73	2.72	2.71	2.70
18.2000	2.69	2.69	2.68	2.67	2.67
18.2625	2.66	2.66	2.65	2.65	2.64
18.3250	2.64	2.63	2.63	2.63	2.62
18.3875	2.62	2.61	2.61	2.61	2.60
18.4500	2.60	2.60	2.59	2.59	2.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5125	2.58	2.58	2.58	2.57	2.57
18.5750	2.57	2.56	2.56	2.56	2.55
18.6375	2.55	2.55	2.54	2.54	2.54
18.7000	2.53	2.53	2.53	2.53	2.52
18.7625	2.52	2.52	2.51	2.51	2.51
18.8250	2.50	2.50	2.50	2.49	2.49
18.8875	2.49	2.48	2.48	2.48	2.48
18.9500	2.47	2.47	2.47	2.46	2.46
19.0125	2.46	2.45	2.45	2.45	2.44
19.0750	2.44	2.44	2.44	2.43	2.43
19.1375	2.43	2.42	2.42	2.42	2.41
19.2000	2.41	2.41	2.40	2.40	2.40
19.2625	2.39	2.39	2.39	2.39	2.38
19.3250	2.38	2.38	2.37	2.37	2.37
19.3875	2.36	2.36	2.36	2.35	2.35
19.4500	2.35	2.35	2.34	2.34	2.34
19.5125	2.33	2.33	2.33	2.32	2.32
19.5750	2.32	2.31	2.31	2.31	2.30
19.6375	2.30	2.30	2.30	2.29	2.29
19.7000	2.29	2.28	2.28	2.28	2.27
19.7625	2.27	2.27	2.26	2.26	2.26
19.8250	2.26	2.25	2.25	2.25	2.24
19.8875	2.24	2.24	2.23	2.23	2.23
19.9500	2.22	2.22	2.22	2.22	2.21
20.0125	2.21	2.21	2.20	2.20	2.20
20.0750	2.19	2.19	2.19	2.18	2.18
20.1375	2.18	2.18	2.17	2.17	2.17
20.2000	2.16	2.16	2.16	2.16	2.15
20.2625	2.15	2.15	2.15	2.14	2.14
20.3250	2.14	2.14	2.14	2.13	2.13
20.3875	2.13	2.13	2.12	2.12	2.12
20.4500	2.11	2.11	2.11	2.11	2.10
20.5125	2.10	2.10	2.10	2.10	2.09
20.5750	2.09	2.09	2.09	2.08	2.08
20.6375	2.08	2.08	2.08	2.07	2.07
20.7000	2.07	2.07	2.06	2.06	2.06
20.7625	2.05	2.05	2.05	2.05	2.04
20.8250	2.04	2.04	2.04	2.04	2.03
20.8875	2.03	2.03	2.03	2.02	2.02
20.9500	2.02	2.02	2.02	2.01	2.01
21.0125	2.01	2.01	2.00	2.00	2.00
21.0750	2.00	2.00	1.99	1.99	1.99
21.1375	1.99	1.99	1.98	1.98	1.98
21.2000	1.98	1.97	1.97	1.97	1.97
21.2625	1.96	1.96	1.96	1.96	1.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3250	1.95	1.95	1.95	1.94	1.94
21.3875	1.94	1.94	1.94	1.93	1.93
21.4500	1.93	1.93	1.92	1.92	1.92
21.5125	1.92	1.91	1.91	1.91	1.91
21.5750	1.90	1.90	1.90	1.90	1.89
21.6375	1.89	1.89	1.89	1.88	1.88
21.7000	1.88	1.88	1.88	1.87	1.87
21.7625	1.87	1.87	1.86	1.86	1.86
21.8250	1.86	1.86	1.85	1.85	1.85
21.8875	1.85	1.85	1.84	1.84	1.84
21.9500	1.84	1.83	1.83	1.83	1.83
22.0125	1.82	1.82	1.82	1.82	1.81
22.0750	1.81	1.81	1.81	1.80	1.80
22.1375	1.80	1.80	1.80	1.79	1.79
22.2000	1.79	1.79	1.78	1.78	1.78
22.2625	1.78	1.77	1.77	1.77	1.77
22.3250	1.76	1.76	1.76	1.76	1.75
22.3875	1.75	1.75	1.75	1.74	1.74
22.4500	1.74	1.74	1.74	1.73	1.73
22.5125	1.73	1.73	1.72	1.72	1.72
22.5750	1.72	1.72	1.71	1.71	1.71
22.6375	1.71	1.70	1.70	1.70	1.70
22.7000	1.70	1.69	1.69	1.69	1.69
22.7625	1.69	1.68	1.68	1.68	1.68
22.8250	1.67	1.67	1.67	1.67	1.66
22.8875	1.66	1.66	1.66	1.65	1.65
22.9500	1.65	1.65	1.64	1.64	1.64
23.0125	1.64	1.64	1.63	1.63	1.63
23.0750	1.63	1.62	1.62	1.62	1.62
23.1375	1.61	1.61	1.61	1.61	1.60
23.2000	1.60	1.60	1.60	1.59	1.59
23.2625	1.59	1.59	1.58	1.58	1.58
23.3250	1.58	1.58	1.57	1.57	1.57
23.3875	1.57	1.56	1.56	1.56	1.56
23.4500	1.56	1.55	1.55	1.55	1.55
23.5125	1.55	1.54	1.54	1.54	1.54
23.5750	1.53	1.53	1.53	1.53	1.52
23.6375	1.52	1.52	1.52	1.51	1.51
23.7000	1.51	1.51	1.50	1.50	1.50
23.7625	1.50	1.50	1.49	1.49	1.49
23.8250	1.49	1.48	1.48	1.48	1.48
23.8875	1.47	1.47	1.47	1.47	1.46
23.9500	1.46	1.46	1.46	1.45	1.45
24.0125	1.45	1.44	1.43	1.42	1.40
24.0750	1.38	1.35	1.31	1.27	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.1375	1.16	1.10	1.03	.96	.89
24.2000	.82	.75	.68	.61	.55
24.2625	.49	.44	.39	.35	.31
24.3250	.28	.25	.22	.19	.17
24.3875	.15	.14	.12	.11	.10
24.4500	.08	.08	.07	.06	.05
24.5125	.05	.04	.04	.03	.03
24.5750	.02	.02	.02	.02	.01
24.6375	.01	.01	.01	.01	.01
24.7000	.01	.01	.00	.00	.00
24.7625	.00	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
WQB CC-4 OUTLET  WQBASIN CC-4 IN  work_pad.hyg  WQB CC-4 OUTLET  50
=====

```

```

INFLOWS TO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time     Peak Flow
              HYG ID          HYG tag        cu.ft       hrs           cfs
-----
work_pad.hyg  WQB CC-4 OUTLET  50             494170      12.1875      123.20

```

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TOTAL FLOW INTO:  DB CC-4      IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time     Peak Flow
              HYG ID          HYG tag        cu.ft       hrs           cfs
-----
work_pad.hyg  DB CC-4      IN  50             494170      12.1875      123.20

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 IN

HYG Tag = 50

 Peak Discharge = 123.20 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 494170 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
10.7000	.00	3.07	5.34	6.87	7.92
10.7625	8.64	9.14	9.50	9.75	9.94
10.8250	10.09	10.20	10.30	10.38	10.46
10.8875	10.56	10.64	10.71	10.77	10.82
10.9500	10.88	10.94	10.99	11.05	11.10
11.0125	11.16	11.21	11.27	11.33	11.40
11.0750	11.46	11.53	11.60	11.68	11.76
11.1375	11.85	11.95	12.04	12.15	12.26
11.2000	12.38	12.51	12.64	12.78	12.93
11.2625	13.08	13.23	13.39	13.55	13.72
11.3250	13.89	14.07	14.25	14.43	14.61
11.3875	14.80	14.98	15.17	15.36	15.56
11.4500	15.75	15.94	16.14	16.34	16.54
11.5125	16.75	16.97	17.21	17.48	17.77
11.5750	18.09	18.45	18.87	19.33	19.85
11.6375	20.45	21.11	21.83	22.64	23.51
11.7000	24.48	25.53	26.64	27.85	29.11
11.7625	30.62	32.17	33.67	35.20	36.78
11.8250	38.39	40.04	41.72	43.42	45.15
11.8875	46.89	48.71	50.65	52.67	54.96
11.9500	57.67	60.39	63.46	66.92	70.62
12.0125	74.70	79.08	83.61	88.61	93.40
12.0750	98.03	102.48	106.84	110.78	114.26
12.1375	117.47	120.01	121.82	123.01	123.20
12.2000	122.80	121.75	119.87	117.68	115.16
12.2625	112.23	109.11	105.81	102.37	98.91
12.3250	95.46	92.02	88.70	85.59	82.64
12.3875	79.93	77.24	74.58	71.99	69.48
12.4500	67.01	64.62	62.28	59.99	57.74
12.5125	55.53	53.45	51.49	49.45	47.44
12.5750	45.50	43.60	41.77	40.01	38.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6375	36.70	35.15	33.69	32.34	31.06
12.7000	29.87	28.90	27.98	27.07	26.21
12.7625	25.39	24.63	23.94	23.29	22.69
12.8250	22.14	21.62	21.14	20.69	20.27
12.8875	19.87	19.50	19.14	18.80	18.48
12.9500	18.18	17.88	17.60	17.33	17.07
13.0125	16.81	16.56	16.31	16.08	15.85
13.0750	15.63	15.42	15.21	15.01	14.81
13.1375	14.63	14.45	14.28	14.12	13.97
13.2000	13.83	13.69	13.56	13.44	13.33
13.2625	13.22	13.12	13.02	12.93	12.85
13.3250	12.77	12.69	12.61	12.54	12.47
13.3875	12.40	12.33	12.27	12.20	12.14
13.4500	12.08	12.02	11.96	11.90	11.84
13.5125	11.78	11.73	11.67	11.61	11.56
13.5750	11.50	11.45	11.39	11.34	11.28
13.6375	11.23	11.17	11.12	11.07	11.01
13.7000	10.96	10.91	10.85	10.80	10.75
13.7625	10.69	10.64	10.59	10.53	10.48
13.8250	10.43	10.40	10.35	10.31	10.26
13.8875	10.21	10.16	10.11	10.06	10.01
13.9500	9.95	9.90	9.85	9.79	9.74
14.0125	9.69	9.64	9.58	9.53	9.48
14.0750	9.43	9.37	9.32	9.27	9.22
14.1375	9.18	9.13	9.08	9.04	8.99
14.2000	8.95	8.91	8.87	8.83	8.80
14.2625	8.76	8.73	8.69	8.66	8.63
14.3250	8.60	8.56	8.53	8.50	8.48
14.3875	8.45	8.42	8.39	8.36	8.33
14.4500	8.31	8.28	8.25	8.23	8.20
14.5125	8.17	8.15	8.12	8.09	8.07
14.5750	8.04	8.02	7.99	7.96	7.94
14.6375	7.91	7.89	7.86	7.84	7.81
14.7000	7.79	7.76	7.73	7.71	7.68
14.7625	7.66	7.63	7.61	7.58	7.55
14.8250	7.53	7.50	7.48	7.45	7.43
14.8875	7.40	7.38	7.35	7.32	7.30
14.9500	7.27	7.25	7.22	7.20	7.17
15.0125	7.15	7.12	7.09	7.07	7.04
15.0750	7.02	6.99	6.97	6.94	6.92
15.1375	6.89	6.86	6.84	6.81	6.79
15.2000	6.76	6.74	6.71	6.69	6.66
15.2625	6.63	6.61	6.58	6.56	6.53
15.3250	6.51	6.48	6.46	6.43	6.40
15.3875	6.38	6.35	6.33	6.30	6.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4500	6.25	6.23	6.20	6.17	6.15
15.5125	6.12	6.10	6.07	6.05	6.02
15.5750	6.00	5.97	5.94	5.92	5.89
15.6375	5.87	5.84	5.82	5.79	5.77
15.7000	5.74	5.72	5.69	5.66	5.64
15.7625	5.61	5.59	5.56	5.53	5.51
15.8250	5.48	5.46	5.43	5.41	5.38
15.8875	5.36	5.33	5.30	5.28	5.25
15.9500	5.23	5.20	5.18	5.15	5.12
16.0125	5.10	5.07	5.05	5.02	5.00
16.0750	4.97	4.95	4.93	4.90	4.88
16.1375	4.86	4.84	4.81	4.79	4.77
16.2000	4.75	4.73	4.72	4.70	4.68
16.2625	4.66	4.65	4.63	4.62	4.60
16.3250	4.59	4.57	4.56	4.55	4.53
16.3875	4.52	4.51	4.49	4.48	4.47
16.4500	4.46	4.44	4.43	4.42	4.41
16.5125	4.40	4.39	4.37	4.36	4.35
16.5750	4.34	4.33	4.32	4.31	4.29
16.6375	4.28	4.27	4.26	4.25	4.24
16.7000	4.23	4.22	4.20	4.19	4.18
16.7625	4.17	4.16	4.15	4.14	4.13
16.8250	4.12	4.10	4.09	4.08	4.07
16.8875	4.06	4.05	4.04	4.03	4.01
16.9500	4.00	3.99	3.98	3.97	3.96
17.0125	3.95	3.94	3.93	3.91	3.90
17.0750	3.89	3.88	3.87	3.86	3.85
17.1375	3.84	3.83	3.81	3.80	3.79
17.2000	3.78	3.77	3.76	3.75	3.74
17.2625	3.73	3.71	3.70	3.69	3.68
17.3250	3.67	3.66	3.65	3.64	3.63
17.3875	3.61	3.60	3.59	3.58	3.57
17.4500	3.56	3.55	3.54	3.52	3.51
17.5125	3.50	3.49	3.48	3.47	3.46
17.5750	3.45	3.44	3.43	3.41	3.40
17.6375	3.39	3.38	3.37	3.36	3.35
17.7000	3.34	3.32	3.31	3.30	3.29
17.7625	3.28	3.27	3.26	3.25	3.24
17.8250	3.22	3.21	3.20	3.19	3.18
17.8875	3.17	3.16	3.15	3.13	3.12
17.9500	3.11	3.10	3.09	3.08	3.07
18.0125	3.06	3.05	3.04	3.02	3.01
18.0750	3.00	2.99	2.98	2.97	2.96
18.1375	2.95	2.94	2.93	2.92	2.91
18.2000	2.91	2.90	2.89	2.88	2.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2625	2.87	2.87	2.86	2.86	2.85
18.3250	2.85	2.84	2.84	2.83	2.83
18.3875	2.82	2.82	2.81	2.81	2.81
18.4500	2.80	2.80	2.80	2.79	2.79
18.5125	2.78	2.78	2.78	2.77	2.77
18.5750	2.77	2.76	2.76	2.76	2.75
18.6375	2.75	2.75	2.74	2.74	2.74
18.7000	2.73	2.73	2.73	2.72	2.72
18.7625	2.72	2.71	2.71	2.71	2.70
18.8250	2.70	2.70	2.69	2.69	2.69
18.8875	2.68	2.68	2.68	2.67	2.67
18.9500	2.67	2.66	2.66	2.66	2.65
19.0125	2.65	2.65	2.64	2.64	2.64
19.0750	2.63	2.63	2.63	2.62	2.62
19.1375	2.62	2.61	2.61	2.61	2.60
19.2000	2.60	2.60	2.59	2.59	2.59
19.2625	2.58	2.58	2.58	2.57	2.57
19.3250	2.57	2.56	2.56	2.56	2.55
19.3875	2.55	2.55	2.54	2.54	2.54
19.4500	2.53	2.53	2.53	2.52	2.52
19.5125	2.52	2.51	2.51	2.51	2.50
19.5750	2.50	2.50	2.49	2.49	2.49
19.6375	2.48	2.48	2.48	2.47	2.47
19.7000	2.47	2.46	2.46	2.46	2.45
19.7625	2.45	2.45	2.44	2.44	2.44
19.8250	2.43	2.43	2.43	2.42	2.42
19.8875	2.42	2.41	2.41	2.41	2.40
19.9500	2.40	2.40	2.39	2.39	2.39
20.0125	2.38	2.38	2.38	2.37	2.37
20.0750	2.37	2.36	2.36	2.36	2.35
20.1375	2.35	2.35	2.34	2.34	2.34
20.2000	2.33	2.33	2.33	2.32	2.32
20.2625	2.32	2.32	2.32	2.31	2.31
20.3250	2.31	2.31	2.30	2.30	2.30
20.3875	2.29	2.29	2.29	2.29	2.28
20.4500	2.28	2.28	2.27	2.27	2.27
20.5125	2.27	2.26	2.26	2.26	2.26
20.5750	2.25	2.25	2.25	2.25	2.24
20.6375	2.24	2.24	2.24	2.23	2.23
20.7000	2.23	2.23	2.22	2.22	2.22
20.7625	2.21	2.21	2.21	2.21	2.20
20.8250	2.20	2.20	2.20	2.19	2.19
20.8875	2.19	2.19	2.19	2.18	2.18
20.9500	2.18	2.18	2.17	2.17	2.17
21.0125	2.17	2.16	2.16	2.16	2.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0750	2.15	2.15	2.15	2.15	2.15
21.1375	2.14	2.14	2.14	2.14	2.13
21.2000	2.13	2.13	2.12	2.12	2.12
21.2625	2.12	2.11	2.11	2.11	2.11
21.3250	2.10	2.10	2.10	2.10	2.09
21.3875	2.09	2.09	2.09	2.08	2.08
21.4500	2.08	2.08	2.07	2.07	2.07
21.5125	2.07	2.06	2.06	2.06	2.05
21.5750	2.05	2.05	2.05	2.04	2.04
21.6375	2.04	2.04	2.03	2.03	2.03
21.7000	2.03	2.02	2.02	2.02	2.02
21.7625	2.01	2.01	2.01	2.01	2.01
21.8250	2.00	2.00	2.00	2.00	1.99
21.8875	1.99	1.99	1.99	1.99	1.98
21.9500	1.98	1.98	1.98	1.97	1.97
22.0125	1.97	1.96	1.96	1.96	1.96
22.0750	1.95	1.95	1.95	1.95	1.94
22.1375	1.94	1.94	1.94	1.93	1.93
22.2000	1.93	1.93	1.92	1.92	1.92
22.2625	1.92	1.91	1.91	1.91	1.91
22.3250	1.90	1.90	1.90	1.89	1.89
22.3875	1.89	1.89	1.88	1.88	1.88
22.4500	1.88	1.87	1.87	1.87	1.87
22.5125	1.86	1.86	1.86	1.86	1.85
22.5750	1.85	1.85	1.85	1.84	1.84
22.6375	1.84	1.84	1.84	1.83	1.83
22.7000	1.83	1.83	1.83	1.82	1.82
22.7625	1.82	1.81	1.81	1.81	1.81
22.8250	1.80	1.80	1.80	1.80	1.79
22.8875	1.79	1.79	1.78	1.78	1.78
22.9500	1.78	1.77	1.77	1.77	1.77
23.0125	1.77	1.76	1.76	1.76	1.76
23.0750	1.75	1.75	1.75	1.74	1.74
23.1375	1.74	1.74	1.73	1.73	1.73
23.2000	1.72	1.72	1.72	1.72	1.72
23.2625	1.71	1.71	1.71	1.71	1.70
23.3250	1.70	1.70	1.70	1.69	1.69
23.3875	1.69	1.69	1.68	1.68	1.68
23.4500	1.68	1.68	1.67	1.67	1.67
23.5125	1.67	1.66	1.66	1.66	1.66
23.5750	1.65	1.65	1.65	1.65	1.64
23.6375	1.64	1.64	1.63	1.63	1.63
23.7000	1.63	1.62	1.62	1.62	1.62
23.7625	1.61	1.61	1.61	1.61	1.60
23.8250	1.60	1.60	1.60	1.59	1.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.8875	1.59	1.59	1.58	1.58	1.58
23.9500	1.58	1.57	1.57	1.57	1.56
24.0125	1.56	1.55	1.54	1.53	1.51
24.0750	1.49	1.46	1.42	1.37	1.31
24.1375	1.25	1.18	1.11	1.03	.96
24.2000	.88	.80	.73	.66	.59
24.2625	.53	.47	.42	.38	.34
24.3250	.30	.27	.24	.21	.19
24.3875	.17	.15	.13	.12	.10
24.4500	.09	.08	.07	.06	.06
24.5125	.05	.04	.04	.03	.03
24.5750	.03	.02	.02	.02	.02
24.6375	.01	.01	.01	.01	.01
24.7000	.01	.01	.01	.00	.00
24.7625	.00	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: DB CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
WQB CC-4 OUTLET  WQBASIN CC-4 IN  work_pad.hyg  WQB CC-4 OUTLET  100
=====

```

```

INFLOWS TO:  DB CC-4      IN
-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  WQB CC-4 OUTLET  100          540138      12.1875     132.41

```

```

TOTAL FLOW INTO:  DB CC-4      IN
-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  DB CC-4      IN  100          540138      12.1875     132.41

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 IN

HYG Tag = 100

 Peak Discharge = 132.41 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 540138 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
10.4500	.00	2.75	5.01	6.55	7.60
10.5125	8.32	8.82	9.18	9.44	9.63
10.5750	9.78	9.89	9.99	10.08	10.15
10.6375	10.22	10.29	10.35	10.41	10.50
10.7000	10.58	10.65	10.71	10.78	10.84
10.7625	10.89	10.95	11.01	11.07	11.13
10.8250	11.19	11.25	11.30	11.36	11.42
10.8875	11.48	11.54	11.60	11.66	11.72
10.9500	11.77	11.83	11.89	11.95	12.01
11.0125	12.07	12.13	12.19	12.26	12.33
11.0750	12.40	12.47	12.55	12.63	12.72
11.1375	12.82	12.92	13.02	13.13	13.26
11.2000	13.38	13.52	13.66	13.81	13.97
11.2625	14.13	14.30	14.47	14.64	14.82
11.3250	15.01	15.20	15.39	15.59	15.78
11.3875	15.98	16.18	16.39	16.59	16.80
11.4500	17.01	17.22	17.43	17.64	17.86
11.5125	18.08	18.32	18.58	18.86	19.18
11.5750	19.52	19.91	20.36	20.86	21.42
11.6375	22.07	22.77	23.55	24.43	25.36
11.7000	26.40	27.53	28.73	30.13	31.70
11.7625	33.21	34.76	36.32	37.95	39.64
11.8250	41.37	43.15	44.95	46.78	48.64
11.8875	50.52	52.47	54.60	56.98	59.46
11.9500	62.17	65.04	68.33	72.04	76.01
12.0125	80.39	85.22	90.36	95.42	100.49
12.0750	105.44	110.22	114.89	119.26	123.10
12.1375	126.49	129.05	130.96	132.21	132.41
12.2000	131.97	130.83	128.81	126.44	123.64
12.2625	120.37	116.98	113.60	109.96	106.24
12.3250	102.54	98.84	95.27	91.92	88.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3875	85.59	82.72	80.02	77.29	74.60
12.4500	71.96	69.38	66.87	64.40	61.99
12.5125	59.61	57.28	55.00	52.91	50.86
12.5750	48.82	46.80	44.84	42.95	41.12
12.6375	39.39	37.73	36.16	34.71	33.34
12.7000	32.06	30.89	29.79	28.90	28.06
12.7625	27.21	26.42	25.68	24.99	24.35
12.8250	23.76	23.20	22.69	22.21	21.75
12.8875	21.33	20.92	20.54	20.18	19.83
12.9500	19.50	19.19	18.89	18.60	18.31
13.0125	18.04	17.77	17.51	17.25	17.01
13.0750	16.77	16.54	16.32	16.10	15.90
13.1375	15.70	15.50	15.32	15.15	14.99
13.2000	14.84	14.69	14.55	14.42	14.30
13.2625	14.19	14.08	13.98	13.88	13.79
13.3250	13.70	13.61	13.53	13.45	13.38
13.3875	13.30	13.23	13.16	13.09	13.03
13.4500	12.96	12.90	12.83	12.77	12.71
13.5125	12.64	12.58	12.52	12.46	12.40
13.5750	12.34	12.28	12.22	12.17	12.11
13.6375	12.05	11.99	11.93	11.87	11.82
13.7000	11.76	11.70	11.64	11.59	11.53
13.7625	11.47	11.41	11.36	11.30	11.24
13.8250	11.19	11.13	11.07	11.01	10.96
13.8875	10.90	10.84	10.79	10.73	10.67
13.9500	10.61	10.56	10.50	10.44	10.41
14.0125	10.36	10.32	10.27	10.21	10.16
14.0750	10.11	10.05	10.00	9.95	9.90
14.1375	9.84	9.79	9.74	9.70	9.65
14.2000	9.60	9.56	9.52	9.48	9.44
14.2625	9.40	9.36	9.33	9.29	9.26
14.3250	9.22	9.19	9.16	9.12	9.09
14.3875	9.06	9.03	9.00	8.97	8.94
14.4500	8.91	8.88	8.85	8.83	8.80
14.5125	8.77	8.74	8.71	8.68	8.66
14.5750	8.63	8.60	8.57	8.54	8.52
14.6375	8.49	8.46	8.43	8.41	8.38
14.7000	8.35	8.32	8.30	8.27	8.24
14.7625	8.21	8.19	8.16	8.13	8.10
14.8250	8.08	8.05	8.02	7.99	7.97
14.8875	7.94	7.91	7.89	7.86	7.83
14.9500	7.80	7.77	7.75	7.72	7.69
15.0125	7.66	7.64	7.61	7.58	7.55
15.0750	7.53	7.50	7.47	7.45	7.42
15.1375	7.39	7.36	7.34	7.31	7.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2000	7.25	7.23	7.20	7.17	7.14
15.2625	7.12	7.09	7.06	7.03	7.01
15.3250	6.98	6.95	6.92	6.90	6.87
15.3875	6.84	6.81	6.79	6.76	6.73
15.4500	6.71	6.68	6.65	6.62	6.60
15.5125	6.57	6.54	6.51	6.49	6.46
15.5750	6.43	6.40	6.38	6.35	6.32
15.6375	6.29	6.27	6.24	6.21	6.19
15.7000	6.16	6.13	6.10	6.07	6.05
15.7625	6.02	5.99	5.96	5.94	5.91
15.8250	5.88	5.85	5.83	5.80	5.77
15.8875	5.74	5.72	5.69	5.66	5.63
15.9500	5.61	5.58	5.55	5.52	5.50
16.0125	5.47	5.44	5.42	5.39	5.36
16.0750	5.34	5.31	5.28	5.26	5.23
16.1375	5.21	5.19	5.16	5.14	5.12
16.2000	5.10	5.08	5.06	5.04	5.02
16.2625	5.00	4.98	4.97	4.95	4.93
16.3250	4.92	4.90	4.89	4.88	4.86
16.3875	4.85	4.83	4.82	4.81	4.79
16.4500	4.78	4.77	4.75	4.74	4.73
16.5125	4.72	4.70	4.69	4.68	4.67
16.5750	4.66	4.64	4.63	4.62	4.61
16.6375	4.59	4.58	4.57	4.56	4.55
16.7000	4.53	4.52	4.51	4.50	4.49
16.7625	4.47	4.46	4.45	4.44	4.43
16.8250	4.41	4.40	4.39	4.38	4.37
16.8875	4.35	4.34	4.33	4.32	4.31
16.9500	4.29	4.28	4.27	4.26	4.25
17.0125	4.23	4.22	4.21	4.20	4.19
17.0750	4.17	4.16	4.15	4.14	4.13
17.1375	4.11	4.10	4.09	4.08	4.07
17.2000	4.06	4.04	4.03	4.02	4.01
17.2625	4.00	3.98	3.97	3.96	3.95
17.3250	3.94	3.92	3.91	3.90	3.89
17.3875	3.88	3.87	3.85	3.84	3.83
17.4500	3.82	3.80	3.79	3.78	3.77
17.5125	3.76	3.74	3.73	3.72	3.71
17.5750	3.70	3.69	3.67	3.66	3.65
17.6375	3.64	3.63	3.61	3.60	3.59
17.7000	3.58	3.57	3.55	3.54	3.53
17.7625	3.52	3.51	3.49	3.48	3.47
17.8250	3.46	3.45	3.43	3.42	3.41
17.8875	3.40	3.39	3.37	3.36	3.35
17.9500	3.34	3.33	3.31	3.30	3.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0125	3.28	3.27	3.26	3.24	3.23
18.0750	3.22	3.21	3.20	3.19	3.17
18.1375	3.16	3.15	3.14	3.13	3.12
18.2000	3.12	3.11	3.10	3.09	3.09
18.2625	3.08	3.07	3.07	3.06	3.06
18.3250	3.05	3.05	3.04	3.04	3.03
18.3875	3.03	3.02	3.02	3.01	3.01
18.4500	3.01	3.00	3.00	2.99	2.99
18.5125	2.99	2.98	2.98	2.97	2.97
18.5750	2.97	2.96	2.96	2.96	2.95
18.6375	2.95	2.95	2.94	2.94	2.93
18.7000	2.93	2.93	2.92	2.92	2.92
18.7625	2.91	2.91	2.91	2.90	2.90
18.8250	2.89	2.89	2.89	2.88	2.88
18.8875	2.88	2.87	2.87	2.87	2.86
18.9500	2.86	2.86	2.85	2.85	2.84
19.0125	2.84	2.84	2.83	2.83	2.83
19.0750	2.82	2.82	2.82	2.81	2.81
19.1375	2.81	2.80	2.80	2.79	2.79
19.2000	2.79	2.78	2.78	2.78	2.77
19.2625	2.77	2.77	2.76	2.76	2.76
19.3250	2.75	2.75	2.74	2.74	2.74
19.3875	2.73	2.73	2.73	2.72	2.72
19.4500	2.72	2.71	2.71	2.70	2.70
19.5125	2.70	2.69	2.69	2.69	2.68
19.5750	2.68	2.68	2.67	2.67	2.67
19.6375	2.66	2.66	2.65	2.65	2.65
19.7000	2.64	2.64	2.64	2.63	2.63
19.7625	2.63	2.62	2.62	2.62	2.61
19.8250	2.61	2.60	2.60	2.60	2.59
19.8875	2.59	2.59	2.58	2.58	2.58
19.9500	2.57	2.57	2.57	2.56	2.56
20.0125	2.55	2.55	2.55	2.54	2.54
20.0750	2.54	2.53	2.53	2.53	2.52
20.1375	2.52	2.52	2.51	2.51	2.51
20.2000	2.50	2.50	2.50	2.49	2.49
20.2625	2.49	2.49	2.48	2.48	2.48
20.3250	2.47	2.47	2.47	2.47	2.46
20.3875	2.46	2.46	2.45	2.45	2.45
20.4500	2.45	2.44	2.44	2.44	2.43
20.5125	2.43	2.43	2.43	2.42	2.42
20.5750	2.42	2.41	2.41	2.41	2.41
20.6375	2.40	2.40	2.40	2.40	2.39
20.7000	2.39	2.39	2.38	2.38	2.38
20.7625	2.38	2.37	2.37	2.37	2.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8250	2.36	2.36	2.36	2.35	2.35
20.8875	2.35	2.35	2.34	2.34	2.34
20.9500	2.34	2.33	2.33	2.33	2.33
21.0125	2.32	2.32	2.32	2.32	2.31
21.0750	2.31	2.31	2.31	2.30	2.30
21.1375	2.30	2.30	2.29	2.29	2.29
21.2000	2.28	2.28	2.28	2.28	2.27
21.2625	2.27	2.27	2.26	2.26	2.26
21.3250	2.26	2.25	2.25	2.25	2.25
21.3875	2.24	2.24	2.24	2.23	2.23
21.4500	2.23	2.23	2.22	2.22	2.22
21.5125	2.22	2.21	2.21	2.21	2.20
21.5750	2.20	2.20	2.19	2.19	2.19
21.6375	2.19	2.18	2.18	2.18	2.18
21.7000	2.17	2.17	2.17	2.17	2.16
21.7625	2.16	2.16	2.16	2.15	2.15
21.8250	2.15	2.15	2.14	2.14	2.14
21.8875	2.14	2.13	2.13	2.13	2.13
21.9500	2.12	2.12	2.12	2.12	2.11
22.0125	2.11	2.11	2.10	2.10	2.10
22.0750	2.09	2.09	2.09	2.09	2.08
22.1375	2.08	2.08	2.08	2.07	2.07
22.2000	2.07	2.07	2.06	2.06	2.06
22.2625	2.05	2.05	2.05	2.05	2.04
22.3250	2.04	2.04	2.03	2.03	2.03
22.3875	2.02	2.02	2.02	2.02	2.01
22.4500	2.01	2.01	2.01	2.00	2.00
22.5125	2.00	2.00	1.99	1.99	1.99
22.5750	1.99	1.98	1.98	1.98	1.98
22.6375	1.97	1.97	1.97	1.97	1.96
22.7000	1.96	1.96	1.96	1.95	1.95
22.7625	1.95	1.95	1.94	1.94	1.94
22.8250	1.93	1.93	1.93	1.93	1.92
22.8875	1.92	1.92	1.91	1.91	1.91
22.9500	1.91	1.90	1.90	1.90	1.90
23.0125	1.89	1.89	1.89	1.89	1.88
23.0750	1.88	1.88	1.87	1.87	1.87
23.1375	1.86	1.86	1.86	1.86	1.85
23.2000	1.85	1.85	1.84	1.84	1.84
23.2625	1.84	1.83	1.83	1.83	1.83
23.3250	1.82	1.82	1.82	1.82	1.81
23.3875	1.81	1.81	1.81	1.80	1.80
23.4500	1.80	1.80	1.79	1.79	1.79
23.5125	1.79	1.78	1.78	1.78	1.78
23.5750	1.77	1.77	1.77	1.77	1.76

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6375	1.76	1.76	1.75	1.75	1.75
23.7000	1.74	1.74	1.74	1.74	1.73
23.7625	1.73	1.73	1.73	1.72	1.72
23.8250	1.72	1.72	1.71	1.71	1.71
23.8875	1.70	1.70	1.70	1.70	1.69
23.9500	1.69	1.69	1.68	1.68	1.68
24.0125	1.67	1.66	1.65	1.64	1.62
24.0750	1.59	1.56	1.52	1.47	1.41
24.1375	1.34	1.27	1.19	1.11	1.03
24.2000	.94	.86	.78	.71	.64
24.2625	.57	.51	.45	.40	.36
24.3250	.32	.28	.25	.23	.20
24.3875	.18	.16	.14	.12	.11
24.4500	.10	.09	.08	.07	.06
24.5125	.05	.05	.04	.04	.03
24.5750	.03	.03	.02	.02	.02
24.6375	.02	.01	.01	.01	.01
24.7000	.01	.01	.01	.00	.00
24.7625	.00	.00	.00		

Name... DB CC-4 OUT Tag: 2

Event: 2 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 2

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB CC-4 IN 2
Outflow HYG file = work_pad.hyg - DB CC-4 OUT 2

Pond Node Data = DB CC-4
Pond Volume Data = DB CC-4
Pond Outlet Data = DB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 243.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 57.91 cfs at 12.1875 hrs
Peak Outflow = 25.18 cfs at 12.5375 hrs

Peak Elevation = 246.14 ft
Peak Storage = 39997 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 174573
- Infiltration = 0
- HYG Vol OUT = 174573
- Retained Vol = 0

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUT

HYG Tag = 2

 Peak Discharge = 25.18 cfs
 Time to Peak = 12.5375 hrs
 HYG Volume = 174573 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

12.0875	.00	.09	.99	2.29	3.58
12.1500	4.77	6.06	7.45	8.90	10.36
12.2125	11.83	13.25	15.79	16.70	17.45
12.2750	18.12	18.73	19.28	19.78	20.22
12.3375	20.63	20.99	21.31	21.61	21.87
12.4000	22.11	22.32	22.54	22.96	23.43
12.4625	23.88	24.28	24.60	24.86	25.04
12.5250	25.15	25.18	25.14	25.04	24.88
12.5875	24.67	24.43	24.16	23.87	23.56
12.6500	23.26	22.96	22.69	22.48	22.36
12.7125	22.24	22.12	21.99	21.85	21.71
12.7750	21.57	21.42	21.26	21.10	20.94
12.8375	20.78	20.61	20.45	20.28	20.11
12.9000	19.93	19.76	19.58	19.41	19.23
12.9625	19.05	18.86	18.68	18.50	18.31
13.0250	18.12	17.93	17.75	17.55	17.36
13.0875	17.17	16.98	16.79	16.59	16.40
13.1500	16.20	16.01	14.94	14.29	14.04
13.2125	13.80	13.58	13.36	13.14	12.94
13.2750	12.73	12.54	12.33	12.16	11.95
13.3375	11.79	11.61	11.44	11.27	11.12
13.4000	10.96	10.80	10.66	10.51	10.37
13.4625	10.23	10.10	9.97	9.85	9.72
13.5250	9.61	9.49	9.38	9.27	9.16
13.5875	9.05	8.95	8.85	8.75	8.66
13.6500	8.57	8.48	8.38	8.30	8.22
13.7125	8.13	8.04	7.97	7.90	7.82
13.7750	7.74	7.66	7.60	7.53	7.47
13.8375	7.40	7.34	7.27	7.21	7.15
13.9000	7.09	7.02	6.96	6.90	6.85
13.9625	6.80	6.74	6.69	6.64	6.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0250	6.54	6.49	6.44	6.39	6.34
14.0875	6.30	6.25	6.20	6.16	6.11
14.1500	6.07	6.02	5.98	5.94	5.90
14.2125	5.86	5.81	5.77	5.73	5.69
14.2750	5.66	5.63	5.60	5.56	5.52
14.3375	5.49	5.45	5.42	5.39	5.36
14.4000	5.33	5.30	5.26	5.23	5.20
14.4625	5.17	5.14	5.11	5.09	5.06
14.5250	5.04	5.01	4.99	4.96	4.93
14.5875	4.91	4.88	4.86	4.84	4.82
14.6500	4.79	4.76	4.74	4.72	4.69
14.7125	4.67	4.65	4.63	4.61	4.59
14.7750	4.57	4.55	4.53	4.51	4.48
14.8375	4.46	4.45	4.43	4.41	4.39
14.9000	4.37	4.36	4.34	4.32	4.30
14.9625	4.29	4.27	4.25	4.23	4.22
15.0250	4.20	4.18	4.17	4.15	4.13
15.0875	4.11	4.10	4.08	4.06	4.05
15.1500	4.03	4.01	4.00	3.98	3.96
15.2125	3.95	3.93	3.91	3.90	3.88
15.2750	3.86	3.85	3.83	3.81	3.80
15.3375	3.78	3.76	3.75	3.73	3.72
15.4000	3.70	3.68	3.67	3.65	3.63
15.4625	3.62	3.60	3.59	3.57	3.55
15.5250	3.54	3.52	3.51	3.49	3.48
15.5875	3.46	3.45	3.44	3.42	3.41
15.6500	3.39	3.38	3.36	3.35	3.33
15.7125	3.31	3.30	3.28	3.27	3.25
15.7750	3.24	3.23	3.21	3.20	3.19
15.8375	3.17	3.15	3.14	3.12	3.11
15.9000	3.10	3.08	3.07	3.06	3.04
15.9625	3.02	3.01	2.99	2.98	2.96
16.0250	2.95	2.94	2.92	2.91	2.90
16.0875	2.88	2.87	2.86	2.84	2.83
16.1500	2.81	2.79	2.78	2.77	2.75
16.2125	2.74	2.73	2.71	2.70	2.69
16.2750	2.68	2.66	2.65	2.64	2.63
16.3375	2.62	2.60	2.59	2.58	2.57
16.4000	2.55	2.54	2.53	2.52	2.50
16.4625	2.49	2.48	2.47	2.46	2.45
16.5250	2.44	2.43	2.42	2.41	2.40
16.5875	2.39	2.38	2.37	2.36	2.35
16.6500	2.34	2.33	2.33	2.32	2.31
16.7125	2.30	2.29	2.29	2.28	2.27
16.7750	2.26	2.26	2.25	2.24	2.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8375	2.22	2.22	2.21	2.20	2.19
16.9000	2.19	2.18	2.17	2.17	2.16
16.9625	2.15	2.15	2.14	2.13	2.12
17.0250	2.11	2.11	2.10	2.09	2.09
17.0875	2.08	2.07	2.06	2.06	2.05
17.1500	2.04	2.04	2.03	2.02	2.02
17.2125	2.01	2.00	2.00	1.99	1.98
17.2750	1.98	1.97	1.96	1.96	1.95
17.3375	1.95	1.94	1.94	1.93	1.93
17.4000	1.92	1.92	1.91	1.90	1.90
17.4625	1.89	1.88	1.88	1.87	1.86
17.5250	1.86	1.85	1.84	1.84	1.83
17.5875	1.83	1.82	1.82	1.81	1.80
17.6500	1.80	1.79	1.79	1.78	1.77
17.7125	1.77	1.76	1.76	1.75	1.75
17.7750	1.74	1.73	1.73	1.72	1.72
17.8375	1.71	1.70	1.70	1.69	1.69
17.9000	1.68	1.67	1.67	1.66	1.66
17.9625	1.65	1.65	1.64	1.63	1.63
18.0250	1.62	1.62	1.61	1.61	1.60
18.0875	1.60	1.59	1.59	1.58	1.57
18.1500	1.57	1.56	1.56	1.55	1.54
18.2125	1.54	1.53	1.53	1.52	1.52
18.2750	1.51	1.51	1.50	1.50	1.49
18.3375	1.49	1.48	1.48	1.47	1.47
18.4000	1.47	1.46	1.46	1.46	1.45
18.4625	1.45	1.45	1.44	1.44	1.44
18.5250	1.43	1.43	1.43	1.42	1.42
18.5875	1.42	1.41	1.41	1.41	1.41
18.6500	1.40	1.40	1.40	1.40	1.39
18.7125	1.39	1.39	1.38	1.38	1.38
18.7750	1.38	1.37	1.37	1.37	1.37
18.8375	1.36	1.36	1.36	1.36	1.36
18.9000	1.35	1.35	1.35	1.35	1.34
18.9625	1.34	1.34	1.34	1.34	1.33
19.0250	1.33	1.33	1.33	1.33	1.33
19.0875	1.32	1.32	1.32	1.32	1.32
19.1500	1.32	1.31	1.31	1.31	1.31
19.2125	1.31	1.31	1.30	1.30	1.30
19.2750	1.30	1.30	1.30	1.29	1.29
19.3375	1.29	1.29	1.29	1.28	1.28
19.4000	1.28	1.28	1.28	1.28	1.27
19.4625	1.27	1.27	1.27	1.27	1.27
19.5250	1.26	1.26	1.26	1.26	1.26
19.5875	1.26	1.25	1.25	1.25	1.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6500	1.25	1.25	1.24	1.24	1.24
19.7125	1.24	1.24	1.24	1.23	1.23
19.7750	1.23	1.23	1.23	1.23	1.22
19.8375	1.22	1.22	1.22	1.22	1.22
19.9000	1.21	1.21	1.21	1.21	1.21
19.9625	1.21	1.20	1.20	1.20	1.20
20.0250	1.20	1.20	1.19	1.19	1.19
20.0875	1.19	1.19	1.19	1.18	1.18
20.1500	1.18	1.18	1.18	1.18	1.17
20.2125	1.17	1.17	1.17	1.17	1.17
20.2750	1.16	1.16	1.16	1.16	1.16
20.3375	1.16	1.16	1.15	1.15	1.15
20.4000	1.15	1.15	1.15	1.15	1.15
20.4625	1.14	1.14	1.14	1.14	1.14
20.5250	1.14	1.14	1.13	1.13	1.13
20.5875	1.13	1.13	1.13	1.13	1.13
20.6500	1.12	1.12	1.12	1.12	1.12
20.7125	1.12	1.12	1.12	1.11	1.11
20.7750	1.11	1.11	1.11	1.11	1.11
20.8375	1.10	1.10	1.10	1.10	1.10
20.9000	1.10	1.09	1.09	1.09	1.09
20.9625	1.09	1.09	1.09	1.09	1.08
21.0250	1.08	1.08	1.08	1.08	1.08
21.0875	1.08	1.08	1.07	1.07	1.07
21.1500	1.07	1.07	1.07	1.07	1.07
21.2125	1.06	1.06	1.06	1.06	1.06
21.2750	1.06	1.06	1.06	1.05	1.05
21.3375	1.05	1.05	1.05	1.05	1.05
21.4000	1.05	1.04	1.04	1.04	1.04
21.4625	1.04	1.04	1.04	1.04	1.03
21.5250	1.03	1.03	1.03	1.03	1.03
21.5875	1.03	1.02	1.02	1.02	1.02
21.6500	1.02	1.02	1.02	1.02	1.02
21.7125	1.01	1.01	1.01	1.01	1.01
21.7750	1.01	1.01	1.01	1.01	1.00
21.8375	1.00	1.00	1.00	1.00	1.00
21.9000	1.00	1.00	1.00	.99	.99
21.9625	.99	.99	.99	.99	.99
22.0250	.99	.98	.98	.98	.98
22.0875	.98	.98	.98	.98	.97
22.1500	.97	.97	.97	.97	.97
22.2125	.97	.97	.96	.96	.96
22.2750	.96	.96	.96	.96	.96
22.3375	.95	.95	.95	.95	.95
22.4000	.95	.95	.95	.94	.94

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
22.4625	.94	.94	.94	.94	.94
22.5250	.93	.93	.93	.93	.93
22.5875	.93	.93	.92	.92	.92
22.6500	.92	.92	.92	.92	.92
22.7125	.91	.91	.91	.91	.91
22.7750	.91	.91	.91	.90	.90
22.8375	.90	.90	.90	.90	.90
22.9000	.90	.89	.89	.89	.89
22.9625	.89	.89	.89	.89	.89
23.0250	.88	.88	.88	.88	.88
23.0875	.88	.88	.88	.87	.87
23.1500	.87	.87	.87	.87	.87
23.2125	.87	.86	.86	.86	.86
23.2750	.86	.86	.86	.86	.85
23.3375	.85	.85	.85	.85	.85
23.4000	.85	.85	.84	.84	.84
23.4625	.84	.84	.84	.84	.84
23.5250	.84	.83	.83	.83	.83
23.5875	.83	.83	.83	.83	.82
23.6500	.82	.82	.82	.82	.82
23.7125	.82	.82	.81	.81	.81
23.7750	.81	.81	.81	.81	.81
23.8375	.81	.80	.80	.80	.80
23.9000	.80	.80	.80	.80	.79
23.9625	.79	.79	.79	.79	.79
24.0250	.79	.78	.78	.78	.78
24.0875	.77	.77	.76	.76	.75
24.1500	.74	.73	.71	.70	.68
24.2125	.66	.64	.62	.60	.57
24.2750	.55	.52	.50	.47	.44
24.3375	.42	.39	.36	.34	.31
24.4000	.29	.26	.24	.22	.20
24.4625	.18	.16	.14	.12	.10
24.5250	.09	.08	.06	.05	.04
24.5875	.03	.03	.02	.02	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB CC-4 IN 10
Outflow HYG file = work_pad.hyg - DB CC-4 OUT 10

Pond Node Data = DB CC-4
Pond Volume Data = DB CC-4
Pond Outlet Data = DB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 243.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 95.42 cfs at 12.1875 hrs
Peak Outflow = 84.56 cfs at 12.2750 hrs

Peak Elevation = 247.26 ft
Peak Storage = 60383 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 356575
- Infiltration = 0
- HYG Vol OUT = 356576
- Retained Vol = 0

Unrouted Vol = 1 cu.ft (.000% of Outflow Volume)

Name.... DB CC-4 OUT Tag: 10

Event: 10 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUT

HYG Tag = 10

Peak Discharge = 84.56 cfs
Time to Peak = 12.2750 hrs
HYG Volume = 356576 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
hrs Time on left represents time for first value in each row.

11.4875	.00	.23	.59	1.00	1.42
11.5500	1.81	2.20	2.57	2.91	3.23
11.6125	3.54	3.85	4.13	4.40	4.69
11.6750	5.00	5.30	5.63	5.98	6.36
11.7375	6.74	7.16	7.59	8.04	8.54
11.8000	9.05	9.59	10.16	10.76	11.38
11.8625	12.04	12.73	13.43	14.19	16.09
11.9250	16.59	17.09	17.60	18.12	18.66
11.9875	19.21	19.78	20.38	20.99	21.64
12.0500	22.30	24.10	27.59	31.97	36.90
12.1125	42.16	47.55	52.92	58.12	63.02
12.1750	67.55	71.61	75.14	78.12	80.52
12.2375	82.33	83.58	84.31	84.56	84.39
12.3000	83.85	83.00	81.87	80.52	78.97
12.3625	77.30	75.53	73.69	71.82	69.94
12.4250	68.05	66.17	64.32	62.50	60.70
12.4875	58.93	57.18	55.46	53.76	52.09
12.5500	50.45	48.83	47.25	45.71	44.20
12.6125	42.74	41.31	39.94	38.63	37.37
12.6750	36.16	35.00	33.88	32.82	31.80
12.7375	30.84	29.92	29.06	28.25	27.49
12.8000	26.77	26.11	25.49	24.92	24.39
12.8625	23.91	23.48	23.09	22.77	22.51
12.9250	22.38	22.26	22.15	22.03	21.91
12.9875	21.78	21.66	21.53	21.40	21.27
13.0500	21.13	21.00	20.86	20.72	20.58
13.1125	20.44	20.30	20.15	20.01	19.86
13.1750	19.71	19.56	19.41	19.26	19.11
13.2375	18.96	18.81	18.66	18.51	18.36
13.3000	18.21	18.05	17.90	17.75	17.60
13.3625	17.45	17.30	17.16	17.01	16.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.4250	16.71	16.56	16.42	16.27	16.13
13.4875	15.98	15.27	14.38	14.22	14.05
13.5500	13.88	13.74	13.59	13.44	13.31
13.6125	13.17	13.03	12.90	12.77	12.64
13.6750	12.53	12.40	12.27	12.17	12.05
13.7375	11.93	11.84	11.72	11.62	11.52
13.8000	11.41	11.31	11.22	11.13	11.04
13.8625	10.95	10.85	10.77	10.68	10.59
13.9250	10.51	10.43	10.35	10.27	10.19
13.9875	10.11	10.04	9.97	9.89	9.82
14.0500	9.75	9.69	9.62	9.54	9.48
14.1125	9.42	9.35	9.28	9.22	9.15
14.1750	9.09	9.03	8.97	8.92	8.86
14.2375	8.80	8.74	8.68	8.64	8.59
14.3000	8.53	8.48	8.42	8.37	8.33
14.3625	8.28	8.23	8.18	8.13	8.08
14.4250	8.04	8.00	7.96	7.92	7.88
14.4875	7.84	7.80	7.75	7.71	7.67
14.5500	7.63	7.60	7.56	7.53	7.49
14.6125	7.46	7.43	7.40	7.36	7.32
14.6750	7.29	7.25	7.22	7.19	7.16
14.7375	7.13	7.10	7.07	7.04	7.00
14.8000	6.97	6.94	6.91	6.89	6.86
14.8625	6.83	6.80	6.78	6.75	6.72
14.9250	6.70	6.67	6.65	6.62	6.59
14.9875	6.57	6.54	6.52	6.49	6.47
15.0500	6.44	6.42	6.39	6.37	6.34
15.1125	6.32	6.30	6.27	6.25	6.22
15.1750	6.20	6.18	6.15	6.13	6.11
15.2375	6.08	6.06	6.04	6.01	5.99
15.3000	5.97	5.94	5.92	5.90	5.88
15.3625	5.85	5.83	5.81	5.79	5.76
15.4250	5.74	5.72	5.70	5.68	5.66
15.4875	5.64	5.62	5.60	5.58	5.56
15.5500	5.54	5.51	5.49	5.47	5.45
15.6125	5.43	5.41	5.39	5.37	5.35
15.6750	5.33	5.31	5.29	5.27	5.24
15.7375	5.22	5.20	5.18	5.16	5.14
15.8000	5.12	5.10	5.08	5.07	5.05
15.8625	5.03	5.01	4.99	4.97	4.95
15.9250	4.93	4.90	4.89	4.87	4.85
15.9875	4.83	4.81	4.79	4.77	4.74
16.0500	4.72	4.71	4.69	4.67	4.65
16.1125	4.63	4.61	4.60	4.58	4.56
16.1750	4.53	4.51	4.49	4.47	4.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2375	4.44	4.42	4.40	4.38	4.37
16.3000	4.35	4.33	4.32	4.30	4.28
16.3625	4.27	4.25	4.23	4.22	4.20
16.4250	4.18	4.17	4.15	4.14	4.12
16.4875	4.10	4.09	4.07	4.06	4.04
16.5500	4.03	4.01	4.00	3.98	3.97
16.6125	3.95	3.94	3.92	3.91	3.89
16.6750	3.88	3.86	3.85	3.84	3.82
16.7375	3.81	3.79	3.78	3.77	3.75
16.8000	3.74	3.73	3.71	3.70	3.69
16.8625	3.67	3.66	3.65	3.63	3.62
16.9250	3.61	3.59	3.58	3.57	3.56
16.9875	3.54	3.53	3.52	3.51	3.49
17.0500	3.48	3.47	3.46	3.45	3.44
17.1125	3.43	3.42	3.41	3.40	3.39
17.1750	3.38	3.36	3.35	3.34	3.33
17.2375	3.32	3.31	3.29	3.28	3.27
17.3000	3.26	3.25	3.24	3.23	3.22
17.3625	3.21	3.20	3.19	3.18	3.17
17.4250	3.16	3.15	3.14	3.12	3.11
17.4875	3.10	3.10	3.09	3.08	3.07
17.5500	3.06	3.05	3.04	3.03	3.01
17.6125	3.00	2.99	2.98	2.97	2.96
17.6750	2.95	2.94	2.93	2.93	2.92
17.7375	2.91	2.90	2.89	2.88	2.87
17.8000	2.86	2.85	2.84	2.83	2.82
17.8625	2.81	2.80	2.78	2.77	2.76
17.9250	2.76	2.75	2.74	2.73	2.72
17.9875	2.71	2.70	2.69	2.68	2.67
18.0500	2.66	2.66	2.65	2.64	2.63
18.1125	2.62	2.61	2.60	2.59	2.58
18.1750	2.57	2.56	2.55	2.54	2.53
18.2375	2.52	2.51	2.50	2.49	2.48
18.3000	2.47	2.46	2.46	2.45	2.44
18.3625	2.43	2.42	2.42	2.41	2.40
18.4250	2.40	2.39	2.38	2.38	2.37
18.4875	2.36	2.36	2.35	2.35	2.34
18.5500	2.33	2.33	2.32	2.32	2.31
18.6125	2.31	2.30	2.30	2.29	2.29
18.6750	2.29	2.28	2.28	2.27	2.27
18.7375	2.26	2.26	2.25	2.25	2.24
18.8000	2.24	2.23	2.23	2.23	2.22
18.8625	2.22	2.21	2.21	2.20	2.20
18.9250	2.20	2.19	2.19	2.19	2.18
18.9875	2.18	2.18	2.17	2.17	2.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0500	2.16	2.16	2.16	2.15	2.15
19.1125	2.15	2.14	2.14	2.14	2.13
19.1750	2.13	2.12	2.12	2.12	2.11
19.2375	2.11	2.11	2.10	2.10	2.10
19.3000	2.09	2.09	2.09	2.08	2.08
19.3625	2.08	2.07	2.07	2.07	2.07
19.4250	2.06	2.06	2.06	2.05	2.05
19.4875	2.05	2.04	2.04	2.04	2.04
19.5500	2.03	2.03	2.03	2.02	2.02
19.6125	2.02	2.01	2.01	2.01	2.01
19.6750	2.00	2.00	2.00	1.99	1.99
19.7375	1.99	1.99	1.98	1.98	1.98
19.8000	1.97	1.97	1.97	1.97	1.96
19.8625	1.96	1.96	1.96	1.96	1.95
19.9250	1.95	1.95	1.95	1.94	1.94
19.9875	1.94	1.94	1.94	1.93	1.93
20.0500	1.93	1.93	1.92	1.92	1.92
20.1125	1.91	1.91	1.91	1.91	1.90
20.1750	1.90	1.90	1.89	1.89	1.89
20.2375	1.88	1.88	1.88	1.88	1.87
20.3000	1.87	1.87	1.86	1.86	1.86
20.3625	1.86	1.86	1.85	1.85	1.85
20.4250	1.85	1.84	1.84	1.84	1.84
20.4875	1.83	1.83	1.83	1.83	1.83
20.5500	1.82	1.82	1.82	1.82	1.81
20.6125	1.81	1.81	1.81	1.81	1.80
20.6750	1.80	1.80	1.80	1.79	1.79
20.7375	1.79	1.79	1.79	1.78	1.78
20.8000	1.78	1.78	1.78	1.77	1.77
20.8625	1.77	1.77	1.76	1.76	1.76
20.9250	1.76	1.76	1.75	1.75	1.75
20.9875	1.75	1.75	1.74	1.74	1.74
21.0500	1.74	1.74	1.73	1.73	1.73
21.1125	1.73	1.73	1.72	1.72	1.72
21.1750	1.72	1.72	1.71	1.71	1.71
21.2375	1.71	1.71	1.70	1.70	1.70
21.3000	1.70	1.70	1.69	1.69	1.69
21.3625	1.69	1.68	1.68	1.68	1.68
21.4250	1.68	1.67	1.67	1.67	1.67
21.4875	1.67	1.66	1.66	1.66	1.66
21.5500	1.66	1.65	1.65	1.65	1.65
21.6125	1.65	1.64	1.64	1.64	1.64
21.6750	1.64	1.63	1.63	1.63	1.63
21.7375	1.63	1.63	1.62	1.62	1.62
21.8000	1.62	1.62	1.61	1.61	1.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
21.8625	1.61	1.61	1.61	1.60	1.60
21.9250	1.60	1.60	1.60	1.59	1.59
21.9875	1.59	1.59	1.59	1.58	1.58
22.0500	1.58	1.58	1.57	1.57	1.57
22.1125	1.57	1.57	1.56	1.56	1.56
22.1750	1.56	1.56	1.55	1.55	1.55
22.2375	1.55	1.54	1.54	1.54	1.54
22.3000	1.54	1.53	1.53	1.53	1.53
22.3625	1.53	1.52	1.52	1.52	1.52
22.4250	1.52	1.51	1.51	1.51	1.51
22.4875	1.50	1.50	1.50	1.50	1.50
22.5500	1.49	1.49	1.49	1.49	1.49
22.6125	1.48	1.48	1.48	1.48	1.48
22.6750	1.48	1.47	1.47	1.47	1.47
22.7375	1.47	1.47	1.46	1.46	1.46
22.8000	1.46	1.46	1.45	1.45	1.45
22.8625	1.45	1.45	1.45	1.44	1.44
22.9250	1.44	1.44	1.44	1.43	1.43
22.9875	1.43	1.43	1.43	1.42	1.42
23.0500	1.42	1.42	1.42	1.41	1.41
23.1125	1.41	1.41	1.41	1.40	1.40
23.1750	1.40	1.40	1.40	1.39	1.39
23.2375	1.39	1.39	1.38	1.38	1.38
23.3000	1.38	1.37	1.37	1.37	1.37
23.3625	1.37	1.36	1.36	1.36	1.36
23.4250	1.35	1.35	1.35	1.35	1.35
23.4875	1.34	1.34	1.34	1.34	1.34
23.5500	1.34	1.33	1.33	1.33	1.33
23.6125	1.33	1.32	1.32	1.32	1.32
23.6750	1.32	1.32	1.31	1.31	1.31
23.7375	1.31	1.31	1.30	1.30	1.30
23.8000	1.30	1.30	1.29	1.29	1.29
23.8625	1.29	1.29	1.28	1.28	1.28
23.9250	1.28	1.28	1.27	1.27	1.27
23.9875	1.27	1.27	1.26	1.26	1.26
24.0500	1.26	1.25	1.25	1.24	1.24
24.1125	1.23	1.22	1.21	1.20	1.18
24.1750	1.16	1.14	1.12	1.10	1.07
24.2375	1.04	1.01	.98	.95	.91
24.3000	.87	.84	.80	.77	.73
24.3625	.69	.65	.62	.58	.54
24.4250	.51	.48	.44	.41	.38
24.4875	.35	.32	.29	.26	.23
24.5500	.21	.19	.16	.14	.12
24.6125	.10	.09	.07	.06	.05

Type.... Pond Routed HYG (total out)

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Name.... DB CC-4 OUT Tag: 10

Event: 10 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6750	.04	.03	.02	.01	.01
24.7375	.01	.00	.00	.00	

Name... DB CC-4 OUT Tag: 25

Event: 25 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 25

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB CC-4 IN 25
Outflow HYG file = work_pad.hyg - DB CC-4 OUT 25

Pond Node Data = DB CC-4
Pond Volume Data = DB CC-4
Pond Outlet Data = DB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 243.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 113.93 cfs at 12.1875 hrs
Peak Outflow = 104.87 cfs at 12.2625 hrs

Peak Elevation = 247.53 ft
Peak Storage = 65554 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 448246
- Infiltration = 0
- HYG Vol OUT = 448246
- Retained Vol = 0

Unrouted Vol = 0 cu.ft (.000% of Outflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUT

HYG Tag = 25

 Peak Discharge = 104.87 cfs
 Time to Peak = 12.2625 hrs
 HYG Volume = 448246 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time Output Time increment = .0125 hrs
 hrs Time on left represents time for first value in each row.

10.9500	.00	.07	.33	.68	1.04
11.0125	1.38	1.70	1.99	2.27	2.53
11.0750	2.77	3.00	3.21	3.42	3.62
11.1375	3.81	3.99	4.16	4.32	4.48
11.2000	4.65	4.81	4.98	5.13	5.31
11.2625	5.47	5.64	5.81	5.99	6.16
11.3250	6.34	6.51	6.69	6.86	7.04
11.3875	7.22	7.41	7.58	7.76	7.95
11.4500	8.13	8.32	8.51	8.69	8.89
11.5125	9.07	9.27	9.46	9.66	9.85
11.5750	10.05	10.25	10.46	10.69	10.91
11.6375	11.15	11.39	11.66	11.92	12.22
11.7000	12.54	12.87	13.22	13.59	13.99
11.7625	14.42	16.05	16.35	16.67	17.00
11.8250	17.35	17.72	18.09	18.48	18.89
11.8875	19.30	19.73	20.16	20.61	21.07
11.9500	21.54	22.03	22.62	24.51	27.30
12.0125	30.72	34.64	38.97	43.62	48.54
12.0750	53.66	58.90	64.18	69.43	74.56
12.1375	79.50	84.18	88.53	92.47	95.93
12.2000	98.86	101.22	102.99	104.17	104.78
12.2625	104.87	104.46	103.62	102.41	100.87
12.3250	99.07	97.05	94.87	92.60	90.27
12.3875	87.90	85.52	83.13	80.77	78.42
12.4500	76.11	73.83	71.59	69.39	67.23
12.5125	65.13	63.09	61.08	59.10	57.17
12.5750	55.27	53.42	51.61	49.85	48.13
12.6375	46.47	44.87	43.32	41.82	40.40
12.7000	39.05	37.77	36.55	35.40	34.30
12.7625	33.26	32.27	31.34	30.47	29.64
12.8250	28.87	28.14	27.47	26.83	26.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.8875	25.68	25.17	24.69	24.24	23.84
12.9500	23.47	23.13	22.84	22.60	22.44
13.0125	22.34	22.24	22.14	22.03	21.92
13.0750	21.81	21.70	21.59	21.47	21.36
13.1375	21.24	21.12	20.99	20.87	20.75
13.2000	20.62	20.49	20.37	20.24	20.11
13.2625	19.98	19.85	19.72	19.59	19.46
13.3250	19.33	19.20	19.07	18.94	18.80
13.3875	18.67	18.54	18.41	18.28	18.15
13.4500	18.02	17.89	17.77	17.64	17.51
13.5125	17.38	17.25	17.13	17.00	16.87
13.5750	16.75	16.62	16.50	16.37	16.25
13.6375	16.12	16.00	15.88	14.45	14.33
13.7000	14.20	14.06	13.93	13.81	13.70
13.7625	13.58	13.45	13.35	13.24	13.13
13.8250	13.02	12.92	12.82	12.71	12.62
13.8875	12.52	12.42	12.32	12.23	12.14
13.9500	12.05	11.95	11.87	11.79	11.70
14.0125	11.62	11.54	11.45	11.36	11.29
14.0750	11.21	11.14	11.06	10.99	10.91
14.1375	10.83	10.77	10.70	10.62	10.55
14.2000	10.48	10.41	10.35	10.28	10.22
14.2625	10.16	10.09	10.03	9.97	9.91
14.3250	9.86	9.80	9.74	9.69	9.64
14.3875	9.58	9.52	9.48	9.43	9.38
14.4500	9.33	9.28	9.23	9.18	9.13
14.5125	9.09	9.04	8.99	8.95	8.92
14.5750	8.88	8.83	8.79	8.75	8.70
14.6375	8.66	8.63	8.59	8.56	8.52
14.7000	8.48	8.44	8.40	8.36	8.33
14.7625	8.30	8.26	8.23	8.19	8.15
14.8250	8.12	8.08	8.05	8.02	7.99
14.8875	7.96	7.93	7.90	7.87	7.84
14.9500	7.81	7.77	7.74	7.71	7.68
15.0125	7.65	7.62	7.59	7.56	7.54
15.0750	7.51	7.48	7.46	7.43	7.40
15.1375	7.38	7.34	7.31	7.28	7.26
15.2000	7.23	7.20	7.18	7.15	7.13
15.2625	7.10	7.07	7.04	7.02	6.99
15.3250	6.96	6.93	6.91	6.88	6.86
15.3875	6.84	6.81	6.79	6.76	6.74
15.4500	6.71	6.69	6.66	6.64	6.61
15.5125	6.59	6.56	6.54	6.51	6.49
15.5750	6.47	6.44	6.42	6.39	6.37
15.6375	6.34	6.32	6.29	6.27	6.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
15.7000	6.22	6.20	6.17	6.15	6.12
15.7625	6.10	6.08	6.05	6.03	6.00
15.8250	5.98	5.95	5.93	5.91	5.88
15.8875	5.86	5.83	5.81	5.78	5.76
15.9500	5.74	5.71	5.69	5.67	5.65
16.0125	5.62	5.60	5.58	5.56	5.53
16.0750	5.51	5.48	5.46	5.44	5.41
16.1375	5.39	5.37	5.35	5.33	5.31
16.2000	5.28	5.26	5.23	5.21	5.19
16.2625	5.16	5.14	5.12	5.10	5.09
16.3250	5.07	5.05	5.03	5.01	4.99
16.3875	4.97	4.95	4.93	4.91	4.89
16.4500	4.87	4.86	4.84	4.82	4.80
16.5125	4.79	4.77	4.75	4.73	4.71
16.5750	4.70	4.68	4.67	4.65	4.64
16.6375	4.62	4.61	4.59	4.58	4.56
16.7000	4.54	4.53	4.51	4.49	4.48
16.7625	4.46	4.45	4.44	4.42	4.41
16.8250	4.40	4.38	4.37	4.36	4.34
16.8875	4.33	4.32	4.30	4.29	4.28
16.9500	4.27	4.25	4.24	4.23	4.21
17.0125	4.20	4.19	4.18	4.16	4.15
17.0750	4.14	4.13	4.11	4.10	4.09
17.1375	4.07	4.06	4.05	4.04	4.02
17.2000	4.01	4.00	3.99	3.97	3.96
17.2625	3.95	3.94	3.92	3.91	3.90
17.3250	3.89	3.87	3.86	3.85	3.84
17.3875	3.82	3.81	3.80	3.79	3.78
17.4500	3.76	3.75	3.74	3.73	3.71
17.5125	3.70	3.69	3.68	3.66	3.65
17.5750	3.64	3.63	3.62	3.60	3.59
17.6375	3.58	3.57	3.55	3.54	3.53
17.7000	3.52	3.51	3.49	3.48	3.47
17.7625	3.46	3.45	3.44	3.43	3.42
17.8250	3.41	3.40	3.39	3.37	3.36
17.8875	3.35	3.34	3.32	3.31	3.30
17.9500	3.29	3.28	3.26	3.25	3.24
18.0125	3.23	3.22	3.21	3.20	3.19
18.0750	3.18	3.17	3.15	3.14	3.13
18.1375	3.12	3.11	3.10	3.09	3.08
18.2000	3.07	3.06	3.05	3.03	3.02
18.2625	3.01	3.00	2.99	2.98	2.97
18.3250	2.96	2.95	2.94	2.93	2.92
18.3875	2.92	2.91	2.90	2.89	2.88
18.4500	2.87	2.87	2.86	2.85	2.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.5125	2.83	2.82	2.82	2.81	2.80
18.5750	2.79	2.78	2.77	2.77	2.76
18.6375	2.76	2.75	2.74	2.74	2.73
18.7000	2.73	2.72	2.71	2.71	2.70
18.7625	2.70	2.69	2.69	2.68	2.68
18.8250	2.67	2.67	2.66	2.66	2.65
18.8875	2.65	2.64	2.64	2.63	2.63
18.9500	2.62	2.62	2.61	2.61	2.60
19.0125	2.60	2.60	2.59	2.59	2.58
19.0750	2.58	2.57	2.57	2.56	2.56
19.1375	2.55	2.55	2.54	2.54	2.53
19.2000	2.53	2.53	2.52	2.52	2.51
19.2625	2.51	2.50	2.50	2.50	2.49
19.3250	2.49	2.48	2.48	2.48	2.47
19.3875	2.47	2.46	2.46	2.46	2.45
19.4500	2.45	2.45	2.44	2.44	2.44
19.5125	2.43	2.43	2.43	2.42	2.42
19.5750	2.42	2.41	2.41	2.41	2.40
19.6375	2.40	2.40	2.39	2.39	2.39
19.7000	2.38	2.38	2.38	2.37	2.37
19.7625	2.37	2.36	2.36	2.36	2.35
19.8250	2.35	2.35	2.34	2.34	2.34
19.8875	2.33	2.33	2.33	2.32	2.32
19.9500	2.32	2.31	2.31	2.31	2.31
20.0125	2.30	2.30	2.30	2.29	2.29
20.0750	2.29	2.29	2.28	2.28	2.28
20.1375	2.27	2.27	2.27	2.26	2.26
20.2000	2.26	2.25	2.25	2.25	2.24
20.2625	2.24	2.24	2.23	2.23	2.23
20.3250	2.22	2.22	2.22	2.21	2.21
20.3875	2.21	2.21	2.20	2.20	2.20
20.4500	2.20	2.19	2.19	2.19	2.18
20.5125	2.18	2.18	2.18	2.17	2.17
20.5750	2.17	2.17	2.16	2.16	2.16
20.6375	2.16	2.15	2.15	2.15	2.14
20.7000	2.14	2.14	2.14	2.13	2.13
20.7625	2.13	2.12	2.12	2.12	2.12
20.8250	2.11	2.11	2.11	2.10	2.10
20.8875	2.10	2.10	2.09	2.09	2.09
20.9500	2.09	2.08	2.08	2.08	2.08
21.0125	2.07	2.07	2.07	2.07	2.06
21.0750	2.06	2.06	2.06	2.05	2.05
21.1375	2.05	2.05	2.04	2.04	2.04
21.2000	2.04	2.03	2.03	2.03	2.03
21.2625	2.02	2.02	2.02	2.02	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3250	2.01	2.01	2.01	2.00	2.00
21.3875	2.00	2.00	1.99	1.99	1.99
21.4500	1.99	1.98	1.98	1.98	1.98
21.5125	1.97	1.97	1.97	1.97	1.97
21.5750	1.96	1.96	1.96	1.96	1.96
21.6375	1.95	1.95	1.95	1.95	1.95
21.7000	1.94	1.94	1.94	1.94	1.94
21.7625	1.93	1.93	1.93	1.93	1.93
21.8250	1.92	1.92	1.92	1.91	1.91
21.8875	1.91	1.91	1.90	1.90	1.90
21.9500	1.90	1.89	1.89	1.89	1.89
22.0125	1.88	1.88	1.88	1.88	1.87
22.0750	1.87	1.87	1.87	1.86	1.86
22.1375	1.86	1.86	1.85	1.85	1.85
22.2000	1.85	1.84	1.84	1.84	1.84
22.2625	1.83	1.83	1.83	1.83	1.83
22.3250	1.82	1.82	1.82	1.82	1.81
22.3875	1.81	1.81	1.81	1.80	1.80
22.4500	1.80	1.80	1.79	1.79	1.79
22.5125	1.79	1.78	1.78	1.78	1.78
22.5750	1.78	1.77	1.77	1.77	1.77
22.6375	1.76	1.76	1.76	1.76	1.75
22.7000	1.75	1.75	1.75	1.75	1.74
22.7625	1.74	1.74	1.74	1.73	1.73
22.8250	1.73	1.73	1.72	1.72	1.72
22.8875	1.72	1.71	1.71	1.71	1.71
22.9500	1.70	1.70	1.70	1.70	1.70
23.0125	1.69	1.69	1.69	1.69	1.68
23.0750	1.68	1.68	1.68	1.67	1.67
23.1375	1.67	1.67	1.66	1.66	1.66
23.2000	1.66	1.65	1.65	1.65	1.65
23.2625	1.64	1.64	1.64	1.64	1.64
23.3250	1.63	1.63	1.63	1.63	1.62
23.3875	1.62	1.62	1.62	1.62	1.61
23.4500	1.61	1.61	1.61	1.61	1.60
23.5125	1.60	1.60	1.60	1.59	1.59
23.5750	1.59	1.59	1.58	1.58	1.58
23.6375	1.58	1.57	1.57	1.57	1.57
23.7000	1.56	1.56	1.56	1.56	1.55
23.7625	1.55	1.55	1.55	1.54	1.54
23.8250	1.54	1.54	1.53	1.53	1.53
23.8875	1.53	1.52	1.52	1.52	1.52
23.9500	1.51	1.51	1.51	1.51	1.50
24.0125	1.50	1.50	1.49	1.49	1.49
24.0750	1.48	1.48	1.47	1.46	1.46

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.1375	1.44	1.43	1.41	1.40	1.37
24.2000	1.34	1.32	1.29	1.26	1.22
24.2625	1.19	1.15	1.12	1.07	1.03
24.3250	.99	.95	.91	.86	.82
24.3875	.78	.74	.70	.66	.62
24.4500	.58	.54	.51	.47	.43
24.5125	.40	.37	.34	.30	.28
24.5750	.25	.22	.20	.17	.15
24.6375	.13	.11	.09	.08	.06
24.7000	.05	.04	.03	.02	.01
24.7625	.01	.01	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB CC-4 IN 50
Outflow HYG file = work_pad.hyg - DB CC-4 OUT 50

Pond Node Data = DB CC-4
Pond Volume Data = DB CC-4
Pond Outlet Data = DB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 243.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 123.20 cfs at 12.1875 hrs
Peak Outflow = 114.27 cfs at 12.2500 hrs

Peak Elevation = 247.65 ft
Peak Storage = 67835 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 494170
- Infiltration = 0
- HYG Vol OUT = 494170
- Retained Vol = 0

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUT

HYG Tag = 50

Peak Discharge = 114.27 cfs
Time to Peak = 12.2500 hrs
HYG Volume = 494170 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.7000	.00	.26	.61	.96	1.29
10.7625	1.61	1.91	2.19	2.44	2.69
10.8250	2.91	3.12	3.33	3.51	3.70
10.8875	3.88	4.05	4.21	4.36	4.51
10.9500	4.66	4.82	4.97	5.11	5.26
11.0125	5.41	5.56	5.70	5.85	6.00
11.0750	6.14	6.28	6.43	6.56	6.70
11.1375	6.84	6.97	7.12	7.25	7.40
11.2000	7.53	7.66	7.81	7.95	8.08
11.2625	8.24	8.37	8.52	8.66	8.81
11.3250	8.95	9.10	9.26	9.41	9.56
11.3875	9.71	9.87	10.02	10.18	10.34
11.4500	10.50	10.67	10.83	11.01	11.17
11.5125	11.34	11.52	11.68	11.87	12.04
11.5750	12.23	12.42	12.62	12.82	13.03
11.6375	13.26	13.49	13.75	14.02	14.31
11.7000	15.79	16.07	16.28	16.51	16.76
11.7625	17.02	17.31	17.61	17.93	18.27
11.8250	18.63	18.99	19.38	19.77	20.18
11.8875	20.60	21.03	21.47	21.93	22.40
11.9500	23.70	25.98	28.83	32.14	35.83
12.0125	39.84	44.15	48.72	53.53	58.56
12.0750	63.73	68.98	74.26	79.50	84.62
12.1375	89.57	94.26	98.62	102.56	106.00
12.2000	108.87	111.15	112.80	113.82	114.27
12.2625	114.17	113.57	112.52	111.08	109.31
12.3250	107.26	104.98	102.54	99.98	97.37
12.3875	94.75	92.13	89.53	86.95	84.40
12.4500	81.88	79.40	76.97	74.58	72.23
12.5125	69.93	67.68	65.49	63.35	61.26
12.5750	59.22	57.21	55.26	53.36	51.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6375	49.71	47.98	46.30	44.68	43.13
12.7000	41.65	40.25	38.92	37.67	36.48
12.7625	35.36	34.30	33.29	32.34	31.45
12.8250	30.61	29.82	29.08	28.38	27.73
12.8875	27.12	26.55	26.01	25.51	25.04
12.9500	24.60	24.19	23.82	23.48	23.16
13.0125	22.89	22.65	22.47	22.37	22.28
13.0750	22.18	22.09	21.99	21.88	21.78
13.1375	21.67	21.57	21.46	21.35	21.23
13.2000	21.12	21.00	20.89	20.77	20.65
13.2625	20.54	20.42	20.30	20.18	20.06
13.3250	19.94	19.82	19.69	19.57	19.45
13.3875	19.33	19.21	19.09	18.97	18.85
13.4500	18.73	18.61	18.49	18.37	18.25
13.5125	18.13	18.01	17.89	17.77	17.65
13.5750	17.53	17.41	17.30	17.18	17.06
13.6375	16.95	16.83	16.71	16.60	16.48
13.7000	16.37	16.25	16.14	16.03	15.91
13.7625	14.73	14.38	14.27	14.15	14.02
13.8250	13.90	13.80	13.70	13.59	13.47
13.8875	13.38	13.29	13.18	13.08	12.98
13.9500	12.89	12.80	12.70	12.62	12.53
14.0125	12.44	12.34	12.26	12.19	12.10
14.0750	12.00	11.92	11.85	11.77	11.69
14.1375	11.61	11.54	11.46	11.38	11.31
14.2000	11.24	11.17	11.10	11.03	10.96
14.2625	10.89	10.82	10.76	10.70	10.63
14.3250	10.57	10.51	10.45	10.39	10.33
14.3875	10.28	10.22	10.17	10.11	10.06
14.4500	10.00	9.95	9.90	9.85	9.80
14.5125	9.75	9.71	9.67	9.62	9.57
14.5750	9.52	9.48	9.44	9.40	9.35
14.6375	9.31	9.27	9.22	9.18	9.14
14.7000	9.10	9.06	9.02	8.98	8.95
14.7625	8.91	8.88	8.84	8.80	8.76
14.8250	8.73	8.69	8.66	8.62	8.59
14.8875	8.56	8.52	8.49	8.45	8.42
14.9500	8.38	8.35	8.32	8.29	8.26
15.0125	8.23	8.19	8.16	8.13	8.09
15.0750	8.06	8.03	8.01	7.98	7.95
15.1375	7.92	7.89	7.87	7.83	7.80
15.2000	7.77	7.74	7.71	7.68	7.65
15.2625	7.62	7.59	7.57	7.54	7.51
15.3250	7.49	7.46	7.44	7.41	7.38
15.3875	7.35	7.32	7.29	7.26	7.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4500	7.21	7.19	7.16	7.13	7.11
15.5125	7.08	7.05	7.02	6.99	6.96
15.5750	6.94	6.91	6.89	6.86	6.84
15.6375	6.81	6.79	6.76	6.74	6.71
15.7000	6.68	6.66	6.63	6.61	6.58
15.7625	6.56	6.53	6.51	6.48	6.45
15.8250	6.43	6.40	6.38	6.35	6.33
15.8875	6.30	6.28	6.25	6.22	6.20
15.9500	6.17	6.15	6.12	6.10	6.07
16.0125	6.04	6.02	5.99	5.97	5.94
16.0750	5.92	5.89	5.87	5.84	5.81
16.1375	5.79	5.76	5.74	5.71	5.69
16.2000	5.67	5.64	5.62	5.60	5.58
16.2625	5.56	5.53	5.51	5.48	5.46
16.3250	5.44	5.41	5.39	5.38	5.36
16.3875	5.34	5.32	5.29	5.27	5.25
16.4500	5.23	5.21	5.19	5.17	5.15
16.5125	5.13	5.11	5.10	5.08	5.06
16.5750	5.05	5.03	5.02	5.00	4.98
16.6375	4.96	4.95	4.93	4.91	4.89
16.7000	4.88	4.86	4.85	4.83	4.82
16.7625	4.80	4.78	4.77	4.75	4.73
16.8250	4.72	4.71	4.69	4.68	4.66
16.8875	4.65	4.64	4.62	4.61	4.60
16.9500	4.58	4.57	4.55	4.54	4.52
17.0125	4.51	4.49	4.48	4.46	4.45
17.0750	4.44	4.43	4.41	4.40	4.39
17.1375	4.38	4.36	4.35	4.34	4.33
17.2000	4.32	4.30	4.29	4.28	4.27
17.2625	4.25	4.24	4.23	4.22	4.20
17.3250	4.19	4.18	4.17	4.15	4.14
17.3875	4.13	4.12	4.11	4.09	4.08
17.4500	4.07	4.06	4.04	4.03	4.02
17.5125	4.01	3.99	3.98	3.97	3.95
17.5750	3.94	3.93	3.92	3.90	3.89
17.6375	3.88	3.87	3.85	3.84	3.83
17.7000	3.82	3.80	3.79	3.78	3.77
17.7625	3.75	3.74	3.73	3.72	3.70
17.8250	3.69	3.68	3.66	3.65	3.64
17.8875	3.63	3.61	3.60	3.59	3.58
17.9500	3.56	3.55	3.54	3.52	3.51
18.0125	3.50	3.49	3.47	3.46	3.45
18.0750	3.44	3.43	3.42	3.41	3.40
18.1375	3.39	3.37	3.36	3.35	3.33
18.2000	3.32	3.31	3.30	3.28	3.27

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2625	3.26	3.25	3.24	3.23	3.22
18.3250	3.21	3.20	3.19	3.18	3.17
18.3875	3.16	3.15	3.14	3.13	3.12
18.4500	3.11	3.10	3.09	3.09	3.08
18.5125	3.07	3.06	3.06	3.05	3.04
18.5750	3.03	3.02	3.01	3.00	3.00
18.6375	2.99	2.98	2.97	2.97	2.96
18.7000	2.95	2.95	2.94	2.94	2.93
18.7625	2.92	2.92	2.91	2.91	2.90
18.8250	2.90	2.89	2.88	2.88	2.87
18.8875	2.87	2.86	2.86	2.85	2.85
18.9500	2.84	2.83	2.83	2.82	2.82
19.0125	2.81	2.80	2.80	2.79	2.79
19.0750	2.78	2.78	2.77	2.77	2.76
19.1375	2.76	2.75	2.75	2.75	2.74
19.2000	2.74	2.73	2.73	2.73	2.72
19.2625	2.72	2.71	2.71	2.71	2.70
19.3250	2.70	2.69	2.69	2.69	2.68
19.3875	2.68	2.67	2.67	2.67	2.66
19.4500	2.66	2.65	2.65	2.65	2.64
19.5125	2.64	2.63	2.63	2.63	2.62
19.5750	2.62	2.62	2.61	2.61	2.60
19.6375	2.60	2.60	2.59	2.59	2.59
19.7000	2.58	2.58	2.57	2.57	2.56
19.7625	2.56	2.56	2.55	2.55	2.54
19.8250	2.54	2.54	2.53	2.53	2.53
19.8875	2.52	2.52	2.51	2.51	2.51
19.9500	2.50	2.50	2.49	2.49	2.49
20.0125	2.48	2.48	2.48	2.47	2.47
20.0750	2.46	2.46	2.46	2.45	2.45
20.1375	2.45	2.44	2.44	2.44	2.43
20.2000	2.43	2.43	2.42	2.42	2.42
20.2625	2.41	2.41	2.41	2.40	2.40
20.3250	2.40	2.39	2.39	2.39	2.39
20.3875	2.38	2.38	2.38	2.37	2.37
20.4500	2.37	2.36	2.36	2.36	2.36
20.5125	2.35	2.35	2.35	2.34	2.34
20.5750	2.34	2.33	2.33	2.33	2.33
20.6375	2.32	2.32	2.32	2.32	2.31
20.7000	2.31	2.31	2.31	2.30	2.30
20.7625	2.30	2.30	2.29	2.29	2.29
20.8250	2.28	2.28	2.28	2.28	2.27
20.8875	2.27	2.27	2.27	2.26	2.26
20.9500	2.26	2.25	2.25	2.25	2.25
21.0125	2.24	2.24	2.24	2.23	2.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0750	2.23	2.23	2.22	2.22	2.22
21.1375	2.22	2.21	2.21	2.21	2.21
21.2000	2.20	2.20	2.20	2.20	2.19
21.2625	2.19	2.19	2.19	2.18	2.18
21.3250	2.18	2.18	2.17	2.17	2.17
21.3875	2.17	2.16	2.16	2.16	2.16
21.4500	2.15	2.15	2.15	2.14	2.14
21.5125	2.14	2.14	2.13	2.13	2.13
21.5750	2.12	2.12	2.12	2.12	2.11
21.6375	2.11	2.11	2.10	2.10	2.10
21.7000	2.10	2.09	2.09	2.09	2.09
21.7625	2.08	2.08	2.08	2.07	2.07
21.8250	2.07	2.07	2.06	2.06	2.06
21.8875	2.06	2.05	2.05	2.05	2.05
21.9500	2.04	2.04	2.04	2.04	2.03
22.0125	2.03	2.03	2.03	2.02	2.02
22.0750	2.02	2.01	2.01	2.01	2.01
22.1375	2.00	2.00	2.00	2.00	1.99
22.2000	1.99	1.99	1.99	1.98	1.98
22.2625	1.98	1.98	1.97	1.97	1.97
22.3250	1.97	1.96	1.96	1.96	1.96
22.3875	1.96	1.95	1.95	1.95	1.95
22.4500	1.94	1.94	1.94	1.94	1.94
22.5125	1.93	1.93	1.93	1.93	1.92
22.5750	1.92	1.92	1.92	1.91	1.91
22.6375	1.91	1.90	1.90	1.90	1.90
22.7000	1.89	1.89	1.89	1.88	1.88
22.7625	1.88	1.88	1.87	1.87	1.87
22.8250	1.87	1.86	1.86	1.86	1.86
22.8875	1.85	1.85	1.85	1.85	1.84
22.9500	1.84	1.84	1.84	1.83	1.83
23.0125	1.83	1.83	1.82	1.82	1.82
23.0750	1.82	1.81	1.81	1.81	1.81
23.1375	1.80	1.80	1.80	1.79	1.79
23.2000	1.79	1.79	1.78	1.78	1.78
23.2625	1.78	1.77	1.77	1.77	1.77
23.3250	1.76	1.76	1.76	1.76	1.75
23.3875	1.75	1.75	1.75	1.74	1.74
23.4500	1.74	1.74	1.73	1.73	1.73
23.5125	1.73	1.72	1.72	1.72	1.72
23.5750	1.71	1.71	1.71	1.71	1.70
23.6375	1.70	1.70	1.69	1.69	1.69
23.7000	1.69	1.68	1.68	1.68	1.68
23.7625	1.67	1.67	1.67	1.67	1.66
23.8250	1.66	1.66	1.66	1.65	1.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.8875	1.65	1.65	1.64	1.64	1.64
23.9500	1.64	1.63	1.63	1.63	1.63
24.0125	1.62	1.62	1.62	1.62	1.61
24.0750	1.61	1.60	1.60	1.59	1.58
24.1375	1.56	1.55	1.53	1.51	1.48
24.2000	1.46	1.43	1.40	1.37	1.33
24.2625	1.29	1.25	1.21	1.17	1.13
24.3250	1.09	1.04	1.00	.96	.91
24.3875	.87	.82	.78	.74	.70
24.4500	.66	.62	.58	.53	.50
24.5125	.46	.43	.39	.36	.33
24.5750	.30	.27	.24	.21	.19
24.6375	.16	.14	.12	.10	.08
24.7000	.07	.05	.04	.03	.02
24.7625	.02	.01	.01	.00	

Name... DB CC-4 OUT Tag: 100

Event: 100 yr

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 100

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - DB CC-4 IN 100
Outflow HYG file = work_pad.hyg - DB CC-4 OUT 100

Pond Node Data = DB CC-4
Pond Volume Data = DB CC-4
Pond Outlet Data = DB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 243.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 132.41 cfs at 12.1875 hrs
Peak Outflow = 123.54 cfs at 12.2500 hrs

Peak Elevation = 247.76 ft
Peak Storage = 70026 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 540138
- Infiltration = 0
- HYG Vol OUT = 540139
- Retained Vol = 0

Unrouted Vol = 1 cu.ft (.000% of Outflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUT

HYG Tag = 100

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-----
Peak Discharge =            123.54 cfs
Time to Peak    =            12.2500 hrs
HYG Volume      =            540139 cu.ft
-----

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HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

10.4500	.00	.24	.57	.91	1.24
10.5125	1.56	1.85	2.12	2.37	2.62
10.5750	2.84	3.05	3.24	3.43	3.61
10.6375	3.79	3.95	4.11	4.25	4.40
10.7000	4.55	4.69	4.84	4.99	5.12
10.7625	5.27	5.41	5.55	5.69	5.83
10.8250	5.97	6.11	6.25	6.39	6.52
10.8875	6.65	6.78	6.91	7.05	7.17
10.9500	7.30	7.43	7.55	7.67	7.80
11.0125	7.92	8.03	8.15	8.28	8.39
11.0750	8.51	8.62	8.73	8.85	8.96
11.1375	9.07	9.18	9.30	9.42	9.52
11.2000	9.65	9.75	9.86	9.98	10.10
11.2625	10.22	10.34	10.46	10.59	10.73
11.3250	10.84	10.98	11.11	11.25	11.38
11.3875	11.53	11.67	11.82	11.95	12.11
11.4500	12.25	12.41	12.57	12.72	12.88
11.5125	13.04	13.20	13.37	13.53	13.71
11.5750	13.88	14.08	14.28	14.47	15.92
11.6375	16.04	16.18	16.33	16.49	16.66
11.7000	16.85	17.05	17.27	17.51	17.77
11.7625	18.05	18.34	18.66	18.99	19.33
11.8250	19.70	20.07	20.47	20.87	21.29
11.8875	21.72	22.16	22.82	24.56	26.95
11.9500	29.78	32.95	36.40	40.11	44.06
12.0125	48.24	52.66	57.34	62.24	67.33
12.0750	72.56	77.87	83.21	88.55	93.79
12.1375	98.85	103.65	108.08	112.08	115.55
12.2000	118.43	120.69	122.29	123.22	123.54
12.2625	123.27	122.47	121.21	119.56	117.57
12.3250	115.29	112.78	110.10	107.30	104.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3875	101.56	98.68	95.84	93.05	90.30
12.4500	87.59	84.92	82.30	79.72	77.20
12.5125	74.72	72.29	69.91	67.58	65.33
12.5750	63.13	60.98	58.89	56.85	54.86
12.6375	52.94	51.07	49.27	47.53	45.87
12.7000	44.27	42.75	41.31	39.94	38.66
12.7625	37.46	36.31	35.24	34.22	33.27
12.8250	32.36	31.52	30.72	29.97	29.26
12.8875	28.60	27.97	27.38	26.83	26.32
12.9500	25.83	25.37	24.94	24.54	24.17
13.0125	23.82	23.50	23.21	22.94	22.71
13.0750	22.52	22.41	22.32	22.23	22.14
13.1375	22.05	21.95	21.86	21.76	21.66
13.2000	21.55	21.45	21.35	21.24	21.13
13.2625	21.03	20.92	20.81	20.70	20.59
13.3250	20.48	20.37	20.26	20.15	20.04
13.3875	19.92	19.81	19.70	19.59	19.48
13.4500	19.37	19.25	19.14	19.03	18.92
13.5125	18.81	18.70	18.59	18.48	18.37
13.5750	18.25	18.14	18.03	17.92	17.81
13.6375	17.70	17.60	17.49	17.38	17.27
13.7000	17.16	17.05	16.94	16.83	16.73
13.7625	16.62	16.51	16.41	16.30	16.19
13.8250	16.09	15.98	15.86	14.46	14.36
13.8875	14.26	14.14	14.03	13.92	13.82
13.9500	13.73	13.63	13.52	13.42	13.35
14.0125	13.25	13.15	13.06	12.97	12.89
14.0750	12.80	12.71	12.63	12.55	12.46
14.1375	12.38	12.29	12.22	12.15	12.06
14.2000	11.98	11.91	11.85	11.77	11.69
14.2625	11.62	11.56	11.49	11.41	11.34
14.3250	11.28	11.22	11.16	11.10	11.04
14.3875	10.98	10.91	10.85	10.79	10.75
14.4500	10.69	10.63	10.57	10.52	10.47
14.5125	10.42	10.37	10.32	10.27	10.22
14.5750	10.17	10.12	10.08	10.03	9.99
14.6375	9.94	9.90	9.85	9.81	9.76
14.7000	9.72	9.69	9.65	9.61	9.56
14.7625	9.52	9.48	9.45	9.41	9.37
14.8250	9.33	9.29	9.26	9.22	9.18
14.8875	9.14	9.10	9.07	9.03	9.00
14.9500	8.96	8.93	8.90	8.87	8.83
15.0125	8.80	8.76	8.73	8.69	8.66
15.0750	8.63	8.60	8.57	8.54	8.50
15.1375	8.47	8.43	8.40	8.37	8.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2000	8.31	8.28	8.25	8.22	8.19
15.2625	8.15	8.12	8.09	8.06	8.03
15.3250	8.00	7.98	7.95	7.92	7.89
15.3875	7.86	7.83	7.80	7.77	7.74
15.4500	7.71	7.68	7.65	7.62	7.59
15.5125	7.57	7.54	7.51	7.49	7.46
15.5750	7.43	7.40	7.38	7.35	7.32
15.6375	7.28	7.26	7.23	7.20	7.18
15.7000	7.15	7.12	7.10	7.07	7.03
15.7625	7.00	6.97	6.95	6.92	6.89
15.8250	6.87	6.84	6.81	6.79	6.76
15.8875	6.73	6.71	6.68	6.65	6.63
15.9500	6.60	6.57	6.55	6.52	6.49
16.0125	6.47	6.44	6.41	6.38	6.36
16.0750	6.33	6.30	6.28	6.25	6.22
16.1375	6.20	6.17	6.14	6.12	6.09
16.2000	6.06	6.04	6.01	5.99	5.96
16.2625	5.94	5.91	5.88	5.86	5.84
16.3250	5.81	5.79	5.76	5.74	5.72
16.3875	5.69	5.67	5.65	5.63	5.61
16.4500	5.60	5.57	5.55	5.53	5.51
16.5125	5.49	5.47	5.45	5.43	5.41
16.5750	5.39	5.37	5.36	5.34	5.32
16.6375	5.30	5.28	5.26	5.24	5.23
16.7000	5.21	5.19	5.17	5.15	5.14
16.7625	5.12	5.11	5.09	5.08	5.06
16.8250	5.05	5.03	5.02	5.01	4.99
16.8875	4.97	4.96	4.94	4.92	4.91
16.9500	4.89	4.88	4.87	4.85	4.84
17.0125	4.82	4.81	4.79	4.78	4.76
17.0750	4.75	4.73	4.72	4.70	4.69
17.1375	4.68	4.67	4.65	4.64	4.63
17.2000	4.61	4.60	4.59	4.58	4.56
17.2625	4.55	4.53	4.52	4.50	4.49
17.3250	4.47	4.46	4.45	4.44	4.42
17.3875	4.41	4.40	4.39	4.37	4.36
17.4500	4.35	4.34	4.33	4.31	4.30
17.5125	4.29	4.28	4.26	4.25	4.24
17.5750	4.23	4.21	4.20	4.19	4.18
17.6375	4.16	4.15	4.14	4.13	4.11
17.7000	4.10	4.09	4.08	4.06	4.05
17.7625	4.04	4.02	4.01	4.00	3.99
17.8250	3.97	3.96	3.95	3.93	3.92
17.8875	3.91	3.89	3.88	3.87	3.86
17.9500	3.84	3.83	3.82	3.80	3.79

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0125	3.78	3.76	3.75	3.74	3.72
18.0750	3.71	3.70	3.68	3.67	3.66
18.1375	3.64	3.63	3.62	3.60	3.59
18.2000	3.58	3.57	3.55	3.54	3.53
18.2625	3.51	3.50	3.49	3.48	3.47
18.3250	3.46	3.45	3.44	3.43	3.42
18.3875	3.41	3.40	3.39	3.38	3.37
18.4500	3.36	3.35	3.34	3.33	3.32
18.5125	3.31	3.30	3.29	3.28	3.27
18.5750	3.26	3.25	3.24	3.24	3.23
18.6375	3.22	3.22	3.21	3.20	3.20
18.7000	3.19	3.18	3.17	3.16	3.16
18.7625	3.15	3.14	3.13	3.13	3.12
18.8250	3.11	3.11	3.10	3.10	3.09
18.8875	3.09	3.08	3.07	3.07	3.06
18.9500	3.06	3.05	3.05	3.04	3.03
19.0125	3.03	3.02	3.01	3.01	3.00
19.0750	3.00	2.99	2.99	2.98	2.97
19.1375	2.97	2.97	2.96	2.96	2.95
19.2000	2.95	2.94	2.94	2.93	2.93
19.2625	2.93	2.92	2.92	2.91	2.91
19.3250	2.90	2.90	2.90	2.89	2.89
19.3875	2.88	2.88	2.87	2.87	2.87
19.4500	2.86	2.86	2.85	2.85	2.84
19.5125	2.84	2.83	2.83	2.82	2.82
19.5750	2.81	2.81	2.80	2.80	2.79
19.6375	2.79	2.79	2.78	2.78	2.77
19.7000	2.77	2.76	2.76	2.76	2.75
19.7625	2.75	2.75	2.74	2.74	2.74
19.8250	2.73	2.73	2.72	2.72	2.72
19.8875	2.71	2.71	2.71	2.70	2.70
19.9500	2.69	2.69	2.69	2.68	2.68
20.0125	2.68	2.67	2.67	2.66	2.66
20.0750	2.66	2.65	2.65	2.65	2.64
20.1375	2.64	2.63	2.63	2.63	2.62
20.2000	2.62	2.62	2.61	2.61	2.61
20.2625	2.60	2.60	2.59	2.59	2.59
20.3250	2.58	2.58	2.58	2.57	2.57
20.3875	2.56	2.56	2.56	2.55	2.55
20.4500	2.55	2.54	2.54	2.54	2.53
20.5125	2.53	2.52	2.52	2.52	2.51
20.5750	2.51	2.51	2.50	2.50	2.50
20.6375	2.49	2.49	2.49	2.48	2.48
20.7000	2.48	2.47	2.47	2.47	2.46
20.7625	2.46	2.46	2.45	2.45	2.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8250	2.45	2.44	2.44	2.44	2.43
20.8875	2.43	2.43	2.43	2.42	2.42
20.9500	2.42	2.41	2.41	2.41	2.41
21.0125	2.40	2.40	2.40	2.40	2.39
21.0750	2.39	2.39	2.38	2.38	2.38
21.1375	2.38	2.37	2.37	2.37	2.37
21.2000	2.36	2.36	2.36	2.35	2.35
21.2625	2.35	2.35	2.34	2.34	2.34
21.3250	2.34	2.33	2.33	2.33	2.32
21.3875	2.32	2.32	2.32	2.31	2.31
21.4500	2.31	2.31	2.30	2.30	2.30
21.5125	2.30	2.29	2.29	2.29	2.29
21.5750	2.28	2.28	2.28	2.28	2.27
21.6375	2.27	2.27	2.26	2.26	2.26
21.7000	2.26	2.25	2.25	2.25	2.24
21.7625	2.24	2.24	2.23	2.23	2.23
21.8250	2.23	2.22	2.22	2.22	2.21
21.8875	2.21	2.21	2.21	2.20	2.20
21.9500	2.20	2.20	2.19	2.19	2.19
22.0125	2.19	2.18	2.18	2.18	2.18
22.0750	2.17	2.17	2.17	2.17	2.16
22.1375	2.16	2.16	2.16	2.15	2.15
22.2000	2.15	2.14	2.14	2.14	2.13
22.2625	2.13	2.13	2.12	2.12	2.12
22.3250	2.12	2.11	2.11	2.11	2.10
22.3875	2.10	2.10	2.10	2.09	2.09
22.4500	2.09	2.08	2.08	2.08	2.07
22.5125	2.07	2.07	2.07	2.06	2.06
22.5750	2.06	2.05	2.05	2.05	2.05
22.6375	2.04	2.04	2.04	2.03	2.03
22.7000	2.03	2.03	2.02	2.02	2.02
22.7625	2.02	2.01	2.01	2.01	2.00
22.8250	2.00	2.00	2.00	1.99	1.99
22.8875	1.99	1.98	1.98	1.98	1.98
22.9500	1.97	1.97	1.97	1.97	1.96
23.0125	1.96	1.96	1.96	1.95	1.95
23.0750	1.95	1.95	1.95	1.94	1.94
23.1375	1.94	1.94	1.93	1.93	1.93
23.2000	1.93	1.92	1.92	1.92	1.91
23.2625	1.91	1.91	1.90	1.90	1.90
23.3250	1.90	1.89	1.89	1.89	1.88
23.3875	1.88	1.88	1.87	1.87	1.87
23.4500	1.87	1.86	1.86	1.86	1.85
23.5125	1.85	1.85	1.85	1.84	1.84
23.5750	1.84	1.84	1.83	1.83	1.83

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6375	1.83	1.82	1.82	1.82	1.82
23.7000	1.81	1.81	1.81	1.80	1.80
23.7625	1.80	1.80	1.79	1.79	1.79
23.8250	1.78	1.78	1.78	1.78	1.77
23.8875	1.77	1.77	1.77	1.76	1.76
23.9500	1.76	1.75	1.75	1.75	1.75
24.0125	1.74	1.74	1.74	1.73	1.73
24.0750	1.72	1.72	1.71	1.70	1.69
24.1375	1.68	1.66	1.64	1.62	1.60
24.2000	1.57	1.54	1.51	1.48	1.44
24.2625	1.40	1.36	1.32	1.28	1.23
24.3250	1.19	1.14	1.10	1.05	1.00
24.3875	.96	.91	.86	.82	.78
24.4500	.73	.69	.65	.61	.56
24.5125	.53	.49	.45	.41	.38
24.5750	.35	.31	.28	.25	.23
24.6375	.20	.18	.15	.13	.11
24.7000	.09	.08	.06	.05	.04
24.7625	.03	.02	.01	.01	.00

Type... Outlet Input Data
Name... DB CC-4 Outlet

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 243.00 ft
Increment = .01 ft
Max. Elev.= 250.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.	Outfall	E1, ft	E2, ft
-----	----	-----	-----	-----
Orifice-Circular	O1	---> TW	243.000	250.000
Weir-Rectangular	W1	---> TW	246.000	250.000
TW SETUP, DS Channel				

OUTLET STRUCTURE INPUT DATA

Structure ID = 01
Structure Type = Orifice-Circular

of Openings = 1
Invert Elev. = 243.00 ft
Diameter = 24.00 in
Orifice Coeff. = .630

Structure ID = W1
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 246.00 ft
Weir Length = 12.00 ft
Weir Coeff. = 3.300000

Weir TW effects (Use adjustment equation)

Structure ID = TW
Structure Type = TW SETUP, DS Channel

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...
Maximum Iterations= 40
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .00 cfs
Max. Q tolerance = .00 cfs

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUTLET

HYG Tag = 2

 Peak Discharge = 25.18 cfs
 Time to Peak = 12.5375 hrs
 HYG Volume = 174573 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
12.0875	.00	.09	.99	2.29	3.58
12.1500	4.77	6.06	7.45	8.90	10.36
12.2125	11.83	13.25	15.79	16.70	17.45
12.2750	18.12	18.73	19.28	19.78	20.22
12.3375	20.63	20.99	21.31	21.61	21.87
12.4000	22.11	22.32	22.54	22.96	23.43
12.4625	23.88	24.28	24.60	24.86	25.04
12.5250	25.15	25.18	25.14	25.04	24.88
12.5875	24.67	24.43	24.16	23.87	23.56
12.6500	23.26	22.96	22.69	22.48	22.36
12.7125	22.24	22.12	21.99	21.85	21.71
12.7750	21.57	21.42	21.26	21.10	20.94
12.8375	20.78	20.61	20.45	20.28	20.11
12.9000	19.93	19.76	19.58	19.41	19.23
12.9625	19.05	18.86	18.68	18.50	18.31
13.0250	18.12	17.93	17.75	17.55	17.36
13.0875	17.17	16.98	16.79	16.59	16.40
13.1500	16.20	16.01	14.94	14.29	14.04
13.2125	13.80	13.58	13.36	13.14	12.94
13.2750	12.73	12.54	12.33	12.16	11.95
13.3375	11.79	11.61	11.44	11.27	11.12
13.4000	10.96	10.80	10.66	10.51	10.37
13.4625	10.23	10.10	9.97	9.85	9.72
13.5250	9.61	9.49	9.38	9.27	9.16
13.5875	9.05	8.95	8.85	8.75	8.66
13.6500	8.57	8.48	8.38	8.30	8.22
13.7125	8.13	8.04	7.97	7.90	7.82
13.7750	7.74	7.66	7.60	7.53	7.47
13.8375	7.40	7.34	7.27	7.21	7.15
13.9000	7.09	7.02	6.96	6.90	6.85
13.9625	6.80	6.74	6.69	6.64	6.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0250	6.54	6.49	6.44	6.39	6.34
14.0875	6.30	6.25	6.20	6.16	6.11
14.1500	6.07	6.02	5.98	5.94	5.90
14.2125	5.86	5.81	5.77	5.73	5.69
14.2750	5.66	5.63	5.60	5.56	5.52
14.3375	5.49	5.45	5.42	5.39	5.36
14.4000	5.33	5.30	5.26	5.23	5.20
14.4625	5.17	5.14	5.11	5.09	5.06
14.5250	5.04	5.01	4.99	4.96	4.93
14.5875	4.91	4.88	4.86	4.84	4.82
14.6500	4.79	4.76	4.74	4.72	4.69
14.7125	4.67	4.65	4.63	4.61	4.59
14.7750	4.57	4.55	4.53	4.51	4.48
14.8375	4.46	4.45	4.43	4.41	4.39
14.9000	4.37	4.36	4.34	4.32	4.30
14.9625	4.29	4.27	4.25	4.23	4.22
15.0250	4.20	4.18	4.17	4.15	4.13
15.0875	4.11	4.10	4.08	4.06	4.05
15.1500	4.03	4.01	4.00	3.98	3.96
15.2125	3.95	3.93	3.91	3.90	3.88
15.2750	3.86	3.85	3.83	3.81	3.80
15.3375	3.78	3.76	3.75	3.73	3.72
15.4000	3.70	3.68	3.67	3.65	3.63
15.4625	3.62	3.60	3.59	3.57	3.55
15.5250	3.54	3.52	3.51	3.49	3.48
15.5875	3.46	3.45	3.44	3.42	3.41
15.6500	3.39	3.38	3.36	3.35	3.33
15.7125	3.31	3.30	3.28	3.27	3.25
15.7750	3.24	3.23	3.21	3.20	3.19
15.8375	3.17	3.15	3.14	3.12	3.11
15.9000	3.10	3.08	3.07	3.06	3.04
15.9625	3.02	3.01	2.99	2.98	2.96
16.0250	2.95	2.94	2.92	2.91	2.90
16.0875	2.88	2.87	2.86	2.84	2.83
16.1500	2.81	2.79	2.78	2.77	2.75
16.2125	2.74	2.73	2.71	2.70	2.69
16.2750	2.68	2.66	2.65	2.64	2.63
16.3375	2.62	2.60	2.59	2.58	2.57
16.4000	2.55	2.54	2.53	2.52	2.50
16.4625	2.49	2.48	2.47	2.46	2.45
16.5250	2.44	2.43	2.42	2.41	2.40
16.5875	2.39	2.38	2.37	2.36	2.35
16.6500	2.34	2.33	2.33	2.32	2.31
16.7125	2.30	2.29	2.29	2.28	2.27
16.7750	2.26	2.26	2.25	2.24	2.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8375	2.22	2.22	2.21	2.20	2.19
16.9000	2.19	2.18	2.17	2.17	2.16
16.9625	2.15	2.15	2.14	2.13	2.12
17.0250	2.11	2.11	2.10	2.09	2.09
17.0875	2.08	2.07	2.06	2.06	2.05
17.1500	2.04	2.04	2.03	2.02	2.02
17.2125	2.01	2.00	2.00	1.99	1.98
17.2750	1.98	1.97	1.96	1.96	1.95
17.3375	1.95	1.94	1.94	1.93	1.93
17.4000	1.92	1.92	1.91	1.90	1.90
17.4625	1.89	1.88	1.88	1.87	1.86
17.5250	1.86	1.85	1.84	1.84	1.83
17.5875	1.83	1.82	1.82	1.81	1.80
17.6500	1.80	1.79	1.79	1.78	1.77
17.7125	1.77	1.76	1.76	1.75	1.75
17.7750	1.74	1.73	1.73	1.72	1.72
17.8375	1.71	1.70	1.70	1.69	1.69
17.9000	1.68	1.67	1.67	1.66	1.66
17.9625	1.65	1.65	1.64	1.63	1.63
18.0250	1.62	1.62	1.61	1.61	1.60
18.0875	1.60	1.59	1.59	1.58	1.57
18.1500	1.57	1.56	1.56	1.55	1.54
18.2125	1.54	1.53	1.53	1.52	1.52
18.2750	1.51	1.51	1.50	1.50	1.49
18.3375	1.49	1.48	1.48	1.47	1.47
18.4000	1.47	1.46	1.46	1.46	1.45
18.4625	1.45	1.45	1.44	1.44	1.44
18.5250	1.43	1.43	1.43	1.42	1.42
18.5875	1.42	1.41	1.41	1.41	1.41
18.6500	1.40	1.40	1.40	1.40	1.39
18.7125	1.39	1.39	1.38	1.38	1.38
18.7750	1.38	1.37	1.37	1.37	1.37
18.8375	1.36	1.36	1.36	1.36	1.36
18.9000	1.35	1.35	1.35	1.35	1.34
18.9625	1.34	1.34	1.34	1.34	1.33
19.0250	1.33	1.33	1.33	1.33	1.33
19.0875	1.32	1.32	1.32	1.32	1.32
19.1500	1.32	1.31	1.31	1.31	1.31
19.2125	1.31	1.31	1.30	1.30	1.30
19.2750	1.30	1.30	1.30	1.29	1.29
19.3375	1.29	1.29	1.29	1.28	1.28
19.4000	1.28	1.28	1.28	1.28	1.27
19.4625	1.27	1.27	1.27	1.27	1.27
19.5250	1.26	1.26	1.26	1.26	1.26
19.5875	1.26	1.25	1.25	1.25	1.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6500	1.25	1.25	1.24	1.24	1.24
19.7125	1.24	1.24	1.24	1.23	1.23
19.7750	1.23	1.23	1.23	1.23	1.22
19.8375	1.22	1.22	1.22	1.22	1.22
19.9000	1.21	1.21	1.21	1.21	1.21
19.9625	1.21	1.20	1.20	1.20	1.20
20.0250	1.20	1.20	1.19	1.19	1.19
20.0875	1.19	1.19	1.19	1.18	1.18
20.1500	1.18	1.18	1.18	1.18	1.17
20.2125	1.17	1.17	1.17	1.17	1.17
20.2750	1.16	1.16	1.16	1.16	1.16
20.3375	1.16	1.16	1.15	1.15	1.15
20.4000	1.15	1.15	1.15	1.15	1.15
20.4625	1.14	1.14	1.14	1.14	1.14
20.5250	1.14	1.14	1.13	1.13	1.13
20.5875	1.13	1.13	1.13	1.13	1.13
20.6500	1.12	1.12	1.12	1.12	1.12
20.7125	1.12	1.12	1.12	1.11	1.11
20.7750	1.11	1.11	1.11	1.11	1.11
20.8375	1.10	1.10	1.10	1.10	1.10
20.9000	1.10	1.09	1.09	1.09	1.09
20.9625	1.09	1.09	1.09	1.09	1.08
21.0250	1.08	1.08	1.08	1.08	1.08
21.0875	1.08	1.08	1.07	1.07	1.07
21.1500	1.07	1.07	1.07	1.07	1.07
21.2125	1.06	1.06	1.06	1.06	1.06
21.2750	1.06	1.06	1.06	1.05	1.05
21.3375	1.05	1.05	1.05	1.05	1.05
21.4000	1.05	1.04	1.04	1.04	1.04
21.4625	1.04	1.04	1.04	1.04	1.03
21.5250	1.03	1.03	1.03	1.03	1.03
21.5875	1.03	1.02	1.02	1.02	1.02
21.6500	1.02	1.02	1.02	1.02	1.02
21.7125	1.01	1.01	1.01	1.01	1.01
21.7750	1.01	1.01	1.01	1.01	1.00
21.8375	1.00	1.00	1.00	1.00	1.00
21.9000	1.00	1.00	1.00	.99	.99
21.9625	.99	.99	.99	.99	.99
22.0250	.99	.98	.98	.98	.98
22.0875	.98	.98	.98	.98	.97
22.1500	.97	.97	.97	.97	.97
22.2125	.97	.97	.96	.96	.96
22.2750	.96	.96	.96	.96	.96
22.3375	.95	.95	.95	.95	.95
22.4000	.95	.95	.95	.94	.94

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4625	.94	.94	.94	.94	.94
22.5250	.93	.93	.93	.93	.93
22.5875	.93	.93	.92	.92	.92
22.6500	.92	.92	.92	.92	.92
22.7125	.91	.91	.91	.91	.91
22.7750	.91	.91	.91	.90	.90
22.8375	.90	.90	.90	.90	.90
22.9000	.90	.89	.89	.89	.89
22.9625	.89	.89	.89	.89	.89
23.0250	.88	.88	.88	.88	.88
23.0875	.88	.88	.88	.87	.87
23.1500	.87	.87	.87	.87	.87
23.2125	.87	.86	.86	.86	.86
23.2750	.86	.86	.86	.86	.85
23.3375	.85	.85	.85	.85	.85
23.4000	.85	.85	.84	.84	.84
23.4625	.84	.84	.84	.84	.84
23.5250	.84	.83	.83	.83	.83
23.5875	.83	.83	.83	.83	.82
23.6500	.82	.82	.82	.82	.82
23.7125	.82	.82	.81	.81	.81
23.7750	.81	.81	.81	.81	.81
23.8375	.81	.80	.80	.80	.80
23.9000	.80	.80	.80	.80	.79
23.9625	.79	.79	.79	.79	.79
24.0250	.79	.78	.78	.78	.78
24.0875	.77	.77	.76	.76	.75
24.1500	.74	.73	.71	.70	.68
24.2125	.66	.64	.62	.60	.57
24.2750	.55	.52	.50	.47	.44
24.3375	.42	.39	.36	.34	.31
24.4000	.29	.26	.24	.22	.20
24.4625	.18	.16	.14	.12	.10
24.5250	.09	.08	.06	.05	.04
24.5875	.03	.03	.02	.02	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUTLET

HYG Tag = 10

 Peak Discharge = 84.56 cfs
 Time to Peak = 12.2750 hrs
 HYG Volume = 356576 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
11.4875	.00	.23	.59	1.00	1.42
11.5500	1.81	2.20	2.57	2.91	3.23
11.6125	3.54	3.85	4.13	4.40	4.69
11.6750	5.00	5.30	5.63	5.98	6.36
11.7375	6.74	7.16	7.59	8.04	8.54
11.8000	9.05	9.59	10.16	10.76	11.38
11.8625	12.04	12.73	13.43	14.19	16.09
11.9250	16.59	17.09	17.60	18.12	18.66
11.9875	19.21	19.78	20.38	20.99	21.64
12.0500	22.30	24.10	27.59	31.97	36.90
12.1125	42.16	47.55	52.92	58.12	63.02
12.1750	67.55	71.61	75.14	78.12	80.52
12.2375	82.33	83.58	84.31	84.56	84.39
12.3000	83.85	83.00	81.87	80.52	78.97
12.3625	77.30	75.53	73.69	71.82	69.94
12.4250	68.05	66.17	64.32	62.50	60.70
12.4875	58.93	57.18	55.46	53.76	52.09
12.5500	50.45	48.83	47.25	45.71	44.20
12.6125	42.74	41.31	39.94	38.63	37.37
12.6750	36.16	35.00	33.88	32.82	31.80
12.7375	30.84	29.92	29.06	28.25	27.49
12.8000	26.77	26.11	25.49	24.92	24.39
12.8625	23.91	23.48	23.09	22.77	22.51
12.9250	22.38	22.26	22.15	22.03	21.91
12.9875	21.78	21.66	21.53	21.40	21.27
13.0500	21.13	21.00	20.86	20.72	20.58
13.1125	20.44	20.30	20.15	20.01	19.86
13.1750	19.71	19.56	19.41	19.26	19.11
13.2375	18.96	18.81	18.66	18.51	18.36
13.3000	18.21	18.05	17.90	17.75	17.60
13.3625	17.45	17.30	17.16	17.01	16.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.4250	16.71	16.56	16.42	16.27	16.13
13.4875	15.98	15.27	14.38	14.22	14.05
13.5500	13.88	13.74	13.59	13.44	13.31
13.6125	13.17	13.03	12.90	12.77	12.64
13.6750	12.53	12.40	12.27	12.17	12.05
13.7375	11.93	11.84	11.72	11.62	11.52
13.8000	11.41	11.31	11.22	11.13	11.04
13.8625	10.95	10.85	10.77	10.68	10.59
13.9250	10.51	10.43	10.35	10.27	10.19
13.9875	10.11	10.04	9.97	9.89	9.82
14.0500	9.75	9.69	9.62	9.54	9.48
14.1125	9.42	9.35	9.28	9.22	9.15
14.1750	9.09	9.03	8.97	8.92	8.86
14.2375	8.80	8.74	8.68	8.64	8.59
14.3000	8.53	8.48	8.42	8.37	8.33
14.3625	8.28	8.23	8.18	8.13	8.08
14.4250	8.04	8.00	7.96	7.92	7.88
14.4875	7.84	7.80	7.75	7.71	7.67
14.5500	7.63	7.60	7.56	7.53	7.49
14.6125	7.46	7.43	7.40	7.36	7.32
14.6750	7.29	7.25	7.22	7.19	7.16
14.7375	7.13	7.10	7.07	7.04	7.00
14.8000	6.97	6.94	6.91	6.89	6.86
14.8625	6.83	6.80	6.78	6.75	6.72
14.9250	6.70	6.67	6.65	6.62	6.59
14.9875	6.57	6.54	6.52	6.49	6.47
15.0500	6.44	6.42	6.39	6.37	6.34
15.1125	6.32	6.30	6.27	6.25	6.22
15.1750	6.20	6.18	6.15	6.13	6.11
15.2375	6.08	6.06	6.04	6.01	5.99
15.3000	5.97	5.94	5.92	5.90	5.88
15.3625	5.85	5.83	5.81	5.79	5.76
15.4250	5.74	5.72	5.70	5.68	5.66
15.4875	5.64	5.62	5.60	5.58	5.56
15.5500	5.54	5.51	5.49	5.47	5.45
15.6125	5.43	5.41	5.39	5.37	5.35
15.6750	5.33	5.31	5.29	5.27	5.24
15.7375	5.22	5.20	5.18	5.16	5.14
15.8000	5.12	5.10	5.08	5.07	5.05
15.8625	5.03	5.01	4.99	4.97	4.95
15.9250	4.93	4.90	4.89	4.87	4.85
15.9875	4.83	4.81	4.79	4.77	4.74
16.0500	4.72	4.71	4.69	4.67	4.65
16.1125	4.63	4.61	4.60	4.58	4.56
16.1750	4.53	4.51	4.49	4.47	4.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2375	4.44	4.42	4.40	4.38	4.37
16.3000	4.35	4.33	4.32	4.30	4.28
16.3625	4.27	4.25	4.23	4.22	4.20
16.4250	4.18	4.17	4.15	4.14	4.12
16.4875	4.10	4.09	4.07	4.06	4.04
16.5500	4.03	4.01	4.00	3.98	3.97
16.6125	3.95	3.94	3.92	3.91	3.89
16.6750	3.88	3.86	3.85	3.84	3.82
16.7375	3.81	3.79	3.78	3.77	3.75
16.8000	3.74	3.73	3.71	3.70	3.69
16.8625	3.67	3.66	3.65	3.63	3.62
16.9250	3.61	3.59	3.58	3.57	3.56
16.9875	3.54	3.53	3.52	3.51	3.49
17.0500	3.48	3.47	3.46	3.45	3.44
17.1125	3.43	3.42	3.41	3.40	3.39
17.1750	3.38	3.36	3.35	3.34	3.33
17.2375	3.32	3.31	3.29	3.28	3.27
17.3000	3.26	3.25	3.24	3.23	3.22
17.3625	3.21	3.20	3.19	3.18	3.17
17.4250	3.16	3.15	3.14	3.12	3.11
17.4875	3.10	3.10	3.09	3.08	3.07
17.5500	3.06	3.05	3.04	3.03	3.01
17.6125	3.00	2.99	2.98	2.97	2.96
17.6750	2.95	2.94	2.93	2.93	2.92
17.7375	2.91	2.90	2.89	2.88	2.87
17.8000	2.86	2.85	2.84	2.83	2.82
17.8625	2.81	2.80	2.78	2.77	2.76
17.9250	2.76	2.75	2.74	2.73	2.72
17.9875	2.71	2.70	2.69	2.68	2.67
18.0500	2.66	2.66	2.65	2.64	2.63
18.1125	2.62	2.61	2.60	2.59	2.58
18.1750	2.57	2.56	2.55	2.54	2.53
18.2375	2.52	2.51	2.50	2.49	2.48
18.3000	2.47	2.46	2.46	2.45	2.44
18.3625	2.43	2.42	2.42	2.41	2.40
18.4250	2.40	2.39	2.38	2.38	2.37
18.4875	2.36	2.36	2.35	2.35	2.34
18.5500	2.33	2.33	2.32	2.32	2.31
18.6125	2.31	2.30	2.30	2.29	2.29
18.6750	2.29	2.28	2.28	2.27	2.27
18.7375	2.26	2.26	2.25	2.25	2.24
18.8000	2.24	2.23	2.23	2.23	2.22
18.8625	2.22	2.21	2.21	2.20	2.20
18.9250	2.20	2.19	2.19	2.19	2.18
18.9875	2.18	2.18	2.17	2.17	2.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0500	2.16	2.16	2.16	2.15	2.15
19.1125	2.15	2.14	2.14	2.14	2.13
19.1750	2.13	2.12	2.12	2.12	2.11
19.2375	2.11	2.11	2.10	2.10	2.10
19.3000	2.09	2.09	2.09	2.08	2.08
19.3625	2.08	2.07	2.07	2.07	2.07
19.4250	2.06	2.06	2.06	2.05	2.05
19.4875	2.05	2.04	2.04	2.04	2.04
19.5500	2.03	2.03	2.03	2.02	2.02
19.6125	2.02	2.01	2.01	2.01	2.01
19.6750	2.00	2.00	2.00	1.99	1.99
19.7375	1.99	1.99	1.98	1.98	1.98
19.8000	1.97	1.97	1.97	1.97	1.96
19.8625	1.96	1.96	1.96	1.96	1.95
19.9250	1.95	1.95	1.95	1.94	1.94
19.9875	1.94	1.94	1.94	1.93	1.93
20.0500	1.93	1.93	1.92	1.92	1.92
20.1125	1.91	1.91	1.91	1.91	1.90
20.1750	1.90	1.90	1.89	1.89	1.89
20.2375	1.88	1.88	1.88	1.88	1.87
20.3000	1.87	1.87	1.86	1.86	1.86
20.3625	1.86	1.86	1.85	1.85	1.85
20.4250	1.85	1.84	1.84	1.84	1.84
20.4875	1.83	1.83	1.83	1.83	1.83
20.5500	1.82	1.82	1.82	1.82	1.81
20.6125	1.81	1.81	1.81	1.81	1.80
20.6750	1.80	1.80	1.80	1.79	1.79
20.7375	1.79	1.79	1.79	1.78	1.78
20.8000	1.78	1.78	1.78	1.77	1.77
20.8625	1.77	1.77	1.76	1.76	1.76
20.9250	1.76	1.76	1.75	1.75	1.75
20.9875	1.75	1.75	1.74	1.74	1.74
21.0500	1.74	1.74	1.73	1.73	1.73
21.1125	1.73	1.73	1.72	1.72	1.72
21.1750	1.72	1.72	1.71	1.71	1.71
21.2375	1.71	1.71	1.70	1.70	1.70
21.3000	1.70	1.70	1.69	1.69	1.69
21.3625	1.69	1.68	1.68	1.68	1.68
21.4250	1.68	1.67	1.67	1.67	1.67
21.4875	1.67	1.66	1.66	1.66	1.66
21.5500	1.66	1.65	1.65	1.65	1.65
21.6125	1.65	1.64	1.64	1.64	1.64
21.6750	1.64	1.63	1.63	1.63	1.63
21.7375	1.63	1.63	1.62	1.62	1.62
21.8000	1.62	1.62	1.61	1.61	1.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8625	1.61	1.61	1.61	1.60	1.60
21.9250	1.60	1.60	1.60	1.59	1.59
21.9875	1.59	1.59	1.59	1.58	1.58
22.0500	1.58	1.58	1.57	1.57	1.57
22.1125	1.57	1.57	1.56	1.56	1.56
22.1750	1.56	1.56	1.55	1.55	1.55
22.2375	1.55	1.54	1.54	1.54	1.54
22.3000	1.54	1.53	1.53	1.53	1.53
22.3625	1.53	1.52	1.52	1.52	1.52
22.4250	1.52	1.51	1.51	1.51	1.51
22.4875	1.50	1.50	1.50	1.50	1.50
22.5500	1.49	1.49	1.49	1.49	1.49
22.6125	1.48	1.48	1.48	1.48	1.48
22.6750	1.48	1.47	1.47	1.47	1.47
22.7375	1.47	1.47	1.46	1.46	1.46
22.8000	1.46	1.46	1.45	1.45	1.45
22.8625	1.45	1.45	1.45	1.44	1.44
22.9250	1.44	1.44	1.44	1.43	1.43
22.9875	1.43	1.43	1.43	1.42	1.42
23.0500	1.42	1.42	1.42	1.41	1.41
23.1125	1.41	1.41	1.41	1.40	1.40
23.1750	1.40	1.40	1.40	1.39	1.39
23.2375	1.39	1.39	1.38	1.38	1.38
23.3000	1.38	1.37	1.37	1.37	1.37
23.3625	1.37	1.36	1.36	1.36	1.36
23.4250	1.35	1.35	1.35	1.35	1.35
23.4875	1.34	1.34	1.34	1.34	1.34
23.5500	1.34	1.33	1.33	1.33	1.33
23.6125	1.33	1.32	1.32	1.32	1.32
23.6750	1.32	1.32	1.31	1.31	1.31
23.7375	1.31	1.31	1.30	1.30	1.30
23.8000	1.30	1.30	1.29	1.29	1.29
23.8625	1.29	1.29	1.28	1.28	1.28
23.9250	1.28	1.28	1.27	1.27	1.27
23.9875	1.27	1.27	1.26	1.26	1.26
24.0500	1.26	1.25	1.25	1.24	1.24
24.1125	1.23	1.22	1.21	1.20	1.18
24.1750	1.16	1.14	1.12	1.10	1.07
24.2375	1.04	1.01	.98	.95	.91
24.3000	.87	.84	.80	.77	.73
24.3625	.69	.65	.62	.58	.54
24.4250	.51	.48	.44	.41	.38
24.4875	.35	.32	.29	.26	.23
24.5500	.21	.19	.16	.14	.12
24.6125	.10	.09	.07	.06	.05

Type.... Diverted Hydrograph

Page 550

Name.... DB CC-4 OUTLET

Event: 10 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6750	.04	.03	.02	.01	.01
24.7375	.01	.00	.00	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUTLET

HYG Tag = 25

Peak Discharge = 104.87 cfs
Time to Peak = 12.2625 hrs
HYG Volume = 448246 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
hrs | Time on left represents time for first value in each row.

Time hrs					
10.9500	.00	.07	.33	.68	1.04
11.0125	1.38	1.70	1.99	2.27	2.53
11.0750	2.77	3.00	3.21	3.42	3.62
11.1375	3.81	3.99	4.16	4.32	4.48
11.2000	4.65	4.81	4.98	5.13	5.31
11.2625	5.47	5.64	5.81	5.99	6.16
11.3250	6.34	6.51	6.69	6.86	7.04
11.3875	7.22	7.41	7.58	7.76	7.95
11.4500	8.13	8.32	8.51	8.69	8.89
11.5125	9.07	9.27	9.46	9.66	9.85
11.5750	10.05	10.25	10.46	10.69	10.91
11.6375	11.15	11.39	11.66	11.92	12.22
11.7000	12.54	12.87	13.22	13.59	13.99
11.7625	14.42	16.05	16.35	16.67	17.00
11.8250	17.35	17.72	18.09	18.48	18.89
11.8875	19.30	19.73	20.16	20.61	21.07
11.9500	21.54	22.03	22.62	24.51	27.30
12.0125	30.72	34.64	38.97	43.62	48.54
12.0750	53.66	58.90	64.18	69.43	74.56
12.1375	79.50	84.18	88.53	92.47	95.93
12.2000	98.86	101.22	102.99	104.17	104.78
12.2625	104.87	104.46	103.62	102.41	100.87
12.3250	99.07	97.05	94.87	92.60	90.27
12.3875	87.90	85.52	83.13	80.77	78.42
12.4500	76.11	73.83	71.59	69.39	67.23
12.5125	65.13	63.09	61.08	59.10	57.17
12.5750	55.27	53.42	51.61	49.85	48.13
12.6375	46.47	44.87	43.32	41.82	40.40
12.7000	39.05	37.77	36.55	35.40	34.30
12.7625	33.26	32.27	31.34	30.47	29.64
12.8250	28.87	28.14	27.47	26.83	26.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.8875	25.68	25.17	24.69	24.24	23.84
12.9500	23.47	23.13	22.84	22.60	22.44
13.0125	22.34	22.24	22.14	22.03	21.92
13.0750	21.81	21.70	21.59	21.47	21.36
13.1375	21.24	21.12	20.99	20.87	20.75
13.2000	20.62	20.49	20.37	20.24	20.11
13.2625	19.98	19.85	19.72	19.59	19.46
13.3250	19.33	19.20	19.07	18.94	18.80
13.3875	18.67	18.54	18.41	18.28	18.15
13.4500	18.02	17.89	17.77	17.64	17.51
13.5125	17.38	17.25	17.13	17.00	16.87
13.5750	16.75	16.62	16.50	16.37	16.25
13.6375	16.12	16.00	15.88	14.45	14.33
13.7000	14.20	14.06	13.93	13.81	13.70
13.7625	13.58	13.45	13.35	13.24	13.13
13.8250	13.02	12.92	12.82	12.71	12.62
13.8875	12.52	12.42	12.32	12.23	12.14
13.9500	12.05	11.95	11.87	11.79	11.70
14.0125	11.62	11.54	11.45	11.36	11.29
14.0750	11.21	11.14	11.06	10.99	10.91
14.1375	10.83	10.77	10.70	10.62	10.55
14.2000	10.48	10.41	10.35	10.28	10.22
14.2625	10.16	10.09	10.03	9.97	9.91
14.3250	9.86	9.80	9.74	9.69	9.64
14.3875	9.58	9.52	9.48	9.43	9.38
14.4500	9.33	9.28	9.23	9.18	9.13
14.5125	9.09	9.04	8.99	8.95	8.92
14.5750	8.88	8.83	8.79	8.75	8.70
14.6375	8.66	8.63	8.59	8.56	8.52
14.7000	8.48	8.44	8.40	8.36	8.33
14.7625	8.30	8.26	8.23	8.19	8.15
14.8250	8.12	8.08	8.05	8.02	7.99
14.8875	7.96	7.93	7.90	7.87	7.84
14.9500	7.81	7.77	7.74	7.71	7.68
15.0125	7.65	7.62	7.59	7.56	7.54
15.0750	7.51	7.48	7.46	7.43	7.40
15.1375	7.38	7.34	7.31	7.28	7.26
15.2000	7.23	7.20	7.18	7.15	7.13
15.2625	7.10	7.07	7.04	7.02	6.99
15.3250	6.96	6.93	6.91	6.88	6.86
15.3875	6.84	6.81	6.79	6.76	6.74
15.4500	6.71	6.69	6.66	6.64	6.61
15.5125	6.59	6.56	6.54	6.51	6.49
15.5750	6.47	6.44	6.42	6.39	6.37
15.6375	6.34	6.32	6.29	6.27	6.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7000	6.22	6.20	6.17	6.15	6.12
15.7625	6.10	6.08	6.05	6.03	6.00
15.8250	5.98	5.95	5.93	5.91	5.88
15.8875	5.86	5.83	5.81	5.78	5.76
15.9500	5.74	5.71	5.69	5.67	5.65
16.0125	5.62	5.60	5.58	5.56	5.53
16.0750	5.51	5.48	5.46	5.44	5.41
16.1375	5.39	5.37	5.35	5.33	5.31
16.2000	5.28	5.26	5.23	5.21	5.19
16.2625	5.16	5.14	5.12	5.10	5.09
16.3250	5.07	5.05	5.03	5.01	4.99
16.3875	4.97	4.95	4.93	4.91	4.89
16.4500	4.87	4.86	4.84	4.82	4.80
16.5125	4.79	4.77	4.75	4.73	4.71
16.5750	4.70	4.68	4.67	4.65	4.64
16.6375	4.62	4.61	4.59	4.58	4.56
16.7000	4.54	4.53	4.51	4.49	4.48
16.7625	4.46	4.45	4.44	4.42	4.41
16.8250	4.40	4.38	4.37	4.36	4.34
16.8875	4.33	4.32	4.30	4.29	4.28
16.9500	4.27	4.25	4.24	4.23	4.21
17.0125	4.20	4.19	4.18	4.16	4.15
17.0750	4.14	4.13	4.11	4.10	4.09
17.1375	4.07	4.06	4.05	4.04	4.02
17.2000	4.01	4.00	3.99	3.97	3.96
17.2625	3.95	3.94	3.92	3.91	3.90
17.3250	3.89	3.87	3.86	3.85	3.84
17.3875	3.82	3.81	3.80	3.79	3.78
17.4500	3.76	3.75	3.74	3.73	3.71
17.5125	3.70	3.69	3.68	3.66	3.65
17.5750	3.64	3.63	3.62	3.60	3.59
17.6375	3.58	3.57	3.55	3.54	3.53
17.7000	3.52	3.51	3.49	3.48	3.47
17.7625	3.46	3.45	3.44	3.43	3.42
17.8250	3.41	3.40	3.39	3.37	3.36
17.8875	3.35	3.34	3.32	3.31	3.30
17.9500	3.29	3.28	3.26	3.25	3.24
18.0125	3.23	3.22	3.21	3.20	3.19
18.0750	3.18	3.17	3.15	3.14	3.13
18.1375	3.12	3.11	3.10	3.09	3.08
18.2000	3.07	3.06	3.05	3.03	3.02
18.2625	3.01	3.00	2.99	2.98	2.97
18.3250	2.96	2.95	2.94	2.93	2.92
18.3875	2.92	2.91	2.90	2.89	2.88
18.4500	2.87	2.87	2.86	2.85	2.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5125	2.83	2.82	2.82	2.81	2.80
18.5750	2.79	2.78	2.77	2.77	2.76
18.6375	2.76	2.75	2.74	2.74	2.73
18.7000	2.73	2.72	2.71	2.71	2.70
18.7625	2.70	2.69	2.69	2.68	2.68
18.8250	2.67	2.67	2.66	2.66	2.65
18.8875	2.65	2.64	2.64	2.63	2.63
18.9500	2.62	2.62	2.61	2.61	2.60
19.0125	2.60	2.60	2.59	2.59	2.58
19.0750	2.58	2.57	2.57	2.56	2.56
19.1375	2.55	2.55	2.54	2.54	2.53
19.2000	2.53	2.53	2.52	2.52	2.51
19.2625	2.51	2.50	2.50	2.50	2.49
19.3250	2.49	2.48	2.48	2.48	2.47
19.3875	2.47	2.46	2.46	2.46	2.45
19.4500	2.45	2.45	2.44	2.44	2.44
19.5125	2.43	2.43	2.43	2.42	2.42
19.5750	2.42	2.41	2.41	2.41	2.40
19.6375	2.40	2.40	2.39	2.39	2.39
19.7000	2.38	2.38	2.38	2.37	2.37
19.7625	2.37	2.36	2.36	2.36	2.35
19.8250	2.35	2.35	2.34	2.34	2.34
19.8875	2.33	2.33	2.33	2.32	2.32
19.9500	2.32	2.31	2.31	2.31	2.31
20.0125	2.30	2.30	2.30	2.29	2.29
20.0750	2.29	2.29	2.28	2.28	2.28
20.1375	2.27	2.27	2.27	2.26	2.26
20.2000	2.26	2.25	2.25	2.25	2.24
20.2625	2.24	2.24	2.23	2.23	2.23
20.3250	2.22	2.22	2.22	2.21	2.21
20.3875	2.21	2.21	2.20	2.20	2.20
20.4500	2.20	2.19	2.19	2.19	2.18
20.5125	2.18	2.18	2.18	2.17	2.17
20.5750	2.17	2.17	2.16	2.16	2.16
20.6375	2.16	2.15	2.15	2.15	2.14
20.7000	2.14	2.14	2.14	2.13	2.13
20.7625	2.13	2.12	2.12	2.12	2.12
20.8250	2.11	2.11	2.11	2.10	2.10
20.8875	2.10	2.10	2.09	2.09	2.09
20.9500	2.09	2.08	2.08	2.08	2.08
21.0125	2.07	2.07	2.07	2.07	2.06
21.0750	2.06	2.06	2.06	2.05	2.05
21.1375	2.05	2.05	2.04	2.04	2.04
21.2000	2.04	2.03	2.03	2.03	2.03
21.2625	2.02	2.02	2.02	2.02	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
21.3250	2.01	2.01	2.01	2.00	2.00
21.3875	2.00	2.00	1.99	1.99	1.99
21.4500	1.99	1.98	1.98	1.98	1.98
21.5125	1.97	1.97	1.97	1.97	1.97
21.5750	1.96	1.96	1.96	1.96	1.96
21.6375	1.95	1.95	1.95	1.95	1.95
21.7000	1.94	1.94	1.94	1.94	1.94
21.7625	1.93	1.93	1.93	1.93	1.93
21.8250	1.92	1.92	1.92	1.91	1.91
21.8875	1.91	1.91	1.90	1.90	1.90
21.9500	1.90	1.89	1.89	1.89	1.89
22.0125	1.88	1.88	1.88	1.88	1.87
22.0750	1.87	1.87	1.87	1.86	1.86
22.1375	1.86	1.86	1.85	1.85	1.85
22.2000	1.85	1.84	1.84	1.84	1.84
22.2625	1.83	1.83	1.83	1.83	1.83
22.3250	1.82	1.82	1.82	1.82	1.81
22.3875	1.81	1.81	1.81	1.80	1.80
22.4500	1.80	1.80	1.79	1.79	1.79
22.5125	1.79	1.78	1.78	1.78	1.78
22.5750	1.78	1.77	1.77	1.77	1.77
22.6375	1.76	1.76	1.76	1.76	1.75
22.7000	1.75	1.75	1.75	1.75	1.74
22.7625	1.74	1.74	1.74	1.73	1.73
22.8250	1.73	1.73	1.72	1.72	1.72
22.8875	1.72	1.71	1.71	1.71	1.71
22.9500	1.70	1.70	1.70	1.70	1.70
23.0125	1.69	1.69	1.69	1.69	1.68
23.0750	1.68	1.68	1.68	1.67	1.67
23.1375	1.67	1.67	1.66	1.66	1.66
23.2000	1.66	1.65	1.65	1.65	1.65
23.2625	1.64	1.64	1.64	1.64	1.64
23.3250	1.63	1.63	1.63	1.63	1.62
23.3875	1.62	1.62	1.62	1.62	1.61
23.4500	1.61	1.61	1.61	1.61	1.60
23.5125	1.60	1.60	1.60	1.59	1.59
23.5750	1.59	1.59	1.58	1.58	1.58
23.6375	1.58	1.57	1.57	1.57	1.57
23.7000	1.56	1.56	1.56	1.56	1.55
23.7625	1.55	1.55	1.55	1.54	1.54
23.8250	1.54	1.54	1.53	1.53	1.53
23.8875	1.53	1.52	1.52	1.52	1.52
23.9500	1.51	1.51	1.51	1.51	1.50
24.0125	1.50	1.50	1.49	1.49	1.49
24.0750	1.48	1.48	1.47	1.46	1.46

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1375	1.44	1.43	1.41	1.40	1.37
24.2000	1.34	1.32	1.29	1.26	1.22
24.2625	1.19	1.15	1.12	1.07	1.03
24.3250	.99	.95	.91	.86	.82
24.3875	.78	.74	.70	.66	.62
24.4500	.58	.54	.51	.47	.43
24.5125	.40	.37	.34	.30	.28
24.5750	.25	.22	.20	.17	.15
24.6375	.13	.11	.09	.08	.06
24.7000	.05	.04	.03	.02	.01
24.7625	.01	.01	.00	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUTLET

HYG Tag = 50

 Peak Discharge = 114.27 cfs
 Time to Peak = 12.2500 hrs
 HYG Volume = 494170 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
10.7000	.00	.26	.61	.96	1.29
10.7625	1.61	1.91	2.19	2.44	2.69
10.8250	2.91	3.12	3.33	3.51	3.70
10.8875	3.88	4.05	4.21	4.36	4.51
10.9500	4.66	4.82	4.97	5.11	5.26
11.0125	5.41	5.56	5.70	5.85	6.00
11.0750	6.14	6.28	6.43	6.56	6.70
11.1375	6.84	6.97	7.12	7.25	7.40
11.2000	7.53	7.66	7.81	7.95	8.08
11.2625	8.24	8.37	8.52	8.66	8.81
11.3250	8.95	9.10	9.26	9.41	9.56
11.3875	9.71	9.87	10.02	10.18	10.34
11.4500	10.50	10.67	10.83	11.01	11.17
11.5125	11.34	11.52	11.68	11.87	12.04
11.5750	12.23	12.42	12.62	12.82	13.03
11.6375	13.26	13.49	13.75	14.02	14.31
11.7000	15.79	16.07	16.28	16.51	16.76
11.7625	17.02	17.31	17.61	17.93	18.27
11.8250	18.63	18.99	19.38	19.77	20.18
11.8875	20.60	21.03	21.47	21.93	22.40
11.9500	23.70	25.98	28.83	32.14	35.83
12.0125	39.84	44.15	48.72	53.53	58.56
12.0750	63.73	68.98	74.26	79.50	84.62
12.1375	89.57	94.26	98.62	102.56	106.00
12.2000	108.87	111.15	112.80	113.82	114.27
12.2625	114.17	113.57	112.52	111.08	109.31
12.3250	107.26	104.98	102.54	99.98	97.37
12.3875	94.75	92.13	89.53	86.95	84.40
12.4500	81.88	79.40	76.97	74.58	72.23
12.5125	69.93	67.68	65.49	63.35	61.26
12.5750	59.22	57.21	55.26	53.36	51.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6375	49.71	47.98	46.30	44.68	43.13
12.7000	41.65	40.25	38.92	37.67	36.48
12.7625	35.36	34.30	33.29	32.34	31.45
12.8250	30.61	29.82	29.08	28.38	27.73
12.8875	27.12	26.55	26.01	25.51	25.04
12.9500	24.60	24.19	23.82	23.48	23.16
13.0125	22.89	22.65	22.47	22.37	22.28
13.0750	22.18	22.09	21.99	21.88	21.78
13.1375	21.67	21.57	21.46	21.35	21.23
13.2000	21.12	21.00	20.89	20.77	20.65
13.2625	20.54	20.42	20.30	20.18	20.06
13.3250	19.94	19.82	19.69	19.57	19.45
13.3875	19.33	19.21	19.09	18.97	18.85
13.4500	18.73	18.61	18.49	18.37	18.25
13.5125	18.13	18.01	17.89	17.77	17.65
13.5750	17.53	17.41	17.30	17.18	17.06
13.6375	16.95	16.83	16.71	16.60	16.48
13.7000	16.37	16.25	16.14	16.03	15.91
13.7625	14.73	14.38	14.27	14.15	14.02
13.8250	13.90	13.80	13.70	13.59	13.47
13.8875	13.38	13.29	13.18	13.08	12.98
13.9500	12.89	12.80	12.70	12.62	12.53
14.0125	12.44	12.34	12.26	12.19	12.10
14.0750	12.00	11.92	11.85	11.77	11.69
14.1375	11.61	11.54	11.46	11.38	11.31
14.2000	11.24	11.17	11.10	11.03	10.96
14.2625	10.89	10.82	10.76	10.70	10.63
14.3250	10.57	10.51	10.45	10.39	10.33
14.3875	10.28	10.22	10.17	10.11	10.06
14.4500	10.00	9.95	9.90	9.85	9.80
14.5125	9.75	9.71	9.67	9.62	9.57
14.5750	9.52	9.48	9.44	9.40	9.35
14.6375	9.31	9.27	9.22	9.18	9.14
14.7000	9.10	9.06	9.02	8.98	8.95
14.7625	8.91	8.88	8.84	8.80	8.76
14.8250	8.73	8.69	8.66	8.62	8.59
14.8875	8.56	8.52	8.49	8.45	8.42
14.9500	8.38	8.35	8.32	8.29	8.26
15.0125	8.23	8.19	8.16	8.13	8.09
15.0750	8.06	8.03	8.01	7.98	7.95
15.1375	7.92	7.89	7.87	7.83	7.80
15.2000	7.77	7.74	7.71	7.68	7.65
15.2625	7.62	7.59	7.57	7.54	7.51
15.3250	7.49	7.46	7.44	7.41	7.38
15.3875	7.35	7.32	7.29	7.26	7.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4500	7.21	7.19	7.16	7.13	7.11
15.5125	7.08	7.05	7.02	6.99	6.96
15.5750	6.94	6.91	6.89	6.86	6.84
15.6375	6.81	6.79	6.76	6.74	6.71
15.7000	6.68	6.66	6.63	6.61	6.58
15.7625	6.56	6.53	6.51	6.48	6.45
15.8250	6.43	6.40	6.38	6.35	6.33
15.8875	6.30	6.28	6.25	6.22	6.20
15.9500	6.17	6.15	6.12	6.10	6.07
16.0125	6.04	6.02	5.99	5.97	5.94
16.0750	5.92	5.89	5.87	5.84	5.81
16.1375	5.79	5.76	5.74	5.71	5.69
16.2000	5.67	5.64	5.62	5.60	5.58
16.2625	5.56	5.53	5.51	5.48	5.46
16.3250	5.44	5.41	5.39	5.38	5.36
16.3875	5.34	5.32	5.29	5.27	5.25
16.4500	5.23	5.21	5.19	5.17	5.15
16.5125	5.13	5.11	5.10	5.08	5.06
16.5750	5.05	5.03	5.02	5.00	4.98
16.6375	4.96	4.95	4.93	4.91	4.89
16.7000	4.88	4.86	4.85	4.83	4.82
16.7625	4.80	4.78	4.77	4.75	4.73
16.8250	4.72	4.71	4.69	4.68	4.66
16.8875	4.65	4.64	4.62	4.61	4.60
16.9500	4.58	4.57	4.55	4.54	4.52
17.0125	4.51	4.49	4.48	4.46	4.45
17.0750	4.44	4.43	4.41	4.40	4.39
17.1375	4.38	4.36	4.35	4.34	4.33
17.2000	4.32	4.30	4.29	4.28	4.27
17.2625	4.25	4.24	4.23	4.22	4.20
17.3250	4.19	4.18	4.17	4.15	4.14
17.3875	4.13	4.12	4.11	4.09	4.08
17.4500	4.07	4.06	4.04	4.03	4.02
17.5125	4.01	3.99	3.98	3.97	3.95
17.5750	3.94	3.93	3.92	3.90	3.89
17.6375	3.88	3.87	3.85	3.84	3.83
17.7000	3.82	3.80	3.79	3.78	3.77
17.7625	3.75	3.74	3.73	3.72	3.70
17.8250	3.69	3.68	3.66	3.65	3.64
17.8875	3.63	3.61	3.60	3.59	3.58
17.9500	3.56	3.55	3.54	3.52	3.51
18.0125	3.50	3.49	3.47	3.46	3.45
18.0750	3.44	3.43	3.42	3.41	3.40
18.1375	3.39	3.37	3.36	3.35	3.33
18.2000	3.32	3.31	3.30	3.28	3.27

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2625	3.26	3.25	3.24	3.23	3.22
18.3250	3.21	3.20	3.19	3.18	3.17
18.3875	3.16	3.15	3.14	3.13	3.12
18.4500	3.11	3.10	3.09	3.09	3.08
18.5125	3.07	3.06	3.06	3.05	3.04
18.5750	3.03	3.02	3.01	3.00	3.00
18.6375	2.99	2.98	2.97	2.97	2.96
18.7000	2.95	2.95	2.94	2.94	2.93
18.7625	2.92	2.92	2.91	2.91	2.90
18.8250	2.90	2.89	2.88	2.88	2.87
18.8875	2.87	2.86	2.86	2.85	2.85
18.9500	2.84	2.83	2.83	2.82	2.82
19.0125	2.81	2.80	2.80	2.79	2.79
19.0750	2.78	2.78	2.77	2.77	2.76
19.1375	2.76	2.75	2.75	2.75	2.74
19.2000	2.74	2.73	2.73	2.73	2.72
19.2625	2.72	2.71	2.71	2.71	2.70
19.3250	2.70	2.69	2.69	2.69	2.68
19.3875	2.68	2.67	2.67	2.67	2.66
19.4500	2.66	2.65	2.65	2.65	2.64
19.5125	2.64	2.63	2.63	2.63	2.62
19.5750	2.62	2.62	2.61	2.61	2.60
19.6375	2.60	2.60	2.59	2.59	2.59
19.7000	2.58	2.58	2.57	2.57	2.56
19.7625	2.56	2.56	2.55	2.55	2.54
19.8250	2.54	2.54	2.53	2.53	2.53
19.8875	2.52	2.52	2.51	2.51	2.51
19.9500	2.50	2.50	2.49	2.49	2.49
20.0125	2.48	2.48	2.48	2.47	2.47
20.0750	2.46	2.46	2.46	2.45	2.45
20.1375	2.45	2.44	2.44	2.44	2.43
20.2000	2.43	2.43	2.42	2.42	2.42
20.2625	2.41	2.41	2.41	2.40	2.40
20.3250	2.40	2.39	2.39	2.39	2.39
20.3875	2.38	2.38	2.38	2.37	2.37
20.4500	2.37	2.36	2.36	2.36	2.36
20.5125	2.35	2.35	2.35	2.34	2.34
20.5750	2.34	2.33	2.33	2.33	2.33
20.6375	2.32	2.32	2.32	2.32	2.31
20.7000	2.31	2.31	2.31	2.30	2.30
20.7625	2.30	2.30	2.29	2.29	2.29
20.8250	2.28	2.28	2.28	2.28	2.27
20.8875	2.27	2.27	2.27	2.26	2.26
20.9500	2.26	2.25	2.25	2.25	2.25
21.0125	2.24	2.24	2.24	2.23	2.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0750	2.23	2.23	2.22	2.22	2.22
21.1375	2.22	2.21	2.21	2.21	2.21
21.2000	2.20	2.20	2.20	2.20	2.19
21.2625	2.19	2.19	2.19	2.18	2.18
21.3250	2.18	2.18	2.17	2.17	2.17
21.3875	2.17	2.16	2.16	2.16	2.16
21.4500	2.15	2.15	2.15	2.14	2.14
21.5125	2.14	2.14	2.13	2.13	2.13
21.5750	2.12	2.12	2.12	2.12	2.11
21.6375	2.11	2.11	2.10	2.10	2.10
21.7000	2.10	2.09	2.09	2.09	2.09
21.7625	2.08	2.08	2.08	2.07	2.07
21.8250	2.07	2.07	2.06	2.06	2.06
21.8875	2.06	2.05	2.05	2.05	2.05
21.9500	2.04	2.04	2.04	2.04	2.03
22.0125	2.03	2.03	2.03	2.02	2.02
22.0750	2.02	2.01	2.01	2.01	2.01
22.1375	2.00	2.00	2.00	2.00	1.99
22.2000	1.99	1.99	1.99	1.98	1.98
22.2625	1.98	1.98	1.97	1.97	1.97
22.3250	1.97	1.96	1.96	1.96	1.96
22.3875	1.96	1.95	1.95	1.95	1.95
22.4500	1.94	1.94	1.94	1.94	1.94
22.5125	1.93	1.93	1.93	1.93	1.92
22.5750	1.92	1.92	1.92	1.91	1.91
22.6375	1.91	1.90	1.90	1.90	1.90
22.7000	1.89	1.89	1.89	1.88	1.88
22.7625	1.88	1.88	1.87	1.87	1.87
22.8250	1.87	1.86	1.86	1.86	1.86
22.8875	1.85	1.85	1.85	1.85	1.84
22.9500	1.84	1.84	1.84	1.83	1.83
23.0125	1.83	1.83	1.82	1.82	1.82
23.0750	1.82	1.81	1.81	1.81	1.81
23.1375	1.80	1.80	1.80	1.79	1.79
23.2000	1.79	1.79	1.78	1.78	1.78
23.2625	1.78	1.77	1.77	1.77	1.77
23.3250	1.76	1.76	1.76	1.76	1.75
23.3875	1.75	1.75	1.75	1.74	1.74
23.4500	1.74	1.74	1.73	1.73	1.73
23.5125	1.73	1.72	1.72	1.72	1.72
23.5750	1.71	1.71	1.71	1.71	1.70
23.6375	1.70	1.70	1.69	1.69	1.69
23.7000	1.69	1.68	1.68	1.68	1.68
23.7625	1.67	1.67	1.67	1.67	1.66
23.8250	1.66	1.66	1.66	1.65	1.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.8875	1.65	1.65	1.64	1.64	1.64
23.9500	1.64	1.63	1.63	1.63	1.63
24.0125	1.62	1.62	1.62	1.62	1.61
24.0750	1.61	1.60	1.60	1.59	1.58
24.1375	1.56	1.55	1.53	1.51	1.48
24.2000	1.46	1.43	1.40	1.37	1.33
24.2625	1.29	1.25	1.21	1.17	1.13
24.3250	1.09	1.04	1.00	.96	.91
24.3875	.87	.82	.78	.74	.70
24.4500	.66	.62	.58	.53	.50
24.5125	.46	.43	.39	.36	.33
24.5750	.30	.27	.24	.21	.19
24.6375	.16	.14	.12	.10	.08
24.7000	.07	.05	.04	.03	.02
24.7625	.02	.01	.01	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = DB CC-4 OUTLET

HYG Tag = 100

 Peak Discharge = 123.54 cfs
 Time to Peak = 12.2500 hrs
 HYG Volume = 540139 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
10.4500	.00	.24	.57	.91	1.24
10.5125	1.56	1.85	2.12	2.37	2.62
10.5750	2.84	3.05	3.24	3.43	3.61
10.6375	3.79	3.95	4.11	4.25	4.40
10.7000	4.55	4.69	4.84	4.99	5.12
10.7625	5.27	5.41	5.55	5.69	5.83
10.8250	5.97	6.11	6.25	6.39	6.52
10.8875	6.65	6.78	6.91	7.05	7.17
10.9500	7.30	7.43	7.55	7.67	7.80
11.0125	7.92	8.03	8.15	8.28	8.39
11.0750	8.51	8.62	8.73	8.85	8.96
11.1375	9.07	9.18	9.30	9.42	9.52
11.2000	9.65	9.75	9.86	9.98	10.10
11.2625	10.22	10.34	10.46	10.59	10.73
11.3250	10.84	10.98	11.11	11.25	11.38
11.3875	11.53	11.67	11.82	11.95	12.11
11.4500	12.25	12.41	12.57	12.72	12.88
11.5125	13.04	13.20	13.37	13.53	13.71
11.5750	13.88	14.08	14.28	14.47	15.92
11.6375	16.04	16.18	16.33	16.49	16.66
11.7000	16.85	17.05	17.27	17.51	17.77
11.7625	18.05	18.34	18.66	18.99	19.33
11.8250	19.70	20.07	20.47	20.87	21.29
11.8875	21.72	22.16	22.82	24.56	26.95
11.9500	29.78	32.95	36.40	40.11	44.06
12.0125	48.24	52.66	57.34	62.24	67.33
12.0750	72.56	77.87	83.21	88.55	93.79
12.1375	98.85	103.65	108.08	112.08	115.55
12.2000	118.43	120.69	122.29	123.22	123.54
12.2625	123.27	122.47	121.21	119.56	117.57
12.3250	115.29	112.78	110.10	107.30	104.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3875	101.56	98.68	95.84	93.05	90.30
12.4500	87.59	84.92	82.30	79.72	77.20
12.5125	74.72	72.29	69.91	67.58	65.33
12.5750	63.13	60.98	58.89	56.85	54.86
12.6375	52.94	51.07	49.27	47.53	45.87
12.7000	44.27	42.75	41.31	39.94	38.66
12.7625	37.46	36.31	35.24	34.22	33.27
12.8250	32.36	31.52	30.72	29.97	29.26
12.8875	28.60	27.97	27.38	26.83	26.32
12.9500	25.83	25.37	24.94	24.54	24.17
13.0125	23.82	23.50	23.21	22.94	22.71
13.0750	22.52	22.41	22.32	22.23	22.14
13.1375	22.05	21.95	21.86	21.76	21.66
13.2000	21.55	21.45	21.35	21.24	21.13
13.2625	21.03	20.92	20.81	20.70	20.59
13.3250	20.48	20.37	20.26	20.15	20.04
13.3875	19.92	19.81	19.70	19.59	19.48
13.4500	19.37	19.25	19.14	19.03	18.92
13.5125	18.81	18.70	18.59	18.48	18.37
13.5750	18.25	18.14	18.03	17.92	17.81
13.6375	17.70	17.60	17.49	17.38	17.27
13.7000	17.16	17.05	16.94	16.83	16.73
13.7625	16.62	16.51	16.41	16.30	16.19
13.8250	16.09	15.98	15.86	14.46	14.36
13.8875	14.26	14.14	14.03	13.92	13.82
13.9500	13.73	13.63	13.52	13.42	13.35
14.0125	13.25	13.15	13.06	12.97	12.89
14.0750	12.80	12.71	12.63	12.55	12.46
14.1375	12.38	12.29	12.22	12.15	12.06
14.2000	11.98	11.91	11.85	11.77	11.69
14.2625	11.62	11.56	11.49	11.41	11.34
14.3250	11.28	11.22	11.16	11.10	11.04
14.3875	10.98	10.91	10.85	10.79	10.75
14.4500	10.69	10.63	10.57	10.52	10.47
14.5125	10.42	10.37	10.32	10.27	10.22
14.5750	10.17	10.12	10.08	10.03	9.99
14.6375	9.94	9.90	9.85	9.81	9.76
14.7000	9.72	9.69	9.65	9.61	9.56
14.7625	9.52	9.48	9.45	9.41	9.37
14.8250	9.33	9.29	9.26	9.22	9.18
14.8875	9.14	9.10	9.07	9.03	9.00
14.9500	8.96	8.93	8.90	8.87	8.83
15.0125	8.80	8.76	8.73	8.69	8.66
15.0750	8.63	8.60	8.57	8.54	8.50
15.1375	8.47	8.43	8.40	8.37	8.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2000	8.31	8.28	8.25	8.22	8.19
15.2625	8.15	8.12	8.09	8.06	8.03
15.3250	8.00	7.98	7.95	7.92	7.89
15.3875	7.86	7.83	7.80	7.77	7.74
15.4500	7.71	7.68	7.65	7.62	7.59
15.5125	7.57	7.54	7.51	7.49	7.46
15.5750	7.43	7.40	7.38	7.35	7.32
15.6375	7.28	7.26	7.23	7.20	7.18
15.7000	7.15	7.12	7.10	7.07	7.03
15.7625	7.00	6.97	6.95	6.92	6.89
15.8250	6.87	6.84	6.81	6.79	6.76
15.8875	6.73	6.71	6.68	6.65	6.63
15.9500	6.60	6.57	6.55	6.52	6.49
16.0125	6.47	6.44	6.41	6.38	6.36
16.0750	6.33	6.30	6.28	6.25	6.22
16.1375	6.20	6.17	6.14	6.12	6.09
16.2000	6.06	6.04	6.01	5.99	5.96
16.2625	5.94	5.91	5.88	5.86	5.84
16.3250	5.81	5.79	5.76	5.74	5.72
16.3875	5.69	5.67	5.65	5.63	5.61
16.4500	5.60	5.57	5.55	5.53	5.51
16.5125	5.49	5.47	5.45	5.43	5.41
16.5750	5.39	5.37	5.36	5.34	5.32
16.6375	5.30	5.28	5.26	5.24	5.23
16.7000	5.21	5.19	5.17	5.15	5.14
16.7625	5.12	5.11	5.09	5.08	5.06
16.8250	5.05	5.03	5.02	5.01	4.99
16.8875	4.97	4.96	4.94	4.92	4.91
16.9500	4.89	4.88	4.87	4.85	4.84
17.0125	4.82	4.81	4.79	4.78	4.76
17.0750	4.75	4.73	4.72	4.70	4.69
17.1375	4.68	4.67	4.65	4.64	4.63
17.2000	4.61	4.60	4.59	4.58	4.56
17.2625	4.55	4.53	4.52	4.50	4.49
17.3250	4.47	4.46	4.45	4.44	4.42
17.3875	4.41	4.40	4.39	4.37	4.36
17.4500	4.35	4.34	4.33	4.31	4.30
17.5125	4.29	4.28	4.26	4.25	4.24
17.5750	4.23	4.21	4.20	4.19	4.18
17.6375	4.16	4.15	4.14	4.13	4.11
17.7000	4.10	4.09	4.08	4.06	4.05
17.7625	4.04	4.02	4.01	4.00	3.99
17.8250	3.97	3.96	3.95	3.93	3.92
17.8875	3.91	3.89	3.88	3.87	3.86
17.9500	3.84	3.83	3.82	3.80	3.79

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0125	3.78	3.76	3.75	3.74	3.72
18.0750	3.71	3.70	3.68	3.67	3.66
18.1375	3.64	3.63	3.62	3.60	3.59
18.2000	3.58	3.57	3.55	3.54	3.53
18.2625	3.51	3.50	3.49	3.48	3.47
18.3250	3.46	3.45	3.44	3.43	3.42
18.3875	3.41	3.40	3.39	3.38	3.37
18.4500	3.36	3.35	3.34	3.33	3.32
18.5125	3.31	3.30	3.29	3.28	3.27
18.5750	3.26	3.25	3.24	3.24	3.23
18.6375	3.22	3.22	3.21	3.20	3.20
18.7000	3.19	3.18	3.17	3.16	3.16
18.7625	3.15	3.14	3.13	3.13	3.12
18.8250	3.11	3.11	3.10	3.10	3.09
18.8875	3.09	3.08	3.07	3.07	3.06
18.9500	3.06	3.05	3.05	3.04	3.03
19.0125	3.03	3.02	3.01	3.01	3.00
19.0750	3.00	2.99	2.99	2.98	2.97
19.1375	2.97	2.97	2.96	2.96	2.95
19.2000	2.95	2.94	2.94	2.93	2.93
19.2625	2.93	2.92	2.92	2.91	2.91
19.3250	2.90	2.90	2.90	2.89	2.89
19.3875	2.88	2.88	2.87	2.87	2.87
19.4500	2.86	2.86	2.85	2.85	2.84
19.5125	2.84	2.83	2.83	2.82	2.82
19.5750	2.81	2.81	2.80	2.80	2.79
19.6375	2.79	2.79	2.78	2.78	2.77
19.7000	2.77	2.76	2.76	2.76	2.75
19.7625	2.75	2.75	2.74	2.74	2.74
19.8250	2.73	2.73	2.72	2.72	2.72
19.8875	2.71	2.71	2.71	2.70	2.70
19.9500	2.69	2.69	2.69	2.68	2.68
20.0125	2.68	2.67	2.67	2.66	2.66
20.0750	2.66	2.65	2.65	2.65	2.64
20.1375	2.64	2.63	2.63	2.63	2.62
20.2000	2.62	2.62	2.61	2.61	2.61
20.2625	2.60	2.60	2.59	2.59	2.59
20.3250	2.58	2.58	2.58	2.57	2.57
20.3875	2.56	2.56	2.56	2.55	2.55
20.4500	2.55	2.54	2.54	2.54	2.53
20.5125	2.53	2.52	2.52	2.52	2.51
20.5750	2.51	2.51	2.50	2.50	2.50
20.6375	2.49	2.49	2.49	2.48	2.48
20.7000	2.48	2.47	2.47	2.47	2.46
20.7625	2.46	2.46	2.45	2.45	2.45

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8250	2.45	2.44	2.44	2.44	2.43
20.8875	2.43	2.43	2.43	2.42	2.42
20.9500	2.42	2.41	2.41	2.41	2.41
21.0125	2.40	2.40	2.40	2.40	2.39
21.0750	2.39	2.39	2.38	2.38	2.38
21.1375	2.38	2.37	2.37	2.37	2.37
21.2000	2.36	2.36	2.36	2.35	2.35
21.2625	2.35	2.35	2.34	2.34	2.34
21.3250	2.34	2.33	2.33	2.33	2.32
21.3875	2.32	2.32	2.32	2.31	2.31
21.4500	2.31	2.31	2.30	2.30	2.30
21.5125	2.30	2.29	2.29	2.29	2.29
21.5750	2.28	2.28	2.28	2.28	2.27
21.6375	2.27	2.27	2.26	2.26	2.26
21.7000	2.26	2.25	2.25	2.25	2.24
21.7625	2.24	2.24	2.23	2.23	2.23
21.8250	2.23	2.22	2.22	2.22	2.21
21.8875	2.21	2.21	2.21	2.20	2.20
21.9500	2.20	2.20	2.19	2.19	2.19
22.0125	2.19	2.18	2.18	2.18	2.18
22.0750	2.17	2.17	2.17	2.17	2.16
22.1375	2.16	2.16	2.16	2.15	2.15
22.2000	2.15	2.14	2.14	2.14	2.13
22.2625	2.13	2.13	2.12	2.12	2.12
22.3250	2.12	2.11	2.11	2.11	2.10
22.3875	2.10	2.10	2.10	2.09	2.09
22.4500	2.09	2.08	2.08	2.08	2.07
22.5125	2.07	2.07	2.07	2.06	2.06
22.5750	2.06	2.05	2.05	2.05	2.05
22.6375	2.04	2.04	2.04	2.03	2.03
22.7000	2.03	2.03	2.02	2.02	2.02
22.7625	2.02	2.01	2.01	2.01	2.00
22.8250	2.00	2.00	2.00	1.99	1.99
22.8875	1.99	1.98	1.98	1.98	1.98
22.9500	1.97	1.97	1.97	1.97	1.96
23.0125	1.96	1.96	1.96	1.95	1.95
23.0750	1.95	1.95	1.95	1.94	1.94
23.1375	1.94	1.94	1.93	1.93	1.93
23.2000	1.93	1.92	1.92	1.92	1.91
23.2625	1.91	1.91	1.90	1.90	1.90
23.3250	1.90	1.89	1.89	1.89	1.88
23.3875	1.88	1.88	1.87	1.87	1.87
23.4500	1.87	1.86	1.86	1.86	1.85
23.5125	1.85	1.85	1.85	1.84	1.84
23.5750	1.84	1.84	1.83	1.83	1.83

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6375	1.83	1.82	1.82	1.82	1.82
23.7000	1.81	1.81	1.81	1.80	1.80
23.7625	1.80	1.80	1.79	1.79	1.79
23.8250	1.78	1.78	1.78	1.78	1.77
23.8875	1.77	1.77	1.77	1.76	1.76
23.9500	1.76	1.75	1.75	1.75	1.75
24.0125	1.74	1.74	1.74	1.73	1.73
24.0750	1.72	1.72	1.71	1.70	1.69
24.1375	1.68	1.66	1.64	1.62	1.60
24.2000	1.57	1.54	1.51	1.48	1.44
24.2625	1.40	1.36	1.32	1.28	1.23
24.3250	1.19	1.14	1.10	1.05	1.00
24.3875	.96	.91	.86	.82	.78
24.4500	.73	.69	.65	.61	.56
24.5125	.53	.49	.45	.41	.38
24.5750	.35	.31	.28	.25	.23
24.6375	.20	.18	.15	.13	.11
24.7000	.09	.08	.06	.05	.04
24.7625	.03	.02	.01	.01	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL AA

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
DB AA OUTLET      DB AA          IN  work_pad.hyg   DB AA OUTLET    2
REACH AA-1        D.A. AA-1     work_pad.hyg  D.A. AA-1      2
=====

```

INFLOWS TO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID          HYG tag        cu.ft          hrs            cfs
-----
work_pad.hyg  DB AA OUTLET    2              297711         12.9750        17.24
work_pad.hyg  D.A. AA-1       2              148510         12.1750        35.02

```

TOTAL FLOW INTO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID          HYG tag        cu.ft          hrs            cfs
-----
work_pad.hyg  OUTFALL AA     2              446220         12.1750        35.02

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL AA

HYG Tag = 2

 Peak Discharge = 35.02 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 446220 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.6750	.00	.00	.00	.00	.01
9.7375	.01	.01	.01	.01	.02
9.8000	.02	.03	.03	.03	.04
9.8625	.04	.05	.05	.06	.06
9.9250	.07	.08	.08	.09	.09
9.9875	.10	.11	.11	.12	.13
10.0500	.13	.14	.15	.15	.16
10.1125	.17	.18	.18	.19	.20
10.1750	.21	.21	.22	.23	.24
10.2375	.25	.25	.26	.27	.28
10.3000	.29	.30	.31	.32	.32
10.3625	.33	.34	.35	.36	.37
10.4250	.38	.39	.40	.41	.42
10.4875	.43	.45	.46	.47	.48
10.5500	.49	.50	.51	.52	.54
10.6125	.55	.56	.57	.58	.59
10.6750	.61	.62	.63	.64	.66
10.7375	.67	.68	.70	.71	.72
10.8000	.74	.75	.76	.78	.79
10.8625	.81	.82	.83	.85	.86
10.9250	.88	.89	.91	.92	.94
10.9875	.95	.97	.98	1.00	1.01
11.0500	1.03	1.05	1.07	1.09	1.11
11.1125	1.13	1.15	1.17	1.19	1.22
11.1750	1.24	1.27	1.29	1.32	1.35
11.2375	1.38	1.41	1.44	1.48	1.51
11.3000	1.54	1.58	1.62	1.65	1.69
11.3625	1.73	1.77	1.81	1.85	1.89
11.4250	1.93	1.97	2.01	2.06	2.10
11.4875	2.15	2.20	2.25	2.30	2.36
11.5500	2.43	2.51	2.59	2.69	2.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.6125	2.91	3.05	3.19	3.35	3.53
11.6750	3.72	3.95	4.18	4.44	4.71
11.7375	4.99	5.30	5.61	5.95	6.31
11.8000	6.68	7.08	7.48	7.90	8.33
11.8625	8.78	9.26	9.73	10.29	10.87
11.9250	11.51	12.27	13.02	14.06	15.12
11.9875	16.34	17.74	19.13	20.70	22.28
12.0500	23.86	25.46	27.05	28.54	30.03
12.1125	31.32	32.48	33.56	34.19	34.83
12.1750	35.02	35.01	34.89	34.42	34.25
12.2375	34.05	33.89	33.71	33.42	33.07
12.3000	32.69	32.30	31.93	31.68	31.41
12.3625	31.21	31.01	30.82	30.63	30.43
12.4250	30.24	30.04	29.84	29.63	29.40
12.4875	29.15	28.88	28.61	28.33	28.03
12.5500	27.76	27.47	27.50	27.50	27.46
12.6125	27.43	27.29	26.97	26.67	26.37
12.6750	26.12	25.87	25.65	25.44	25.25
12.7375	25.08	24.92	24.78	24.65	24.53
12.8000	24.42	24.30	24.21	24.11	24.02
12.8625	23.94	23.85	23.77	23.69	23.61
12.9250	23.54	23.46	23.38	23.30	23.23
12.9875	23.15	23.07	22.99	22.91	22.84
13.0500	22.76	22.69	22.61	22.54	22.47
13.1125	22.40	22.32	22.26	22.19	22.13
13.1750	22.07	22.01	21.96	21.90	21.85
13.2375	21.79	21.74	21.70	21.65	21.60
13.3000	21.55	21.51	21.46	21.41	21.37
13.3625	21.32	21.28	21.24	21.19	21.15
13.4250	21.10	21.05	21.01	20.96	20.92
13.4875	20.87	20.82	20.78	20.73	20.68
13.5500	20.64	20.59	20.54	20.50	20.45
13.6125	20.40	20.35	20.31	20.26	20.21
13.6750	20.16	20.12	20.07	20.02	19.97
13.7375	19.92	19.87	19.81	19.69	19.58
13.8000	19.47	19.35	19.24	19.13	19.02
13.8625	18.91	18.80	18.69	18.58	18.47
13.9250	18.37	18.26	18.16	18.05	17.95
13.9875	17.84	17.74	17.64	17.54	17.44
14.0500	17.34	17.24	17.14	17.04	16.94
14.1125	16.86	16.81	16.76	16.71	16.65
14.1750	16.60	16.55	16.50	16.45	16.40
14.2375	16.35	16.31	16.26	16.21	16.16
14.3000	16.11	16.07	16.02	15.97	15.93
14.3625	15.88	15.83	15.79	15.74	15.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.4250	15.65	15.61	15.56	15.52	15.47
14.4875	15.43	15.38	15.34	15.29	15.25
14.5500	15.21	15.16	15.12	15.08	15.03
14.6125	14.99	14.95	14.90	14.86	14.82
14.6750	14.78	14.73	14.69	14.65	14.61
14.7375	14.56	14.52	14.48	14.44	14.39
14.8000	14.35	14.31	14.27	14.23	14.18
14.8625	14.14	14.10	14.06	14.02	13.98
14.9250	13.93	13.89	13.85	13.81	13.77
14.9875	13.73	13.69	13.65	13.61	13.57
15.0500	13.53	13.49	13.45	13.40	13.36
15.1125	13.32	13.28	13.24	13.20	13.16
15.1750	13.12	13.08	13.04	13.00	12.96
15.2375	12.92	12.88	12.84	12.80	12.76
15.3000	12.72	12.68	12.64	12.60	12.56
15.3625	12.52	12.49	12.45	12.41	12.37
15.4250	12.33	12.29	12.25	12.22	12.18
15.4875	12.14	12.10	12.06	12.02	11.99
15.5500	11.95	11.91	11.87	11.83	11.79
15.6125	11.75	11.72	11.68	11.64	11.60
15.6750	11.56	11.53	11.49	11.45	11.41
15.7375	11.37	11.34	11.30	11.26	11.22
15.8000	11.19	11.15	11.11	11.07	11.04
15.8625	11.00	10.96	10.93	10.89	10.85
15.9250	10.82	10.78	10.74	10.71	10.67
15.9875	10.64	10.60	10.56	10.53	10.49
16.0500	10.45	10.42	10.38	10.35	10.31
16.1125	10.28	10.24	10.21	10.18	10.14
16.1750	10.11	10.08	10.04	10.01	9.98
16.2375	9.95	9.91	9.88	9.85	9.82
16.3000	9.79	9.76	9.73	9.70	9.67
16.3625	9.64	9.61	9.58	9.55	9.52
16.4250	9.50	9.47	9.44	9.41	9.38
16.4875	9.35	9.32	9.30	9.27	9.24
16.5500	9.21	9.19	9.16	9.13	9.10
16.6125	9.08	9.05	9.02	8.99	8.97
16.6750	8.94	8.91	8.89	8.86	8.83
16.7375	8.81	8.78	8.75	8.73	8.70
16.8000	8.67	8.65	8.62	8.60	8.57
16.8625	8.55	8.52	8.50	8.47	8.45
16.9250	8.43	8.40	8.38	8.35	8.33
16.9875	8.31	8.28	8.26	8.24	8.21
17.0500	8.19	8.16	8.14	8.12	8.09
17.1125	8.07	8.05	8.02	8.00	7.98
17.1750	7.96	7.93	7.91	7.89	7.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.2375	7.84	7.82	7.80	7.77	7.75
17.3000	7.73	7.71	7.68	7.66	7.64
17.3625	7.62	7.59	7.57	7.55	7.53
17.4250	7.51	7.48	7.46	7.44	7.42
17.4875	7.40	7.38	7.36	7.33	7.31
17.5500	7.29	7.27	7.25	7.23	7.21
17.6125	7.19	7.17	7.15	7.12	7.10
17.6750	7.08	7.06	7.04	7.02	7.00
17.7375	6.98	6.96	6.94	6.92	6.90
17.8000	6.88	6.86	6.84	6.82	6.80
17.8625	6.78	6.76	6.74	6.72	6.70
17.9250	6.68	6.66	6.64	6.62	6.60
17.9875	6.58	6.56	6.54	6.52	6.50
18.0500	6.48	6.46	6.44	6.42	6.40
18.1125	6.38	6.36	6.34	6.33	6.31
18.1750	6.29	6.28	6.26	6.24	6.23
18.2375	6.21	6.20	6.18	6.17	6.15
18.3000	6.14	6.12	6.11	6.09	6.08
18.3625	6.06	6.05	6.03	6.02	6.01
18.4250	5.99	5.98	5.96	5.95	5.93
18.4875	5.92	5.91	5.89	5.88	5.86
18.5500	5.85	5.84	5.82	5.81	5.80
18.6125	5.78	5.77	5.76	5.74	5.73
18.6750	5.72	5.70	5.69	5.68	5.67
18.7375	5.65	5.64	5.63	5.61	5.60
18.8000	5.59	5.58	5.56	5.55	5.54
18.8625	5.53	5.51	5.50	5.49	5.48
18.9250	5.46	5.45	5.44	5.43	5.42
18.9875	5.40	5.39	5.38	5.37	5.35
19.0500	5.34	5.33	5.32	5.31	5.29
19.1125	5.28	5.27	5.26	5.25	5.23
19.1750	5.22	5.21	5.20	5.19	5.18
19.2375	5.17	5.15	5.14	5.13	5.12
19.3000	5.11	5.10	5.09	5.07	5.06
19.3625	5.05	5.04	5.03	5.02	5.01
19.4250	5.00	4.99	4.98	4.97	4.95
19.4875	4.94	4.93	4.92	4.91	4.90
19.5500	4.89	4.88	4.87	4.86	4.85
19.6125	4.84	4.83	4.82	4.81	4.80
19.6750	4.79	4.78	4.77	4.76	4.75
19.7375	4.74	4.73	4.72	4.71	4.70
19.8000	4.69	4.68	4.67	4.66	4.65
19.8625	4.64	4.63	4.62	4.61	4.60
19.9250	4.59	4.58	4.57	4.57	4.56
19.9875	4.55	4.54	4.53	4.52	4.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.0500	4.50	4.49	4.48	4.47	4.46
20.1125	4.45	4.44	4.43	4.42	4.41
20.1750	4.40	4.39	4.38	4.37	4.36
20.2375	4.35	4.34	4.34	4.33	4.32
20.3000	4.31	4.30	4.29	4.28	4.27
20.3625	4.26	4.25	4.25	4.24	4.23
20.4250	4.22	4.21	4.20	4.19	4.19
20.4875	4.18	4.17	4.16	4.15	4.14
20.5500	4.14	4.13	4.12	4.11	4.10
20.6125	4.09	4.09	4.08	4.07	4.06
20.6750	4.05	4.05	4.04	4.03	4.02
20.7375	4.01	4.01	4.00	3.99	3.98
20.8000	3.98	3.97	3.96	3.95	3.95
20.8625	3.94	3.93	3.92	3.92	3.91
20.9250	3.90	3.89	3.89	3.88	3.87
20.9875	3.87	3.86	3.85	3.84	3.84
21.0500	3.83	3.82	3.82	3.81	3.80
21.1125	3.80	3.79	3.78	3.78	3.77
21.1750	3.76	3.75	3.75	3.74	3.73
21.2375	3.73	3.72	3.71	3.70	3.70
21.3000	3.69	3.68	3.67	3.67	3.66
21.3625	3.65	3.64	3.64	3.63	3.62
21.4250	3.62	3.61	3.60	3.59	3.59
21.4875	3.58	3.57	3.56	3.56	3.55
21.5500	3.54	3.54	3.53	3.52	3.52
21.6125	3.51	3.50	3.50	3.49	3.48
21.6750	3.48	3.47	3.46	3.46	3.45
21.7375	3.44	3.44	3.43	3.42	3.42
21.8000	3.41	3.41	3.40	3.39	3.39
21.8625	3.38	3.38	3.37	3.36	3.36
21.9250	3.35	3.34	3.34	3.33	3.33
21.9875	3.32	3.31	3.31	3.30	3.30
22.0500	3.29	3.28	3.28	3.27	3.27
22.1125	3.26	3.25	3.25	3.24	3.24
22.1750	3.23	3.23	3.22	3.21	3.21
22.2375	3.20	3.20	3.19	3.19	3.18
22.3000	3.17	3.17	3.16	3.16	3.15
22.3625	3.15	3.14	3.14	3.13	3.12
22.4250	3.12	3.11	3.11	3.10	3.10
22.4875	3.09	3.09	3.08	3.08	3.07
22.5500	3.07	3.06	3.06	3.05	3.05
22.6125	3.04	3.04	3.03	3.03	3.02
22.6750	3.02	3.01	3.01	3.00	3.00
22.7375	2.99	2.99	2.98	2.98	2.97
22.8000	2.97	2.96	2.96	2.95	2.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.8625	2.94	2.93	2.93	2.92	2.92
22.9250	2.91	2.91	2.90	2.90	2.89
22.9875	2.89	2.88	2.88	2.87	2.87
23.0500	2.86	2.86	2.85	2.84	2.84
23.1125	2.83	2.83	2.82	2.82	2.81
23.1750	2.81	2.80	2.80	2.79	2.79
23.2375	2.78	2.78	2.77	2.77	2.76
23.3000	2.76	2.75	2.75	2.74	2.74
23.3625	2.73	2.73	2.73	2.72	2.72
23.4250	2.71	2.71	2.70	2.70	2.69
23.4875	2.69	2.68	2.68	2.67	2.67
23.5500	2.67	2.66	2.66	2.65	2.65
23.6125	2.64	2.64	2.63	2.63	2.62
23.6750	2.62	2.61	2.61	2.60	2.60
23.7375	2.60	2.59	2.59	2.58	2.58
23.8000	2.57	2.57	2.57	2.56	2.56
23.8625	2.55	2.55	2.54	2.54	2.53
23.9250	2.53	2.52	2.52	2.52	2.51
23.9875	2.51	2.50	2.49	2.49	2.47
24.0500	2.46	2.44	2.41	2.38	2.34
24.1125	2.30	2.26	2.22	2.18	2.13
24.1750	2.09	2.05	2.01	1.98	1.95
24.2375	1.91	1.89	1.86	1.84	1.82
24.3000	1.79	1.77	1.75	1.74	1.72
24.3625	1.70	1.68	1.66	1.64	1.63
24.4250	1.61	1.59	1.57	1.55	1.54
24.4875	1.52	1.50	1.48	1.47	1.45
24.5500	1.43	1.42	1.40	1.39	1.37
24.6125	1.35	1.34	1.32	1.31	1.29
24.6750	1.28	1.26	1.25	1.23	1.22
24.7375	1.20	1.19	1.18	1.16	1.15
24.8000	1.13	1.11	1.10	1.08	1.07
24.8625	1.05	1.03	1.02	1.00	.99
24.9250	.97	.96	.95	.93	.92
24.9875	.90	.89	.88	.86	.85
25.0500	.84	.83	.81	.80	.79
25.1125	.78	.77	.76	.74	.73
25.1750	.72	.70	.69	.68	.66
25.2375	.65	.64	.63	.62	.60
25.3000	.59	.58	.57	.56	.55
25.3625	.54	.53	.52	.51	.50
25.4250	.49	.48	.47	.46	.45
25.4875	.45	.44	.43	.42	.41
25.5500	.39	.38	.37	.36	.35
25.6125	.34	.33	.32	.31	.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
25.6750	.30	.29	.28	.27	.26
25.7375	.26	.25	.24	.23	.23
25.8000	.22	.22	.21	.20	.20
25.8625	.19	.19	.18	.17	.17
25.9250	.16	.15	.14	.14	.13
25.9875	.13	.12	.11	.11	.10
26.0500	.10	.10	.09	.09	.08
26.1125	.08	.08	.07	.07	.07
26.1750	.06	.06	.06	.05	.05
26.2375	.05	.05	.05	.04	.04
26.3000	.04	.04	.04	.03	.03
26.3625	.03	.03	.03	.02	.02
26.4250	.02	.02	.02	.02	.01
26.4875	.01	.01	.01	.01	.01
26.5500	.01	.01	.01	.01	.01
26.6125	.01	.01	.01	.01	.00
26.6750	.00	.00	.00	.00	.00
26.7375	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL AA

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
DB AA OUTLET      DB AA          IN            work_pad.hyg  DB AA OUTLET  10
REACH AA-1        D.A. AA-1     work_pad.hyg  D.A. AA-1     10
=====

```

INFLOWS TO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  DB AA OUTLET  10           657194        12.8625      33.37
work_pad.hyg  D.A. AA-1    10           316276        12.1750      75.93

```

TOTAL FLOW INTO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  OUTFALL AA   10           973470        12.2000      95.84

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL AA

HYG Tag = 10

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Peak Discharge =      95.84 cfs
Time to Peak   =      12.2000 hrs
HYG Volume     =      973470 cu.ft
-----

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HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs					
7.8625	.00	.00	.00	.00	.00
7.9250	.01	.01	.01	.01	.02
7.9875	.02	.02	.02	.03	.03
8.0500	.04	.04	.04	.05	.05
8.1125	.06	.06	.07	.07	.08
8.1750	.08	.09	.09	.10	.10
8.2375	.11	.11	.12	.12	.13
8.3000	.14	.14	.15	.15	.16
8.3625	.17	.17	.18	.18	.19
8.4250	.20	.20	.21	.22	.22
8.4875	.23	.24	.25	.25	.26
8.5500	.27	.28	.28	.29	.30
8.6125	.31	.31	.32	.33	.34
8.6750	.35	.35	.36	.37	.38
8.7375	.39	.40	.40	.41	.42
8.8000	.43	.44	.45	.46	.47
8.8625	.48	.49	.49	.50	.51
8.9250	.52	.53	.54	.55	.56
8.9875	.57	.58	.59	.60	.61
9.0500	.62	.63	.64	.66	.67
9.1125	.68	.69	.70	.71	.72
9.1750	.73	.74	.75	.77	.78
9.2375	.79	.80	.81	.82	.84
9.3000	.85	.86	.87	.88	.90
9.3625	.91	.92	.93	.95	.96
9.4250	.97	.98	1.00	1.01	1.02
9.4875	1.04	1.05	1.06	1.08	1.09
9.5500	1.10	1.12	1.13	1.14	1.16
9.6125	1.17	1.18	1.20	1.21	1.23
9.6750	1.24	1.25	1.27	1.28	1.30
9.7375	1.31	1.33	1.34	1.36	1.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.8000	1.39	1.40	1.42	1.43	1.45
9.8625	1.46	1.48	1.49	1.51	1.52
9.9250	1.54	1.55	1.57	1.59	1.60
9.9875	1.62	1.63	1.65	1.67	1.68
10.0500	1.70	1.72	1.73	1.75	1.77
10.1125	1.79	1.81	1.83	1.84	1.86
10.1750	1.88	1.91	1.93	1.95	1.97
10.2375	1.99	2.02	2.04	2.06	2.08
10.3000	2.11	2.13	2.16	2.18	2.21
10.3625	2.23	2.26	2.28	2.31	2.34
10.4250	2.36	2.39	2.42	2.44	2.47
10.4875	2.50	2.52	2.55	2.58	2.61
10.5500	2.63	2.66	2.69	2.72	2.75
10.6125	2.78	2.81	2.84	2.87	2.90
10.6750	2.93	2.96	2.99	3.02	3.05
10.7375	3.08	3.11	3.14	3.17	3.21
10.8000	3.24	3.27	3.30	3.33	3.37
10.8625	3.40	3.43	3.46	3.50	3.53
10.9250	3.56	3.60	3.63	3.67	3.70
10.9875	3.73	3.77	3.81	3.84	3.88
11.0500	3.92	3.96	4.00	4.04	4.09
11.1125	4.14	4.19	4.25	4.30	4.37
11.1750	4.43	4.50	4.57	4.64	4.72
11.2375	4.79	4.87	4.95	5.04	5.13
11.3000	5.21	5.30	5.40	5.49	5.58
11.3625	5.68	5.77	5.87	5.97	6.08
11.4250	6.18	6.28	6.39	6.49	6.60
11.4875	6.71	6.83	6.95	7.08	7.24
11.5500	7.39	7.60	7.80	8.05	8.33
11.6125	8.61	8.98	9.34	9.76	10.23
11.6750	10.71	11.29	11.87	12.52	13.20
11.7375	13.90	14.66	15.43	16.26	17.12
11.8000	18.01	18.95	20.00	21.24	22.58
11.8625	24.02	25.54	27.06	28.77	30.50
11.9250	32.35	34.43	36.51	39.21	42.00
11.9875	45.15	48.72	52.32	56.31	60.36
12.0500	64.44	68.56	72.73	76.66	80.65
12.1125	85.22	88.49	91.21	92.95	94.66
12.1750	95.44	95.76	95.84	95.06	94.26
12.2375	93.03	91.65	90.17	88.52	86.85
12.3000	85.19	83.52	81.94	80.52	79.08
12.3625	77.79	76.49	75.22	73.99	72.73
12.4250	71.55	70.35	69.17	68.01	66.84
12.4875	65.66	64.48	63.31	62.17	61.02
12.5500	59.95	58.87	57.84	56.82	55.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6125	54.89	53.96	53.13	52.35	51.60
12.6750	50.99	50.52	50.12	49.72	49.35
12.7375	49.04	48.71	48.44	48.17	47.92
12.8000	47.68	47.44	47.22	47.00	46.79
12.8625	46.59	46.38	46.18	45.97	45.77
12.9250	45.57	45.36	45.16	44.95	44.74
12.9875	44.53	44.31	44.10	43.88	43.67
13.0500	43.46	43.25	43.04	42.83	42.62
13.1125	42.41	42.21	42.01	41.81	41.62
13.1750	41.44	41.25	41.14	41.03	40.94
13.2375	40.85	40.76	40.68	40.60	40.52
13.3000	40.44	40.37	40.29	40.22	40.15
13.3625	40.08	40.00	39.93	39.86	39.79
13.4250	39.72	39.65	39.58	39.51	39.44
13.4875	39.37	39.30	39.23	39.16	39.09
13.5500	39.02	38.95	38.88	38.81	38.74
13.6125	38.67	38.60	38.53	38.46	38.39
13.6750	38.32	38.24	38.17	38.10	38.03
13.7375	37.96	37.88	37.81	37.74	37.67
13.8000	37.59	37.52	37.44	37.37	37.30
13.8625	37.22	37.15	37.07	37.00	36.92
13.9250	36.84	36.77	36.69	36.62	36.54
13.9875	36.46	36.39	36.31	36.23	36.16
14.0500	36.08	36.00	35.93	35.85	35.78
14.1125	35.70	35.63	35.56	35.49	35.42
14.1750	35.35	35.28	35.21	35.14	35.08
14.2375	35.01	34.95	34.88	34.82	34.75
14.3000	34.69	34.62	34.56	34.50	34.43
14.3625	34.37	34.31	34.24	34.18	34.12
14.4250	34.05	33.99	33.93	33.87	33.80
14.4875	33.74	33.67	33.61	33.55	33.48
14.5500	33.42	33.36	33.29	33.23	33.17
14.6125	33.10	33.04	32.98	32.91	32.85
14.6750	32.78	32.72	32.66	32.59	32.53
14.7375	32.46	32.40	32.33	32.27	32.20
14.8000	32.14	32.07	32.01	31.94	31.88
14.8625	31.81	31.74	31.68	31.61	31.55
14.9250	31.48	31.42	31.35	31.28	31.22
14.9875	31.15	31.08	31.02	30.95	30.89
15.0500	30.82	30.75	30.69	30.62	30.55
15.1125	30.48	30.42	30.35	30.28	30.21
15.1750	30.15	30.08	30.01	29.94	29.87
15.2375	29.81	29.74	29.67	29.60	29.53
15.3000	29.47	29.40	29.33	29.26	29.19
15.3625	29.12	29.05	28.98	28.91	28.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.4250	28.78	28.71	28.64	28.57	28.50
15.4875	28.43	28.36	28.29	28.22	28.15
15.5500	28.08	28.01	27.94	27.87	27.79
15.6125	27.72	27.65	27.58	27.51	27.44
15.6750	27.37	27.30	27.23	27.15	27.08
15.7375	27.01	26.94	26.87	26.79	26.72
15.8000	26.65	26.58	26.51	26.43	26.36
15.8625	26.29	26.22	26.14	26.07	26.00
15.9250	25.92	25.85	25.78	25.70	25.63
15.9875	25.56	25.48	25.41	25.34	25.26
16.0500	25.19	25.12	25.05	24.98	24.90
16.1125	24.83	24.76	24.69	24.62	24.55
16.1750	24.48	24.41	24.34	24.28	24.21
16.2375	24.14	24.07	24.01	23.94	23.87
16.3000	23.81	23.74	23.67	23.61	23.54
16.3625	23.48	23.41	23.35	23.28	23.22
16.4250	23.15	23.08	23.02	22.95	22.89
16.4875	22.82	22.76	22.69	22.63	22.56
16.5500	22.50	22.43	22.37	22.30	22.24
16.6125	22.17	22.10	22.04	21.98	21.91
16.6750	21.84	21.78	21.71	21.65	21.58
16.7375	21.52	21.45	21.39	21.32	21.26
16.8000	21.19	21.13	21.06	20.99	20.93
16.8625	20.86	20.80	20.73	20.67	20.60
16.9250	20.54	20.47	20.41	20.34	20.28
16.9875	20.21	20.15	20.08	20.01	19.95
17.0500	19.88	19.82	19.75	19.69	19.62
17.1125	19.56	19.50	19.43	19.36	19.30
17.1750	19.23	19.17	19.10	19.03	18.97
17.2375	18.90	18.84	18.77	18.71	18.65
17.3000	18.57	18.39	18.21	18.03	17.85
17.3625	17.68	17.51	17.34	17.18	17.02
17.4250	16.86	16.70	16.54	16.39	16.24
17.4875	16.09	15.98	15.91	15.83	15.76
17.5500	15.69	15.62	15.55	15.48	15.41
17.6125	15.34	15.27	15.20	15.13	15.06
17.6750	14.99	14.93	14.86	14.79	14.72
17.7375	14.66	14.60	14.53	14.47	14.40
17.8000	14.34	14.28	14.21	14.15	14.09
17.8625	14.03	13.97	13.90	13.84	13.78
17.9250	13.72	13.66	13.60	13.54	13.49
17.9875	13.43	13.37	13.31	13.25	13.19
18.0500	13.14	13.08	13.02	12.97	12.91
18.1125	12.86	12.80	12.75	12.70	12.64
18.1750	12.59	12.54	12.49	12.44	12.39

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
18.2375	12.34	12.29	12.25	12.20	12.15
18.3000	12.11	12.06	12.01	11.97	11.92
18.3625	11.88	11.84	11.79	11.75	11.71
18.4250	11.66	11.62	11.58	11.54	11.49
18.4875	11.45	11.41	11.37	11.33	11.29
18.5500	11.25	11.21	11.17	11.13	11.09
18.6125	11.05	11.01	10.98	10.94	10.90
18.6750	10.87	10.83	10.79	10.76	10.72
18.7375	10.69	10.65	10.62	10.58	10.55
18.8000	10.51	10.48	10.45	10.41	10.38
18.8625	10.35	10.31	10.28	10.25	10.21
18.9250	10.18	10.15	10.12	10.08	10.05
18.9875	10.02	9.99	9.96	9.93	9.90
19.0500	9.87	9.84	9.81	9.78	9.75
19.1125	9.72	9.69	9.66	9.63	9.61
19.1750	9.58	9.55	9.52	9.49	9.47
19.2375	9.44	9.41	9.38	9.36	9.33
19.3000	9.30	9.27	9.25	9.22	9.20
19.3625	9.17	9.14	9.12	9.09	9.07
19.4250	9.04	9.01	8.99	8.96	8.94
19.4875	8.91	8.89	8.86	8.84	8.82
19.5500	8.79	8.77	8.75	8.73	8.70
19.6125	8.68	8.66	8.64	8.61	8.59
19.6750	8.57	8.55	8.53	8.50	8.48
19.7375	8.46	8.44	8.42	8.40	8.38
19.8000	8.35	8.33	8.31	8.29	8.27
19.8625	8.25	8.23	8.21	8.19	8.17
19.9250	8.15	8.13	8.11	8.09	8.07
19.9875	8.05	8.03	8.01	7.99	7.97
20.0500	7.95	7.93	7.91	7.89	7.88
20.1125	7.86	7.84	7.82	7.80	7.78
20.1750	7.76	7.75	7.73	7.71	7.70
20.2375	7.68	7.66	7.65	7.63	7.61
20.3000	7.60	7.58	7.56	7.54	7.53
20.3625	7.51	7.49	7.48	7.46	7.44
20.4250	7.43	7.41	7.40	7.38	7.36
20.4875	7.35	7.33	7.32	7.30	7.29
20.5500	7.27	7.26	7.24	7.23	7.21
20.6125	7.20	7.18	7.17	7.15	7.14
20.6750	7.12	7.11	7.09	7.08	7.06
20.7375	7.05	7.03	7.02	7.00	6.99
20.8000	6.97	6.96	6.95	6.93	6.92
20.8625	6.90	6.89	6.88	6.86	6.85
20.9250	6.83	6.82	6.81	6.79	6.78
20.9875	6.77	6.76	6.74	6.73	6.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0500	6.71	6.70	6.68	6.67	6.66
21.1125	6.65	6.64	6.62	6.61	6.60
21.1750	6.59	6.58	6.56	6.55	6.54
21.2375	6.53	6.52	6.50	6.49	6.48
21.3000	6.47	6.46	6.45	6.44	6.42
21.3625	6.41	6.40	6.39	6.38	6.37
21.4250	6.36	6.35	6.33	6.32	6.31
21.4875	6.30	6.29	6.28	6.27	6.25
21.5500	6.24	6.23	6.22	6.21	6.20
21.6125	6.19	6.18	6.17	6.16	6.15
21.6750	6.14	6.13	6.12	6.11	6.10
21.7375	6.09	6.08	6.06	6.05	6.04
21.8000	6.03	6.02	6.01	6.01	6.00
21.8625	5.99	5.98	5.97	5.96	5.95
21.9250	5.94	5.93	5.92	5.90	5.89
21.9875	5.88	5.87	5.86	5.85	5.84
22.0500	5.83	5.82	5.81	5.81	5.80
22.1125	5.79	5.78	5.77	5.76	5.75
22.1750	5.74	5.73	5.72	5.71	5.70
22.2375	5.69	5.68	5.67	5.66	5.65
22.3000	5.64	5.63	5.62	5.61	5.60
22.3625	5.59	5.58	5.57	5.56	5.55
22.4250	5.54	5.53	5.52	5.52	5.51
22.4875	5.50	5.49	5.48	5.47	5.46
22.5500	5.45	5.44	5.43	5.42	5.41
22.6125	5.41	5.40	5.39	5.38	5.37
22.6750	5.36	5.35	5.35	5.34	5.33
22.7375	5.32	5.31	5.30	5.29	5.28
22.8000	5.27	5.26	5.25	5.25	5.24
22.8625	5.23	5.22	5.21	5.20	5.19
22.9250	5.19	5.18	5.17	5.16	5.15
22.9875	5.14	5.14	5.13	5.12	5.11
23.0500	5.10	5.09	5.08	5.08	5.07
23.1125	5.06	5.05	5.04	5.03	5.02
23.1750	5.02	5.01	5.00	4.99	4.98
23.2375	4.98	4.97	4.96	4.95	4.94
23.3000	4.94	4.93	4.92	4.91	4.90
23.3625	4.90	4.89	4.88	4.87	4.86
23.4250	4.86	4.85	4.84	4.83	4.83
23.4875	4.82	4.81	4.80	4.79	4.78
23.5500	4.78	4.77	4.76	4.75	4.74
23.6125	4.73	4.72	4.72	4.71	4.70
23.6750	4.69	4.68	4.67	4.67	4.66
23.7375	4.65	4.64	4.63	4.62	4.62
23.8000	4.61	4.60	4.59	4.58	4.58

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.8625	4.57	4.56	4.55	4.54	4.53
23.9250	4.53	4.52	4.51	4.50	4.49
23.9875	4.48	4.47	4.46	4.45	4.42
24.0500	4.39	4.36	4.31	4.25	4.19
24.1125	4.12	4.04	3.96	3.89	3.81
24.1750	3.73	3.66	3.60	3.53	3.48
24.2375	3.42	3.38	3.34	3.30	3.26
24.3000	3.23	3.19	3.16	3.13	3.11
24.3625	3.08	3.05	3.03	3.01	2.98
24.4250	2.96	2.94	2.91	2.89	2.87
24.4875	2.85	2.82	2.80	2.78	2.75
24.5500	2.73	2.71	2.68	2.66	2.64
24.6125	2.62	2.60	2.57	2.55	2.53
24.6750	2.51	2.49	2.47	2.45	2.43
24.7375	2.41	2.39	2.37	2.35	2.33
24.8000	2.31	2.29	2.27	2.25	2.23
24.8625	2.21	2.19	2.17	2.15	2.13
24.9250	2.11	2.09	2.07	2.05	2.03
24.9875	2.01	1.99	1.97	1.95	1.93
25.0500	1.91	1.89	1.87	1.85	1.84
25.1125	1.82	1.80	1.78	1.76	1.75
25.1750	1.73	1.71	1.70	1.68	1.66
25.2375	1.65	1.63	1.61	1.59	1.57
25.3000	1.55	1.53	1.52	1.50	1.48
25.3625	1.46	1.44	1.43	1.41	1.39
25.4250	1.38	1.36	1.35	1.33	1.31
25.4875	1.30	1.28	1.27	1.25	1.24
25.5500	1.22	1.21	1.19	1.18	1.17
25.6125	1.15	1.13	1.12	1.10	1.08
25.6750	1.07	1.05	1.04	1.02	1.01
25.7375	.99	.98	.96	.95	.93
25.8000	.92	.91	.89	.88	.87
25.8625	.85	.84	.83	.82	.80
25.9250	.79	.78	.77	.76	.75
25.9875	.73	.72	.71	.69	.68
26.0500	.67	.65	.64	.63	.62
26.1125	.61	.59	.58	.57	.56
26.1750	.55	.54	.53	.52	.51
26.2375	.50	.49	.48	.47	.46
26.3000	.46	.45	.44	.43	.42
26.3625	.41	.40	.38	.37	.36
26.4250	.35	.34	.33	.32	.31
26.4875	.31	.30	.29	.28	.27
26.5500	.26	.26	.25	.24	.24
26.6125	.23	.22	.22	.21	.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
26.6750	.20	.19	.19	.18	.18
26.7375	.17	.16	.15	.15	.14
26.8000	.13	.13	.12	.12	.11
26.8625	.11	.10	.10	.09	.09
26.9250	.08	.08	.08	.07	.07
26.9875	.07	.06	.06	.06	.06
27.0500	.05	.05	.05	.05	.04
27.1125	.04	.04	.04	.04	.03
27.1750	.03	.03	.03	.03	.02
27.2375	.02	.02	.02	.02	.02
27.3000	.02	.01	.01	.01	.01
27.3625	.01	.01	.01	.01	.01
27.4250	.01	.01	.01	.01	.01
27.4875	.00	.00	.00	.00	.00
27.5500	.00	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL AA

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
DB AA OUTLET      DB AA          IN  work_pad.hyg  DB AA OUTLET  25
REACH AA-1        D.A. AA-1     work_pad.hyg  D.A. AA-1    25
=====

```

INFLOWS TO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  DB AA OUTLET  25           839182        12.6375      73.50
work_pad.hyg  D.A. AA-1    25           406887        12.1625      97.54

```

TOTAL FLOW INTO: OUTFALL AA

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  OUTFALL AA   25           1246068       12.1875     122.71

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL AA

HYG Tag = 25

 Peak Discharge = 122.71 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 1246068 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.1375	.00	.00	.00	.00	.00
7.2000	.01	.01	.01	.01	.01
7.2625	.02	.02	.02	.03	.03
7.3250	.04	.04	.04	.05	.05
7.3875	.06	.06	.07	.07	.08
7.4500	.08	.09	.09	.10	.10
7.5125	.11	.11	.12	.12	.13
7.5750	.13	.14	.14	.15	.16
7.6375	.16	.17	.17	.18	.18
7.7000	.19	.20	.20	.21	.21
7.7625	.22	.22	.23	.24	.24
7.8250	.25	.26	.26	.27	.27
7.8875	.28	.29	.29	.30	.31
7.9500	.31	.32	.33	.33	.34
8.0125	.34	.35	.36	.36	.37
8.0750	.38	.39	.39	.40	.41
8.1375	.41	.42	.43	.44	.45
8.2000	.45	.46	.47	.48	.49
8.2625	.50	.51	.51	.52	.53
8.3250	.54	.55	.56	.57	.58
8.3875	.59	.60	.61	.62	.63
8.4500	.64	.65	.66	.67	.68
8.5125	.69	.70	.71	.72	.74
8.5750	.75	.76	.77	.78	.79
8.6375	.80	.82	.83	.84	.85
8.7000	.86	.88	.89	.90	.91
8.7625	.93	.94	.95	.96	.98
8.8250	.99	1.00	1.02	1.03	1.04
8.8875	1.06	1.07	1.08	1.10	1.11
8.9500	1.12	1.14	1.15	1.17	1.18
9.0125	1.20	1.21	1.22	1.24	1.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.0750	1.27	1.28	1.30	1.31	1.33
9.1375	1.34	1.36	1.37	1.39	1.41
9.2000	1.42	1.44	1.45	1.47	1.48
9.2625	1.50	1.52	1.53	1.55	1.57
9.3250	1.58	1.60	1.62	1.63	1.65
9.3875	1.67	1.68	1.70	1.72	1.74
9.4500	1.75	1.77	1.79	1.81	1.83
9.5125	1.84	1.86	1.88	1.90	1.92
9.5750	1.93	1.95	1.97	1.99	2.01
9.6375	2.03	2.05	2.06	2.08	2.10
9.7000	2.12	2.14	2.16	2.18	2.20
9.7625	2.22	2.24	2.26	2.28	2.30
9.8250	2.32	2.34	2.36	2.38	2.40
9.8875	2.42	2.44	2.46	2.48	2.50
9.9500	2.52	2.54	2.57	2.59	2.61
10.0125	2.63	2.65	2.67	2.70	2.72
10.0750	2.74	2.76	2.79	2.81	2.84
10.1375	2.86	2.89	2.91	2.94	2.97
10.2000	3.00	3.03	3.06	3.09	3.12
10.2625	3.15	3.18	3.21	3.24	3.28
10.3250	3.31	3.34	3.38	3.41	3.45
10.3875	3.48	3.52	3.55	3.59	3.62
10.4500	3.66	3.69	3.73	3.77	3.80
10.5125	3.84	3.88	3.91	3.95	3.99
10.5750	4.03	4.06	4.10	4.14	4.18
10.6375	4.22	4.26	4.30	4.34	4.38
10.7000	4.42	4.46	4.50	4.54	4.58
10.7625	4.62	4.66	4.70	4.75	4.79
10.8250	4.83	4.87	4.91	4.96	5.00
10.8875	5.04	5.09	5.13	5.17	5.22
10.9500	5.26	5.30	5.35	5.39	5.44
11.0125	5.48	5.53	5.58	5.63	5.68
11.0750	5.74	5.80	5.86	5.93	6.00
11.1375	6.07	6.14	6.22	6.31	6.40
11.2000	6.49	6.59	6.69	6.79	6.90
11.2625	7.01	7.12	7.24	7.36	7.48
11.3250	7.60	7.72	7.85	7.97	8.10
11.3875	8.23	8.37	8.50	8.64	8.78
11.4500	8.91	9.07	9.33	9.64	10.01
11.5125	10.41	10.83	11.29	11.74	12.26
11.5750	12.78	13.36	13.96	14.58	15.29
11.6375	15.99	16.78	17.62	18.47	19.46
11.7000	20.46	21.55	22.68	23.85	25.11
11.7625	26.41	27.81	29.26	30.76	32.35
11.8250	33.96	35.65	37.36	39.13	40.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.8875	42.89	45.03	47.24	49.65	52.38
11.9500	55.14	58.73	62.91	67.80	72.15
12.0125	76.51	81.26	86.02	90.75	95.44
12.0750	100.11	104.38	108.66	112.31	115.55
12.1375	118.58	120.34	122.10	122.69	122.71
12.2000	122.43	121.10	119.75	117.88	115.82
12.2625	113.67	111.32	108.95	106.63	104.31
12.3250	102.10	100.68	100.17	100.47	101.04
12.3875	101.89	102.80	103.64	104.59	105.40
12.4500	106.13	106.73	107.20	107.46	107.59
12.5125	107.58	107.40	107.03	106.65	106.08
12.5750	105.40	104.59	103.66	102.69	101.60
12.6375	100.51	99.37	98.17	97.01	95.76
12.7000	94.57	93.34	92.10	90.91	89.68
12.7625	88.49	87.32	86.15	85.00	83.83
12.8250	82.71	81.57	80.46	79.37	78.32
12.8875	77.29	76.25	75.23	74.22	73.21
12.9500	72.24	71.30	70.37	69.45	68.54
13.0125	67.64	66.74	65.87	65.06	64.25
13.0750	63.45	62.66	61.89	61.12	60.37
13.1375	59.67	58.99	58.34	57.69	57.06
13.2000	56.44	55.83	55.24	54.66	54.14
13.2625	53.63	53.13	52.64	52.15	51.68
13.3250	51.21	50.74	50.29	49.90	49.51
13.3875	49.13	48.75	48.38	48.02	47.65
13.4500	47.30	46.95	46.60	46.28	46.00
13.5125	45.72	45.44	45.16	44.89	44.62
13.5750	44.35	44.08	43.82	43.55	43.29
13.6375	43.09	42.91	42.74	42.56	42.38
13.7000	42.21	42.03	41.86	41.69	41.51
13.7625	41.34	41.17	40.99	40.91	40.84
13.8250	40.76	40.68	40.61	40.53	40.45
13.8875	40.37	40.30	40.22	40.14	40.06
13.9500	39.98	39.90	39.82	39.74	39.66
14.0125	39.58	39.50	39.42	39.34	39.26
14.0750	39.18	39.11	39.03	38.95	38.88
14.1375	38.80	38.73	38.66	38.59	38.52
14.2000	38.45	38.38	38.32	38.25	38.18
14.2625	38.12	38.05	37.99	37.93	37.86
14.3250	37.80	37.73	37.67	37.61	37.55
14.3875	37.48	37.42	37.36	37.29	37.23
14.4500	37.17	37.11	37.05	36.98	36.92
14.5125	36.86	36.79	36.73	36.67	36.61
14.5750	36.54	36.48	36.42	36.35	36.29
14.6375	36.23	36.16	36.10	36.04	35.97

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.7000	35.91	35.84	35.78	35.72	35.65
14.7625	35.59	35.52	35.46	35.39	35.33
14.8250	35.26	35.20	35.13	35.07	35.00
14.8875	34.94	34.87	34.81	34.74	34.67
14.9500	34.61	34.54	34.48	34.41	34.34
15.0125	34.28	34.21	34.14	34.08	34.01
15.0750	33.94	33.88	33.81	33.74	33.67
15.1375	33.61	33.54	33.47	33.40	33.33
15.2000	33.27	33.20	33.13	33.06	32.99
15.2625	32.93	32.86	32.79	32.72	32.65
15.3250	32.58	32.51	32.44	32.37	32.31
15.3875	32.24	32.17	32.10	32.03	31.96
15.4500	31.89	31.82	31.75	31.68	31.61
15.5125	31.53	31.46	31.39	31.32	31.25
15.5750	31.18	31.11	31.03	30.96	30.89
15.6375	30.82	30.75	30.68	30.60	30.53
15.7000	30.46	30.39	30.31	30.24	30.17
15.7625	30.10	30.02	29.95	29.88	29.80
15.8250	29.73	29.66	29.58	29.51	29.44
15.8875	29.36	29.29	29.21	29.14	29.06
15.9500	28.99	28.91	28.84	28.77	28.69
16.0125	28.62	28.54	28.47	28.39	28.32
16.0750	28.24	28.17	28.10	28.03	27.95
16.1375	27.88	27.81	27.74	27.67	27.60
16.2000	27.53	27.46	27.39	27.33	27.26
16.2625	27.19	27.13	27.06	26.99	26.93
16.3250	26.86	26.80	26.73	26.67	26.60
16.3875	26.54	26.47	26.40	26.34	26.27
16.4500	26.21	26.14	26.08	26.01	25.95
16.5125	25.88	25.82	25.75	25.69	25.63
16.5750	25.56	25.50	25.43	25.37	25.30
16.6375	25.24	25.17	25.11	25.04	24.98
16.7000	24.91	24.85	24.78	24.72	24.65
16.7625	24.59	24.52	24.46	24.39	24.33
16.8250	24.26	24.19	24.13	24.06	24.00
16.8875	23.93	23.87	23.80	23.74	23.68
16.9500	23.61	23.54	23.48	23.41	23.35
17.0125	23.28	23.22	23.15	23.09	23.02
17.0750	22.96	22.89	22.82	22.76	22.69
17.1375	22.63	22.56	22.50	22.43	22.37
17.2000	22.30	22.24	22.17	22.10	22.04
17.2625	21.97	21.90	21.84	21.77	21.71
17.3250	21.64	21.58	21.51	21.45	21.38
17.3875	21.32	21.25	21.18	21.12	21.05
17.4500	20.98	20.92	20.85	20.79	20.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.5125	20.66	20.59	20.53	20.46	20.39
17.5750	20.33	20.26	20.19	20.13	20.06
17.6375	19.99	19.93	19.86	19.80	19.73
17.7000	19.67	19.60	19.53	19.46	19.40
17.7625	19.33	19.27	19.20	19.13	19.07
17.8250	19.00	18.93	18.87	18.80	18.72
17.8875	18.54	18.36	18.18	18.01	17.84
17.9500	17.67	17.50	17.34	17.17	17.01
18.0125	16.86	16.70	16.55	16.39	16.25
18.0750	16.12	16.05	15.97	15.90	15.83
18.1375	15.76	15.69	15.62	15.56	15.49
18.2000	15.42	15.36	15.29	15.23	15.16
18.2625	15.10	15.04	14.98	14.91	14.85
18.3250	14.79	14.74	14.68	14.62	14.56
18.3875	14.50	14.45	14.39	14.33	14.28
18.4500	14.22	14.17	14.11	14.06	14.01
18.5125	13.95	13.90	13.85	13.79	13.74
18.5750	13.69	13.64	13.59	13.54	13.49
18.6375	13.44	13.39	13.34	13.29	13.25
18.7000	13.20	13.15	13.10	13.05	13.01
18.7625	12.96	12.91	12.87	12.82	12.78
18.8250	12.73	12.69	12.64	12.60	12.56
18.8875	12.51	12.47	12.43	12.39	12.34
18.9500	12.30	12.26	12.22	12.18	12.14
19.0125	12.10	12.06	12.02	11.98	11.94
19.0750	11.90	11.87	11.83	11.79	11.75
19.1375	11.71	11.67	11.64	11.60	11.56
19.2000	11.53	11.49	11.45	11.42	11.38
19.2625	11.35	11.31	11.28	11.25	11.21
19.3250	11.18	11.14	11.11	11.08	11.05
19.3875	11.01	10.98	10.95	10.92	10.89
19.4500	10.85	10.82	10.79	10.76	10.73
19.5125	10.70	10.67	10.64	10.61	10.58
19.5750	10.55	10.52	10.49	10.46	10.43
19.6375	10.40	10.37	10.34	10.31	10.28
19.7000	10.25	10.23	10.20	10.17	10.14
19.7625	10.12	10.09	10.06	10.03	10.01
19.8250	9.98	9.96	9.93	9.90	9.88
19.8875	9.85	9.83	9.80	9.77	9.75
19.9500	9.72	9.70	9.67	9.65	9.62
20.0125	9.60	9.57	9.55	9.52	9.50
20.0750	9.48	9.45	9.43	9.40	9.38
20.1375	9.36	9.33	9.31	9.29	9.26
20.2000	9.24	9.22	9.20	9.18	9.15
20.2625	9.13	9.11	9.09	9.07	9.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.3250	9.03	9.01	8.99	8.97	8.95
20.3875	8.93	8.91	8.89	8.87	8.85
20.4500	8.83	8.81	8.79	8.77	8.75
20.5125	8.73	8.71	8.70	8.68	8.66
20.5750	8.64	8.62	8.60	8.58	8.57
20.6375	8.55	8.53	8.51	8.49	8.48
20.7000	8.46	8.44	8.42	8.40	8.38
20.7625	8.37	8.35	8.33	8.31	8.30
20.8250	8.28	8.26	8.25	8.23	8.21
20.8875	8.20	8.18	8.16	8.15	8.13
20.9500	8.11	8.10	8.08	8.07	8.05
21.0125	8.04	8.02	8.01	7.99	7.98
21.0750	7.96	7.94	7.93	7.91	7.90
21.1375	7.88	7.87	7.85	7.84	7.82
21.2000	7.81	7.79	7.78	7.76	7.75
21.2625	7.73	7.72	7.70	7.69	7.67
21.3250	7.66	7.65	7.63	7.62	7.60
21.3875	7.59	7.58	7.56	7.55	7.53
21.4500	7.52	7.51	7.49	7.48	7.46
21.5125	7.45	7.44	7.42	7.41	7.39
21.5750	7.38	7.37	7.35	7.34	7.33
21.6375	7.32	7.30	7.29	7.28	7.26
21.7000	7.25	7.24	7.22	7.21	7.20
21.7625	7.19	7.17	7.16	7.15	7.14
21.8250	7.12	7.11	7.10	7.09	7.08
21.8875	7.06	7.05	7.04	7.03	7.01
21.9500	7.00	6.99	6.98	6.96	6.95
22.0125	6.94	6.93	6.92	6.91	6.90
22.0750	6.88	6.87	6.86	6.85	6.84
22.1375	6.83	6.82	6.81	6.80	6.79
22.2000	6.77	6.76	6.75	6.74	6.73
22.2625	6.72	6.71	6.70	6.69	6.68
22.3250	6.66	6.65	6.64	6.63	6.62
22.3875	6.61	6.60	6.59	6.58	6.57
22.4500	6.56	6.55	6.54	6.53	6.52
22.5125	6.51	6.50	6.49	6.48	6.47
22.5750	6.46	6.45	6.44	6.43	6.42
22.6375	6.41	6.40	6.39	6.38	6.37
22.7000	6.36	6.35	6.34	6.33	6.32
22.7625	6.31	6.30	6.29	6.28	6.27
22.8250	6.26	6.25	6.24	6.23	6.22
22.8875	6.21	6.20	6.19	6.18	6.17
22.9500	6.16	6.15	6.14	6.13	6.12
23.0125	6.11	6.10	6.09	6.08	6.07
23.0750	6.06	6.05	6.04	6.03	6.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.1375	6.01	6.00	5.99	5.98	5.98
23.2000	5.97	5.96	5.95	5.94	5.93
23.2625	5.92	5.91	5.90	5.89	5.88
23.3250	5.87	5.86	5.85	5.85	5.84
23.3875	5.83	5.82	5.81	5.80	5.79
23.4500	5.78	5.77	5.76	5.76	5.75
23.5125	5.74	5.73	5.72	5.71	5.70
23.5750	5.69	5.68	5.67	5.66	5.65
23.6375	5.64	5.63	5.62	5.61	5.60
23.7000	5.60	5.59	5.58	5.57	5.56
23.7625	5.55	5.54	5.53	5.52	5.52
23.8250	5.51	5.50	5.49	5.48	5.47
23.8875	5.46	5.45	5.44	5.43	5.42
23.9500	5.41	5.40	5.40	5.39	5.37
24.0125	5.36	5.34	5.31	5.28	5.23
24.0750	5.17	5.11	5.03	4.94	4.85
24.1375	4.76	4.67	4.57	4.48	4.40
24.2000	4.32	4.24	4.18	4.11	4.06
24.2625	4.01	3.96	3.92	3.88	3.84
24.3250	3.81	3.77	3.74	3.71	3.68
24.3875	3.65	3.63	3.60	3.57	3.55
24.4500	3.52	3.49	3.47	3.44	3.42
24.5125	3.39	3.37	3.34	3.32	3.30
24.5750	3.27	3.25	3.23	3.20	3.18
24.6375	3.16	3.14	3.11	3.09	3.07
24.7000	3.05	3.03	3.00	2.98	2.96
24.7625	2.94	2.92	2.90	2.88	2.86
24.8250	2.84	2.81	2.79	2.77	2.74
24.8875	2.72	2.70	2.68	2.65	2.63
24.9500	2.61	2.59	2.56	2.54	2.52
25.0125	2.50	2.48	2.46	2.44	2.42
25.0750	2.40	2.38	2.36	2.34	2.32
25.1375	2.30	2.28	2.26	2.24	2.22
25.2000	2.20	2.18	2.16	2.14	2.12
25.2625	2.10	2.07	2.05	2.03	2.01
25.3250	1.99	1.97	1.96	1.94	1.92
25.3875	1.90	1.88	1.86	1.84	1.82
25.4500	1.81	1.79	1.77	1.75	1.74
25.5125	1.72	1.70	1.69	1.67	1.65
25.5750	1.64	1.62	1.60	1.58	1.56
25.6375	1.54	1.52	1.50	1.49	1.47
25.7000	1.45	1.43	1.42	1.40	1.38
25.7625	1.37	1.35	1.34	1.32	1.30
25.8250	1.29	1.27	1.26	1.24	1.23
25.8875	1.21	1.20	1.19	1.17	1.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
25.9500	1.14	1.12	1.11	1.09	1.07
26.0125	1.06	1.04	1.03	1.01	1.00
26.0750	.98	.97	.95	.94	.93
26.1375	.91	.90	.89	.87	.86
26.2000	.85	.83	.82	.81	.80
26.2625	.79	.77	.76	.75	.74
26.3250	.72	.71	.70	.68	.67
26.3875	.66	.65	.63	.62	.61
26.4500	.60	.59	.58	.57	.55
26.5125	.54	.53	.52	.51	.50
26.5750	.49	.49	.48	.47	.46
26.6375	.45	.44	.43	.42	.41
26.7000	.40	.39	.38	.37	.36
26.7625	.35	.34	.33	.32	.31
26.8250	.30	.29	.28	.28	.27
26.8875	.26	.25	.25	.24	.23
26.9500	.23	.22	.21	.21	.20
27.0125	.20	.19	.18	.18	.17
27.0750	.16	.16	.15	.14	.14
27.1375	.13	.12	.12	.11	.11
27.2000	.10	.10	.09	.09	.09
27.2625	.08	.08	.07	.07	.07
27.3250	.06	.06	.06	.06	.05
27.3875	.05	.05	.05	.04	.04
27.4500	.04	.04	.04	.04	.03
27.5125	.03	.03	.03	.02	.02
27.5750	.02	.02	.02	.02	.02
27.6375	.01	.01	.01	.01	.01
27.7000	.01	.01	.01	.01	.01
27.7625	.01	.01	.01	.01	.00
27.8250	.00	.00	.00	.00	.00
27.8875	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL AA

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
DB AA OUTLET      DB AA          IN  work_pad.hyg  DB AA OUTLET  50
REACH AA-1        D.A. AA-1     work_pad.hyg  D.A. AA-1     50
=====

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INFLOWS TO: OUTFALL AA

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----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  DB AA OUTLET  50           930482        12.5875      94.90
work_pad.hyg  D.A. AA-1    50           453248        12.1625      108.49

```

TOTAL FLOW INTO: OUTFALL AA

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----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag      cu.ft         hrs           cfs
-----
work_pad.hyg  OUTFALL AA   50           1383730       12.4750      138.92

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL AA

HYG Tag = 50

 Peak Discharge = 138.92 cfs
 Time to Peak = 12.4750 hrs
 HYG Volume = 1383730 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
6.8125	.00	.00	.00	.00	.00
6.8750	.01	.01	.01	.01	.01
6.9375	.02	.02	.02	.03	.03
7.0000	.03	.04	.04	.05	.05
7.0625	.06	.06	.06	.07	.07
7.1250	.08	.08	.09	.09	.10
7.1875	.10	.11	.12	.12	.13
7.2500	.13	.14	.14	.15	.15
7.3125	.16	.16	.17	.18	.18
7.3750	.19	.19	.20	.21	.21
7.4375	.22	.22	.23	.24	.24
7.5000	.25	.25	.26	.27	.27
7.5625	.28	.29	.29	.30	.31
7.6250	.31	.32	.33	.33	.34
7.6875	.35	.35	.36	.37	.37
7.7500	.38	.39	.39	.40	.41
7.8125	.42	.42	.43	.44	.44
7.8750	.45	.46	.47	.47	.48
7.9375	.49	.50	.50	.51	.52
8.0000	.53	.53	.54	.55	.56
8.0625	.56	.57	.58	.59	.60
8.1250	.61	.61	.62	.63	.64
8.1875	.65	.66	.67	.68	.69
8.2500	.70	.71	.72	.73	.74
8.3125	.75	.77	.78	.79	.80
8.3750	.81	.82	.83	.85	.86
8.4375	.87	.88	.89	.91	.92
8.5000	.93	.94	.96	.97	.98
8.5625	.99	1.01	1.02	1.03	1.05
8.6250	1.06	1.07	1.09	1.10	1.12
8.6875	1.13	1.14	1.16	1.17	1.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.7500	1.20	1.22	1.23	1.25	1.26
8.8125	1.28	1.29	1.31	1.32	1.34
8.8750	1.35	1.37	1.38	1.40	1.41
8.9375	1.43	1.45	1.46	1.48	1.50
9.0000	1.51	1.53	1.55	1.56	1.58
9.0625	1.60	1.61	1.63	1.65	1.66
9.1250	1.68	1.70	1.72	1.73	1.75
9.1875	1.77	1.79	1.81	1.82	1.84
9.2500	1.86	1.88	1.90	1.92	1.94
9.3125	1.95	1.97	1.99	2.01	2.03
9.3750	2.05	2.07	2.09	2.11	2.13
9.4375	2.15	2.17	2.19	2.21	2.23
9.5000	2.25	2.27	2.29	2.31	2.33
9.5625	2.35	2.37	2.39	2.41	2.44
9.6250	2.46	2.48	2.50	2.52	2.54
9.6875	2.56	2.59	2.61	2.63	2.65
9.7500	2.67	2.70	2.72	2.74	2.76
9.8125	2.79	2.81	2.83	2.85	2.88
9.8750	2.90	2.92	2.95	2.97	2.99
9.9375	3.02	3.04	3.06	3.09	3.11
10.0000	3.13	3.16	3.18	3.21	3.23
10.0625	3.26	3.28	3.31	3.33	3.36
10.1250	3.39	3.42	3.45	3.48	3.51
10.1875	3.54	3.57	3.61	3.64	3.67
10.2500	3.71	3.74	3.78	3.82	3.85
10.3125	3.89	3.93	3.97	4.00	4.04
10.3750	4.08	4.12	4.16	4.20	4.24
10.4375	4.28	4.32	4.36	4.40	4.44
10.5000	4.48	4.52	4.57	4.61	4.65
10.5625	4.69	4.74	4.78	4.82	4.87
10.6250	4.91	4.95	5.00	5.04	5.09
10.6875	5.13	5.18	5.22	5.27	5.31
10.7500	5.36	5.41	5.45	5.50	5.54
10.8125	5.59	5.64	5.69	5.73	5.78
10.8750	5.83	5.88	5.92	5.97	6.02
10.9375	6.07	6.12	6.17	6.22	6.27
11.0000	6.32	6.37	6.42	6.48	6.53
11.0625	6.59	6.66	6.72	6.79	6.86
11.1250	6.94	7.02	7.11	7.20	7.29
11.1875	7.40	7.50	7.61	7.73	7.86
11.2500	8.07	8.36	8.67	9.00	9.35
11.3125	9.72	10.08	10.44	10.80	11.15
11.3750	11.52	11.86	12.21	12.57	12.91
11.4375	13.24	13.58	13.91	14.24	14.57
11.5000	14.91	15.26	15.63	16.03	16.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.5625	16.90	17.38	17.93	18.55	19.17
11.6250	19.92	20.68	21.53	22.46	23.41
11.6875	24.52	25.65	26.90	28.20	29.54
11.7500	31.00	32.47	34.05	35.71	37.41
11.8125	39.22	41.05	42.94	44.88	46.86
11.8750	48.96	51.07	53.95	57.08	59.67
11.9375	62.45	65.23	68.90	72.65	76.84
12.0000	81.56	86.30	91.46	96.63	101.75
12.0625	106.83	111.89	116.49	121.10	125.01
12.1250	128.46	131.68	133.49	135.30	135.81
12.1875	135.70	135.27	133.67	132.05	129.86
12.2500	127.48	124.99	123.01	122.55	123.07
12.3125	124.06	125.43	127.16	128.85	130.67
12.3750	132.34	133.87	135.26	136.34	137.36
12.4375	138.08	138.60	138.90	138.92	138.72
12.5000	138.27	137.63	136.80	135.76	134.63
12.5625	133.31	131.87	130.30	128.60	126.88
12.6250	125.03	123.21	121.34	119.42	117.56
12.6875	115.61	113.73	111.85	110.00	108.22
12.7500	106.41	104.68	102.94	101.24	99.61
12.8125	97.96	96.37	94.79	93.25	91.77
12.8750	90.31	88.88	87.47	86.08	84.77
12.9375	83.47	82.20	80.95	79.71	78.51
13.0000	77.36	76.23	75.11	74.01	72.94
13.0625	71.89	70.90	69.93	68.97	68.03
13.1250	67.11	66.22	65.37	64.56	63.77
13.1875	62.99	62.24	61.49	60.77	60.08
13.2500	59.43	58.81	58.19	57.59	56.99
13.3125	56.41	55.84	55.28	54.79	54.30
13.3750	53.82	53.34	52.87	52.41	51.96
13.4375	51.52	51.08	50.68	50.30	49.93
13.5000	49.56	49.20	48.84	48.49	48.14
13.5625	47.80	47.46	47.12	46.82	46.55
13.6250	46.28	46.01	45.74	45.47	45.21
13.6875	44.95	44.69	44.43	44.17	43.92
13.7500	43.67	43.50	43.32	43.15	42.97
13.8125	42.80	42.62	42.45	42.28	42.11
13.8750	41.93	41.76	41.58	41.41	41.31
13.9375	41.23	41.15	41.07	40.99	40.90
14.0000	40.82	40.74	40.66	40.58	40.50
14.0625	40.42	40.34	40.26	40.18	40.11
14.1250	40.03	39.96	39.88	39.81	39.74
14.1875	39.67	39.60	39.53	39.47	39.40
14.2500	39.34	39.27	39.21	39.14	39.08
14.3125	39.01	38.95	38.89	38.83	38.76

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.3750	38.70	38.64	38.58	38.51	38.45
14.4375	38.39	38.33	38.27	38.21	38.14
14.5000	38.08	38.02	37.96	37.90	37.83
14.5625	37.77	37.71	37.65	37.58	37.52
14.6250	37.46	37.40	37.33	37.27	37.21
14.6875	37.14	37.08	37.01	36.95	36.89
14.7500	36.82	36.76	36.70	36.63	36.57
14.8125	36.50	36.44	36.37	36.31	36.24
14.8750	36.18	36.11	36.05	35.98	35.92
14.9375	35.85	35.79	35.72	35.65	35.59
15.0000	35.52	35.46	35.39	35.33	35.26
15.0625	35.19	35.13	35.06	34.99	34.92
15.1250	34.86	34.79	34.72	34.65	34.59
15.1875	34.52	34.45	34.38	34.31	34.25
15.2500	34.18	34.11	34.04	33.97	33.90
15.3125	33.84	33.77	33.70	33.63	33.56
15.3750	33.49	33.42	33.35	33.28	33.21
15.4375	33.14	33.07	33.00	32.93	32.86
15.5000	32.79	32.72	32.65	32.58	32.51
15.5625	32.43	32.36	32.29	32.22	32.15
15.6250	32.07	32.00	31.93	31.86	31.79
15.6875	31.72	31.64	31.57	31.50	31.42
15.7500	31.35	31.28	31.21	31.13	31.06
15.8125	30.99	30.91	30.84	30.77	30.69
15.8750	30.62	30.54	30.47	30.39	30.32
15.9375	30.24	30.17	30.09	30.02	29.94
16.0000	29.87	29.79	29.72	29.64	29.57
16.0625	29.49	29.42	29.35	29.27	29.20
16.1250	29.13	29.06	28.99	28.92	28.85
16.1875	28.78	28.71	28.64	28.57	28.50
16.2500	28.44	28.37	28.30	28.24	28.17
16.3125	28.11	28.04	27.98	27.91	27.85
16.3750	27.78	27.72	27.65	27.59	27.52
16.4375	27.46	27.39	27.33	27.26	27.20
16.5000	27.14	27.07	27.01	26.94	26.88
16.5625	26.82	26.75	26.69	26.62	26.56
16.6250	26.49	26.43	26.36	26.30	26.23
16.6875	26.17	26.10	26.04	25.98	25.91
16.7500	25.85	25.78	25.72	25.65	25.59
16.8125	25.52	25.46	25.39	25.33	25.26
16.8750	25.20	25.13	25.07	25.00	24.94
16.9375	24.87	24.81	24.75	24.68	24.62
17.0000	24.55	24.48	24.42	24.35	24.29
17.0625	24.22	24.16	24.09	24.03	23.96
17.1250	23.90	23.84	23.77	23.70	23.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
17.1875	23.57	23.51	23.44	23.38	23.31
17.2500	23.25	23.18	23.12	23.05	22.98
17.3125	22.92	22.85	22.79	22.72	22.66
17.3750	22.59	22.53	22.46	22.40	22.33
17.4375	22.26	22.20	22.13	22.06	22.00
17.5000	21.93	21.87	21.80	21.74	21.67
17.5625	21.61	21.54	21.48	21.41	21.34
17.6250	21.27	21.21	21.14	21.07	21.01
17.6875	20.94	20.88	20.81	20.75	20.68
17.7500	20.62	20.55	20.48	20.41	20.35
17.8125	20.28	20.21	20.15	20.08	20.02
17.8750	19.95	19.88	19.82	19.75	19.69
17.9375	19.62	19.55	19.48	19.42	19.35
18.0000	19.28	19.22	19.15	19.08	19.02
18.0625	18.95	18.89	18.81	18.63	18.45
18.1250	18.28	18.11	17.94	17.77	17.61
18.1875	17.45	17.29	17.14	16.99	16.84
18.2500	16.69	16.55	16.41	16.27	16.20
18.3125	16.14	16.07	16.00	15.94	15.87
18.3750	15.81	15.75	15.68	15.62	15.56
18.4375	15.50	15.43	15.37	15.31	15.25
18.5000	15.19	15.13	15.07	15.02	14.96
18.5625	14.90	14.85	14.79	14.74	14.68
18.6250	14.63	14.57	14.52	14.46	14.41
18.6875	14.36	14.31	14.25	14.20	14.15
18.7500	14.10	14.05	14.00	13.95	13.90
18.8125	13.85	13.80	13.75	13.70	13.65
18.8750	13.61	13.56	13.51	13.46	13.42
18.9375	13.37	13.33	13.28	13.24	13.19
19.0000	13.15	13.10	13.06	13.01	12.97
19.0625	12.93	12.88	12.84	12.80	12.76
19.1250	12.71	12.67	12.63	12.59	12.55
19.1875	12.51	12.47	12.43	12.39	12.35
19.2500	12.32	12.28	12.24	12.20	12.16
19.3125	12.12	12.09	12.05	12.01	11.98
19.3750	11.94	11.90	11.87	11.83	11.80
19.4375	11.76	11.72	11.69	11.65	11.62
19.5000	11.59	11.55	11.52	11.48	11.45
19.5625	11.42	11.38	11.35	11.32	11.29
19.6250	11.26	11.23	11.20	11.16	11.13
19.6875	11.10	11.07	11.04	11.01	10.98
19.7500	10.95	10.92	10.89	10.86	10.83
19.8125	10.80	10.77	10.74	10.71	10.69
19.8750	10.66	10.63	10.60	10.57	10.54
19.9375	10.52	10.49	10.46	10.43	10.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.0000	10.38	10.35	10.32	10.30	10.27
20.0625	10.25	10.22	10.19	10.17	10.14
20.1250	10.12	10.09	10.07	10.04	10.02
20.1875	9.99	9.97	9.95	9.92	9.90
20.2500	9.88	9.85	9.83	9.81	9.78
20.3125	9.76	9.74	9.72	9.69	9.67
20.3750	9.65	9.62	9.60	9.58	9.56
20.4375	9.53	9.51	9.49	9.47	9.45
20.5000	9.43	9.40	9.38	9.36	9.34
20.5625	9.32	9.30	9.28	9.26	9.24
20.6250	9.22	9.20	9.18	9.16	9.14
20.6875	9.12	9.10	9.08	9.06	9.04
20.7500	9.02	9.01	8.99	8.97	8.95
20.8125	8.93	8.92	8.90	8.88	8.86
20.8750	8.84	8.83	8.81	8.79	8.77
20.9375	8.76	8.74	8.72	8.70	8.69
21.0000	8.67	8.65	8.64	8.62	8.60
21.0625	8.59	8.57	8.56	8.54	8.52
21.1250	8.50	8.49	8.47	8.45	8.44
21.1875	8.42	8.40	8.39	8.37	8.36
21.2500	8.34	8.32	8.31	8.29	8.28
21.3125	8.26	8.25	8.23	8.21	8.20
21.3750	8.18	8.17	8.15	8.14	8.12
21.4375	8.11	8.09	8.08	8.06	8.05
21.5000	8.03	8.02	8.00	7.99	7.97
21.5625	7.96	7.95	7.93	7.92	7.90
21.6250	7.89	7.88	7.86	7.85	7.84
21.6875	7.82	7.81	7.79	7.78	7.77
21.7500	7.75	7.74	7.73	7.71	7.70
21.8125	7.69	7.67	7.66	7.65	7.64
21.8750	7.62	7.61	7.60	7.58	7.57
21.9375	7.56	7.54	7.53	7.52	7.50
22.0000	7.49	7.48	7.46	7.45	7.44
22.0625	7.42	7.41	7.40	7.39	7.37
22.1250	7.36	7.35	7.34	7.33	7.31
22.1875	7.30	7.29	7.28	7.26	7.25
22.2500	7.24	7.23	7.21	7.20	7.19
22.3125	7.18	7.16	7.15	7.14	7.13
22.3750	7.11	7.10	7.09	7.08	7.07
22.4375	7.06	7.05	7.03	7.02	7.01
22.5000	7.00	6.99	6.98	6.97	6.96
22.5625	6.95	6.94	6.93	6.92	6.91
22.6250	6.90	6.89	6.88	6.87	6.86
22.6875	6.84	6.83	6.82	6.81	6.80
22.7500	6.79	6.78	6.77	6.76	6.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.8125	6.74	6.73	6.72	6.71	6.69
22.8750	6.68	6.67	6.66	6.65	6.64
22.9375	6.63	6.62	6.61	6.60	6.59
23.0000	6.58	6.57	6.56	6.55	6.54
23.0625	6.53	6.52	6.51	6.50	6.49
23.1250	6.48	6.47	6.46	6.45	6.44
23.1875	6.43	6.42	6.41	6.40	6.39
23.2500	6.38	6.37	6.36	6.35	6.34
23.3125	6.33	6.32	6.31	6.30	6.29
23.3750	6.28	6.27	6.26	6.26	6.25
23.4375	6.24	6.23	6.22	6.21	6.20
23.5000	6.19	6.18	6.17	6.16	6.15
23.5625	6.14	6.13	6.12	6.11	6.10
23.6250	6.09	6.08	6.07	6.06	6.05
23.6875	6.05	6.04	6.03	6.02	6.01
23.7500	6.00	5.99	5.98	5.97	5.96
23.8125	5.95	5.94	5.93	5.92	5.92
23.8750	5.91	5.90	5.88	5.87	5.86
23.9375	5.85	5.84	5.83	5.83	5.82
24.0000	5.80	5.79	5.77	5.74	5.70
24.0625	5.65	5.59	5.52	5.43	5.33
24.1250	5.24	5.13	5.03	4.93	4.83
24.1875	4.74	4.65	4.57	4.50	4.43
24.2500	4.37	4.32	4.26	4.22	4.17
24.3125	4.14	4.10	4.06	4.03	3.99
24.3750	3.96	3.93	3.90	3.87	3.85
24.4375	3.82	3.79	3.77	3.74	3.72
24.5000	3.69	3.67	3.65	3.62	3.60
24.5625	3.58	3.55	3.53	3.50	3.48
24.6250	3.45	3.43	3.40	3.38	3.36
24.6875	3.33	3.31	3.28	3.26	3.24
24.7500	3.22	3.19	3.17	3.15	3.13
24.8125	3.10	3.08	3.06	3.04	3.02
24.8750	3.00	2.98	2.95	2.93	2.91
24.9375	2.89	2.87	2.85	2.83	2.80
25.0000	2.78	2.76	2.73	2.71	2.69
25.0625	2.66	2.64	2.62	2.60	2.58
25.1250	2.55	2.53	2.51	2.49	2.47
25.1875	2.45	2.43	2.41	2.39	2.37
25.2500	2.35	2.33	2.31	2.29	2.27
25.3125	2.25	2.23	2.21	2.19	2.17
25.3750	2.15	2.13	2.11	2.09	2.06
25.4375	2.04	2.02	2.00	1.98	1.97
25.5000	1.95	1.93	1.91	1.89	1.87
25.5625	1.85	1.83	1.82	1.80	1.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
25.6250	1.76	1.75	1.73	1.71	1.69
25.6875	1.68	1.66	1.64	1.63	1.61
25.7500	1.59	1.57	1.55	1.53	1.51
25.8125	1.50	1.48	1.46	1.44	1.43
25.8750	1.41	1.39	1.38	1.36	1.34
25.9375	1.33	1.31	1.30	1.28	1.27
26.0000	1.25	1.24	1.22	1.21	1.19
26.0625	1.18	1.16	1.15	1.13	1.12
26.1250	1.10	1.08	1.07	1.05	1.04
26.1875	1.02	1.01	.99	.98	.96
26.2500	.95	.93	.92	.91	.89
26.3125	.88	.87	.85	.84	.83
26.3750	.82	.80	.79	.78	.77
26.4375	.76	.75	.73	.72	.70
26.5000	.69	.68	.67	.65	.64
26.5625	.63	.62	.60	.59	.58
26.6250	.57	.56	.55	.54	.53
26.6875	.52	.51	.50	.49	.48
26.7500	.47	.46	.45	.45	.44
26.8125	.43	.42	.41	.39	.38
26.8750	.37	.36	.35	.34	.33
26.9375	.32	.31	.30	.30	.29
27.0000	.28	.27	.26	.26	.25
27.0625	.24	.24	.23	.22	.22
27.1250	.21	.20	.20	.19	.19
27.1875	.18	.17	.17	.16	.15
27.2500	.14	.14	.13	.13	.12
27.3125	.12	.11	.10	.10	.10
27.3750	.09	.09	.08	.08	.08
27.4375	.07	.07	.07	.06	.06
27.5000	.06	.05	.05	.05	.05
27.5625	.05	.04	.04	.04	.04
27.6250	.04	.03	.03	.03	.03
27.6875	.03	.02	.02	.02	.02
27.7500	.02	.02	.01	.01	.01
27.8125	.01	.01	.01	.01	.01
27.8750	.01	.01	.01	.01	.01
27.9375	.01	.01	.00	.00	.00
28.0000	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL AA

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
DB AA OUTLET      DB AA          IN            work_pad.hyg    DB AA OUTLET    100
REACH AA-1        D.A. AA-1     work_pad.hyg  D.A. AA-1      100
=====

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INFLOWS TO: OUTFALL AA

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----- Volume      Peak Time      Peak Flow
HYG file      HYG ID          HYG tag        cu.ft          hrs            cfs
-----
work_pad.hyg  DB AA OUTLET    100            1021935        12.5375        116.19
work_pad.hyg  D.A. AA-1       100            500169         12.1625        119.50

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TOTAL FLOW INTO: OUTFALL AA

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----- Volume      Peak Time      Peak Flow
HYG file      HYG ID          HYG tag        cu.ft          hrs            cfs
-----
work_pad.hyg  OUTFALL AA     100            1522105        12.4375        170.29

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL AA

HYG Tag = 100

 Peak Discharge = 170.29 cfs
 Time to Peak = 12.4375 hrs
 HYG Volume = 1522105 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
6.5125	.00	.00	.00	.00	.00
6.5750	.01	.01	.01	.01	.01
6.6375	.02	.02	.02	.03	.03
6.7000	.03	.04	.04	.05	.05
6.7625	.05	.06	.06	.07	.07
6.8250	.08	.08	.09	.09	.10
6.8875	.10	.11	.11	.12	.12
6.9500	.13	.14	.14	.15	.15
7.0125	.16	.16	.17	.17	.18
7.0750	.19	.19	.20	.20	.21
7.1375	.22	.22	.23	.23	.24
7.2000	.25	.25	.26	.27	.27
7.2625	.28	.29	.29	.30	.31
7.3250	.31	.32	.33	.33	.34
7.3875	.35	.35	.36	.37	.37
7.4500	.38	.39	.39	.40	.41
7.5125	.42	.42	.43	.44	.45
7.5750	.45	.46	.47	.48	.48
7.6375	.49	.50	.51	.51	.52
7.7000	.53	.54	.55	.55	.56
7.7625	.57	.58	.58	.59	.60
7.8250	.61	.62	.63	.63	.64
7.8875	.65	.66	.67	.68	.68
7.9500	.69	.70	.71	.72	.73
8.0125	.74	.75	.75	.76	.77
8.0750	.78	.79	.80	.81	.82
8.1375	.83	.84	.85	.86	.87
8.2000	.88	.89	.91	.92	.93
8.2625	.94	.95	.97	.98	.99
8.3250	1.00	1.02	1.03	1.04	1.06
8.3875	1.07	1.08	1.10	1.11	1.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.4500	1.14	1.15	1.17	1.18	1.20
8.5125	1.21	1.23	1.24	1.26	1.27
8.5750	1.29	1.30	1.32	1.33	1.35
8.6375	1.36	1.38	1.39	1.41	1.43
8.7000	1.44	1.46	1.48	1.49	1.51
8.7625	1.52	1.54	1.56	1.58	1.59
8.8250	1.61	1.63	1.64	1.66	1.68
8.8875	1.70	1.72	1.73	1.75	1.77
8.9500	1.79	1.81	1.82	1.84	1.86
9.0125	1.88	1.90	1.92	1.94	1.96
9.0750	1.98	2.00	2.02	2.04	2.06
9.1375	2.07	2.09	2.11	2.13	2.16
9.2000	2.18	2.20	2.22	2.24	2.26
9.2625	2.28	2.30	2.32	2.34	2.36
9.3250	2.38	2.41	2.43	2.45	2.47
9.3875	2.49	2.51	2.54	2.56	2.58
9.4500	2.60	2.63	2.65	2.67	2.69
9.5125	2.72	2.74	2.76	2.79	2.81
9.5750	2.83	2.86	2.88	2.90	2.93
9.6375	2.95	2.97	3.00	3.02	3.05
9.7000	3.07	3.09	3.12	3.14	3.17
9.7625	3.19	3.22	3.24	3.27	3.29
9.8250	3.32	3.34	3.37	3.39	3.42
9.8875	3.44	3.47	3.50	3.52	3.55
9.9500	3.58	3.60	3.63	3.65	3.68
10.0125	3.71	3.73	3.76	3.79	3.82
10.0750	3.85	3.87	3.90	3.93	3.97
10.1375	4.00	4.03	4.06	4.10	4.13
10.2000	4.17	4.21	4.24	4.28	4.32
10.2625	4.36	4.40	4.44	4.48	4.53
10.3250	4.57	4.61	4.65	4.70	4.74
10.3875	4.78	4.83	4.87	4.92	4.96
10.4500	5.01	5.05	5.10	5.14	5.19
10.5125	5.23	5.28	5.33	5.37	5.42
10.5750	5.47	5.52	5.57	5.61	5.66
10.6375	5.71	5.76	5.81	5.86	5.91
10.7000	5.96	6.01	6.06	6.11	6.16
10.7625	6.21	6.26	6.32	6.37	6.42
10.8250	6.47	6.52	6.58	6.63	6.68
10.8875	6.73	6.79	6.84	6.89	6.95
10.9500	7.00	7.06	7.11	7.16	7.22
11.0125	7.34	7.55	7.78	8.01	8.28
11.0750	8.55	8.84	9.12	9.42	9.70
11.1375	9.98	10.27	10.55	10.83	11.12
11.2000	11.42	11.69	11.98	12.26	12.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.2625	12.84	13.13	13.42	13.71	14.01
11.3250	14.31	14.61	14.91	15.22	15.53
11.3875	15.84	16.17	16.50	16.84	17.18
11.4500	17.52	17.86	18.22	18.57	18.95
11.5125	19.34	19.75	20.20	20.65	21.20
11.5750	21.75	22.37	23.06	23.76	24.60
11.6375	25.45	26.41	27.45	28.52	29.77
11.7000	31.04	32.42	33.88	35.38	36.99
11.7625	38.63	40.39	42.23	44.11	46.33
11.8250	48.89	51.48	53.42	55.41	57.48
11.8875	59.56	61.90	64.31	66.94	69.92
11.9500	72.92	76.87	80.92	85.46	90.58
12.0125	95.71	101.30	106.90	112.44	117.93
12.0750	123.39	128.33	133.29	137.47	141.14
12.1375	144.55	146.42	148.28	148.72	148.48
12.2000	147.89	146.02	144.36	144.24	145.28
12.2625	147.11	149.14	151.37	153.74	156.05
12.3250	158.35	160.72	162.75	164.74	166.42
12.3875	167.77	168.88	169.58	170.12	170.29
12.4500	170.16	169.81	169.14	168.20	166.98
12.5125	165.55	163.91	162.07	160.16	158.05
12.5750	155.82	153.47	150.99	148.50	145.88
12.6375	143.33	140.75	138.15	135.64	133.06
12.7000	130.57	128.07	125.65	123.32	120.97
12.7625	118.73	116.54	114.39	112.30	110.21
12.8250	108.22	106.28	104.38	102.53	100.70
12.8875	98.97	97.25	95.57	93.93	92.35
12.9500	90.84	89.34	87.87	86.43	85.05
13.0125	83.71	82.39	81.10	79.84	78.62
13.0750	77.46	76.32	75.20	74.10	73.03
13.1375	72.01	71.04	70.09	69.17	68.27
13.2000	67.39	66.52	65.72	64.95	64.20
13.2625	63.47	62.74	62.04	61.35	60.69
13.3250	60.08	59.48	58.89	58.32	57.75
13.3875	57.19	56.65	56.11	55.62	55.15
13.4500	54.69	54.23	53.78	53.34	52.90
13.5125	52.47	52.05	51.63	51.26	50.90
13.5750	50.54	50.19	49.84	49.50	49.16
13.6375	48.83	48.50	48.17	47.84	47.52
13.7000	47.26	46.99	46.73	46.47	46.21
13.7625	45.95	45.70	45.44	45.19	44.94
13.8250	44.69	44.44	44.19	44.00	43.83
13.8875	43.66	43.48	43.31	43.14	42.96
13.9500	42.79	42.62	42.45	42.27	42.10
14.0125	41.93	41.76	41.66	41.57	41.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
14.0750	41.41	41.33	41.26	41.18	41.10
14.1375	41.02	40.95	40.88	40.81	40.74
14.2000	40.67	40.60	40.53	40.47	40.40
14.2625	40.34	40.28	40.21	40.15	40.09
14.3250	40.02	39.96	39.90	39.84	39.78
14.3875	39.71	39.65	39.59	39.53	39.47
14.4500	39.41	39.35	39.28	39.22	39.16
14.5125	39.10	39.04	38.98	38.91	38.85
14.5750	38.79	38.73	38.67	38.60	38.54
14.6375	38.48	38.42	38.36	38.29	38.23
14.7000	38.17	38.10	38.04	37.98	37.91
14.7625	37.85	37.79	37.72	37.66	37.59
14.8250	37.53	37.46	37.40	37.34	37.27
14.8875	37.21	37.14	37.08	37.01	36.95
14.9500	36.88	36.82	36.75	36.68	36.62
15.0125	36.55	36.49	36.42	36.36	36.29
15.0750	36.22	36.16	36.09	36.02	35.95
15.1375	35.89	35.82	35.75	35.69	35.62
15.2000	35.55	35.48	35.41	35.35	35.28
15.2625	35.21	35.14	35.07	35.00	34.94
15.3250	34.87	34.80	34.73	34.66	34.59
15.3875	34.52	34.45	34.38	34.31	34.24
15.4500	34.17	34.10	34.03	33.96	33.89
15.5125	33.82	33.75	33.68	33.61	33.53
15.5750	33.46	33.39	33.32	33.25	33.18
15.6375	33.10	33.03	32.96	32.89	32.82
15.7000	32.74	32.67	32.60	32.52	32.45
15.7625	32.38	32.30	32.23	32.16	32.08
15.8250	32.01	31.94	31.86	31.79	31.71
15.8875	31.64	31.56	31.49	31.41	31.34
15.9500	31.26	31.19	31.11	31.04	30.96
16.0125	30.88	30.81	30.73	30.66	30.59
16.0750	30.51	30.44	30.37	30.29	30.22
16.1375	30.15	30.08	30.01	29.94	29.87
16.2000	29.80	29.73	29.66	29.60	29.53
16.2625	29.46	29.40	29.33	29.27	29.20
16.3250	29.14	29.07	29.01	28.95	28.88
16.3875	28.82	28.75	28.69	28.62	28.56
16.4500	28.50	28.43	28.37	28.30	28.24
16.5125	28.18	28.11	28.05	27.99	27.92
16.5750	27.86	27.79	27.73	27.67	27.60
16.6375	27.54	27.47	27.41	27.35	27.28
16.7000	27.22	27.15	27.09	27.03	26.96
16.7625	26.90	26.83	26.77	26.70	26.64
16.8250	26.57	26.51	26.44	26.38	26.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
16.8875	26.25	26.19	26.12	26.06	25.99
16.9500	25.93	25.87	25.80	25.74	25.67
17.0125	25.61	25.54	25.48	25.41	25.35
17.0750	25.28	25.22	25.15	25.09	25.02
17.1375	24.96	24.89	24.83	24.76	24.70
17.2000	24.63	24.57	24.50	24.43	24.37
17.2625	24.30	24.24	24.17	24.11	24.05
17.3250	23.98	23.92	23.85	23.78	23.72
17.3875	23.65	23.59	23.52	23.46	23.39
17.4500	23.33	23.26	23.20	23.13	23.06
17.5125	23.00	22.93	22.87	22.80	22.74
17.5750	22.67	22.61	22.54	22.47	22.41
17.6375	22.34	22.27	22.21	22.14	22.07
17.7000	22.01	21.94	21.88	21.81	21.75
17.7625	21.68	21.62	21.55	21.48	21.41
17.8250	21.35	21.28	21.21	21.15	21.08
17.8875	21.01	20.95	20.88	20.82	20.75
17.9500	20.69	20.62	20.55	20.48	20.42
18.0125	20.35	20.28	20.21	20.15	20.08
18.0750	20.02	19.95	19.89	19.82	19.76
18.1375	19.69	19.63	19.56	19.50	19.44
18.2000	19.38	19.32	19.25	19.19	19.14
18.2625	19.08	19.02	18.95	18.78	18.61
18.3250	18.44	18.27	18.11	17.95	17.79
18.3875	17.64	17.49	17.34	17.19	17.05
18.4500	16.91	16.77	16.63	16.49	16.40
18.5125	16.34	16.28	16.21	16.15	16.09
18.5750	16.02	15.96	15.90	15.84	15.78
18.6375	15.72	15.66	15.60	15.54	15.48
18.7000	15.43	15.37	15.31	15.25	15.20
18.7625	15.14	15.09	15.03	14.98	14.93
18.8250	14.87	14.82	14.77	14.72	14.66
18.8875	14.61	14.56	14.51	14.46	14.41
18.9500	14.36	14.31	14.26	14.21	14.16
19.0125	14.11	14.07	14.02	13.97	13.92
19.0750	13.88	13.83	13.79	13.74	13.69
19.1375	13.65	13.60	13.56	13.52	13.47
19.2000	13.43	13.38	13.34	13.30	13.26
19.2625	13.21	13.17	13.13	13.09	13.05
19.3250	13.00	12.96	12.92	12.88	12.84
19.3875	12.80	12.76	12.73	12.69	12.65
19.4500	12.61	12.57	12.54	12.50	12.46
19.5125	12.42	12.39	12.35	12.31	12.28
19.5750	12.24	12.21	12.17	12.13	12.10
19.6375	12.06	12.03	12.00	11.96	11.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.7000	11.89	11.86	11.82	11.79	11.76
19.7625	11.72	11.69	11.66	11.63	11.59
19.8250	11.56	11.53	11.50	11.47	11.44
19.8875	11.41	11.38	11.35	11.32	11.29
19.9500	11.26	11.23	11.20	11.17	11.14
20.0125	11.11	11.08	11.06	11.03	11.00
20.0750	10.97	10.94	10.91	10.89	10.86
20.1375	10.83	10.80	10.78	10.75	10.72
20.2000	10.70	10.67	10.65	10.62	10.60
20.2625	10.57	10.54	10.52	10.49	10.47
20.3250	10.44	10.42	10.40	10.37	10.35
20.3875	10.32	10.30	10.27	10.25	10.23
20.4500	10.20	10.18	10.16	10.13	10.11
20.5125	10.09	10.07	10.04	10.02	10.00
20.5750	9.98	9.96	9.93	9.91	9.89
20.6375	9.87	9.85	9.83	9.80	9.78
20.7000	9.76	9.74	9.72	9.69	9.67
20.7625	9.65	9.63	9.61	9.59	9.57
20.8250	9.55	9.53	9.51	9.49	9.47
20.8875	9.45	9.43	9.41	9.39	9.37
20.9500	9.35	9.34	9.32	9.30	9.28
21.0125	9.26	9.25	9.23	9.21	9.19
21.0750	9.18	9.16	9.14	9.12	9.11
21.1375	9.09	9.07	9.05	9.04	9.02
21.2000	9.00	8.98	8.97	8.95	8.93
21.2625	8.91	8.90	8.88	8.86	8.85
21.3250	8.83	8.82	8.80	8.78	8.77
21.3875	8.75	8.74	8.72	8.70	8.69
21.4500	8.67	8.65	8.64	8.62	8.61
21.5125	8.59	8.57	8.56	8.54	8.52
21.5750	8.51	8.49	8.48	8.46	8.45
21.6375	8.43	8.42	8.41	8.39	8.38
21.7000	8.36	8.35	8.33	8.32	8.30
21.7625	8.29	8.27	8.26	8.24	8.23
21.8250	8.22	8.20	8.19	8.18	8.16
21.8875	8.15	8.13	8.12	8.11	8.09
21.9500	8.08	8.06	8.05	8.04	8.02
22.0125	8.01	7.99	7.98	7.97	7.95
22.0750	7.94	7.93	7.91	7.90	7.89
22.1375	7.87	7.86	7.85	7.83	7.82
22.2000	7.81	7.80	7.78	7.77	7.76
22.2625	7.74	7.73	7.72	7.70	7.69
22.3250	7.68	7.66	7.65	7.64	7.62
22.3875	7.61	7.60	7.59	7.58	7.56
22.4500	7.55	7.54	7.53	7.52	7.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.5125	7.49	7.48	7.47	7.45	7.44
22.5750	7.43	7.42	7.41	7.39	7.38
22.6375	7.37	7.36	7.35	7.34	7.33
22.7000	7.31	7.30	7.29	7.28	7.26
22.7625	7.25	7.24	7.23	7.22	7.20
22.8250	7.19	7.18	7.17	7.16	7.15
22.8875	7.13	7.12	7.11	7.10	7.09
22.9500	7.08	7.07	7.06	7.05	7.04
23.0125	7.03	7.01	7.00	6.99	6.98
23.0750	6.97	6.96	6.95	6.94	6.93
23.1375	6.92	6.91	6.89	6.88	6.87
23.2000	6.86	6.85	6.84	6.83	6.82
23.2625	6.81	6.80	6.79	6.78	6.77
23.3250	6.76	6.75	6.74	6.73	6.72
23.3875	6.71	6.70	6.69	6.68	6.67
23.4500	6.66	6.65	6.64	6.63	6.62
23.5125	6.61	6.60	6.59	6.58	6.57
23.5750	6.56	6.55	6.54	6.53	6.52
23.6375	6.51	6.50	6.49	6.48	6.47
23.7000	6.46	6.45	6.44	6.43	6.42
23.7625	6.41	6.40	6.39	6.38	6.37
23.8250	6.36	6.35	6.34	6.33	6.32
23.8875	6.31	6.30	6.29	6.28	6.27
23.9500	6.26	6.25	6.24	6.23	6.22
24.0125	6.20	6.18	6.15	6.11	6.06
24.0750	5.99	5.91	5.81	5.72	5.61
24.1375	5.50	5.39	5.28	5.17	5.08
24.2000	4.98	4.89	4.82	4.74	4.68
24.2625	4.62	4.57	4.52	4.47	4.43
24.3250	4.39	4.35	4.31	4.27	4.24
24.3875	4.21	4.18	4.15	4.12	4.09
24.4500	4.06	4.03	4.01	3.98	3.95
24.5125	3.93	3.90	3.88	3.85	3.83
24.5750	3.80	3.78	3.75	3.73	3.71
24.6375	3.68	3.66	3.64	3.61	3.59
24.7000	3.57	3.54	3.52	3.49	3.47
24.7625	3.45	3.42	3.40	3.37	3.35
24.8250	3.33	3.30	3.28	3.26	3.23
24.8875	3.21	3.19	3.16	3.14	3.12
24.9500	3.10	3.08	3.05	3.03	3.01
25.0125	2.99	2.97	2.95	2.93	2.91
25.0750	2.88	2.86	2.84	2.82	2.79
25.1375	2.77	2.75	2.72	2.70	2.68
25.2000	2.66	2.63	2.61	2.59	2.57
25.2625	2.55	2.52	2.50	2.48	2.46

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
25.3250	2.44	2.42	2.40	2.38	2.36
25.3875	2.34	2.32	2.30	2.28	2.26
25.4500	2.24	2.22	2.20	2.18	2.16
25.5125	2.14	2.12	2.10	2.08	2.06
25.5750	2.04	2.02	2.00	1.98	1.96
25.6375	1.94	1.92	1.90	1.88	1.86
25.7000	1.85	1.83	1.81	1.79	1.77
25.7625	1.76	1.74	1.72	1.71	1.69
25.8250	1.67	1.66	1.64	1.62	1.60
25.8875	1.58	1.56	1.54	1.53	1.51
25.9500	1.49	1.47	1.45	1.44	1.42
26.0125	1.40	1.39	1.37	1.35	1.34
26.0750	1.32	1.31	1.29	1.28	1.26
26.1375	1.25	1.23	1.22	1.20	1.19
26.2000	1.17	1.16	1.14	1.13	1.11
26.2625	1.09	1.08	1.06	1.05	1.03
26.3250	1.01	1.00	.98	.97	.96
26.3875	.94	.93	.91	.90	.89
26.4500	.87	.86	.85	.84	.82
26.5125	.81	.80	.79	.78	.76
26.5750	.75	.74	.73	.71	.70
26.6375	.69	.67	.66	.65	.64
26.7000	.62	.61	.60	.59	.58
26.7625	.57	.56	.55	.54	.53
26.8250	.52	.51	.50	.49	.48
26.8875	.47	.46	.45	.44	.43
26.9500	.43	.41	.40	.39	.38
27.0125	.37	.36	.35	.34	.33
27.0750	.32	.31	.30	.29	.28
27.1375	.28	.27	.26	.25	.25
27.2000	.24	.23	.23	.22	.21
27.2625	.21	.20	.20	.19	.19
27.3250	.18	.17	.16	.16	.15
27.3875	.14	.14	.13	.12	.12
27.4500	.11	.11	.10	.10	.09
27.5125	.09	.09	.08	.08	.07
27.5750	.07	.07	.07	.06	.06
27.6375	.06	.05	.05	.05	.05
27.7000	.04	.04	.04	.04	.04
27.7625	.04	.03	.03	.03	.03
27.8250	.02	.02	.02	.02	.02
27.8875	.02	.02	.01	.01	.01
27.9500	.01	.01	.01	.01	.01
28.0125	.01	.01	.01	.01	.01
28.0750	.01	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs				
28.1375	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL BB

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH BB          D.A. BB        work_pad.hyg  D.A. BB       2
=====

```

INFLOWS TO: OUTFALL BB

```

-----
HYG file          HYG ID          HYG tag          Volume      Peak Time     Peak Flow
                   cu.ft           hrs              cfs
-----
work_pad.hyg D.A. BB          2                365          12.1000      .10

```

TOTAL FLOW INTO: OUTFALL BB

```

-----
HYG file          HYG ID          HYG tag          Volume      Peak Time     Peak Flow
                   cu.ft           hrs              cfs
-----
work_pad.hyg OUTFALL BB          2                365          12.1000      .10

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL BB

HYG Tag = 2

```

-----
Peak Discharge = .10 cfs
Time to Peak = 12.1000 hrs
HYG Volume = 365 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.2375	.00	.00	.00	.00	.00
11.3000	.00	.00	.00	.00	.00
11.3625	.00	.00	.00	.00	.00
11.4250	.00	.00	.00	.00	.00
11.4875	.00	.00	.00	.00	.00
11.5500	.00	.00	.00	.00	.00
11.6125	.01	.01	.01	.01	.01
11.6750	.01	.01	.01	.01	.01
11.7375	.01	.01	.01	.02	.02
11.8000	.02	.02	.02	.02	.02
11.8625	.02	.03	.03	.03	.03
11.9250	.03	.04	.05	.05	.06
11.9875	.07	.07	.08	.08	.08
12.0500	.09	.09	.09	.10	.10
12.1125	.10	.10	.10	.09	.08
12.1750	.08	.07	.07	.07	.06
12.2375	.06	.06	.06	.06	.05
12.3000	.05	.05	.05	.05	.05
12.3625	.05	.04	.04	.04	.04
12.4250	.04	.04	.04	.03	.03
12.4875	.03	.03	.03	.03	.03
12.5500	.02	.02	.02	.02	.02
12.6125	.02	.02	.02	.02	.02
12.6750	.02	.02	.02	.02	.02
12.7375	.02	.02	.02	.02	.02
12.8000	.02	.02	.02	.02	.02
12.8625	.02	.02	.02	.02	.02
12.9250	.02	.01	.01	.01	.01
12.9875	.01	.01	.01	.01	.01
13.0500	.01	.01	.01	.01	.01
13.1125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1750	.01	.01	.01	.01	.01
13.2375	.01	.01	.01	.01	.01
13.3000	.01	.01	.01	.01	.01
13.3625	.01	.01	.01	.01	.01
13.4250	.01	.01	.01	.01	.01
13.4875	.01	.01	.01	.01	.01
13.5500	.01	.01	.01	.01	.01
13.6125	.01	.01	.01	.01	.01
13.6750	.01	.01	.01	.01	.01
13.7375	.01	.01	.01	.01	.01
13.8000	.01	.01	.01	.01	.01
13.8625	.01	.01	.01	.01	.01
13.9250	.01	.01	.01	.01	.01
13.9875	.01	.01	.01	.01	.01
14.0500	.01	.01	.01	.01	.01
14.1125	.01	.01	.01	.01	.01
14.1750	.01	.01	.01	.01	.01
14.2375	.01	.01	.01	.01	.01
14.3000	.01	.01	.01	.01	.01
14.3625	.01	.01	.01	.01	.01
14.4250	.01	.01	.01	.01	.01
14.4875	.01	.01	.01	.01	.01
14.5500	.01	.01	.01	.01	.01
14.6125	.01	.01	.01	.01	.01
14.6750	.01	.01	.01	.01	.01
14.7375	.01	.01	.01	.01	.01
14.8000	.01	.01	.01	.01	.01
14.8625	.01	.01	.01	.01	.01
14.9250	.01	.01	.01	.01	.01
14.9875	.01	.01	.01	.01	.01
15.0500	.01	.01	.01	.01	.01
15.1125	.01	.01	.01	.01	.01
15.1750	.01	.01	.01	.01	.01
15.2375	.01	.01	.01	.01	.01
15.3000	.01	.01	.01	.01	.01
15.3625	.01	.01	.01	.01	.01
15.4250	.01	.01	.01	.01	.01
15.4875	.01	.01	.01	.01	.01
15.5500	.01	.01	.01	.01	.01
15.6125	.01	.01	.01	.01	.01
15.6750	.01	.01	.01	.01	.01
15.7375	.01	.01	.01	.01	.01
15.8000	.01	.01	.01	.01	.01
15.8625	.01	.01	.01	.01	.01
15.9250	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.9875	.01	.01	.01	.01	.01
16.0500	.01	.01	.01	.01	.01
16.1125	.01	.01	.01	.01	.01
16.1750	.01	.01	.01	.01	.01
16.2375	.01	.01	.01	.01	.01
16.3000	.01	.01	.01	.00	.00
16.3625	.00	.00	.00	.00	.00
16.4250	.00	.00	.00	.00	.00
16.4875	.00	.00	.00	.00	.00
16.5500	.00	.00	.00	.00	.00
16.6125	.00	.00	.00	.00	.00
16.6750	.00	.00	.00	.00	.00
16.7375	.00	.00	.00	.00	.00
16.8000	.00	.00	.00	.00	.00
16.8625	.00	.00	.00	.00	.00
16.9250	.00	.00	.00	.00	.00
16.9875	.00	.00	.00	.00	.00
17.0500	.00	.00	.00	.00	.00
17.1125	.00	.00	.00	.00	.00
17.1750	.00	.00	.00	.00	.00
17.2375	.00	.00	.00	.00	.00
17.3000	.00	.00	.00	.00	.00
17.3625	.00	.00	.00	.00	.00
17.4250	.00	.00	.00	.00	.00
17.4875	.00	.00	.00	.00	.00
17.5500	.00	.00	.00	.00	.00
17.6125	.00	.00	.00	.00	.00
17.6750	.00	.00	.00	.00	.00
17.7375	.00	.00	.00	.00	.00
17.8000	.00	.00	.00	.00	.00
17.8625	.00	.00	.00	.00	.00
17.9250	.00	.00	.00	.00	.00
17.9875	.00	.00	.00	.00	.00
18.0500	.00	.00	.00	.00	.00
18.1125	.00	.00	.00	.00	.00
18.1750	.00	.00	.00	.00	.00
18.2375	.00	.00	.00	.00	.00
18.3000	.00	.00	.00	.00	.00
18.3625	.00	.00	.00	.00	.00
18.4250	.00	.00	.00	.00	.00
18.4875	.00	.00	.00	.00	.00
18.5500	.00	.00	.00	.00	.00
18.6125	.00	.00	.00	.00	.00
18.6750	.00	.00	.00	.00	.00
18.7375	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
18.8000	.00	.00	.00	.00	.00
18.8625	.00	.00	.00	.00	.00
18.9250	.00	.00	.00	.00	.00
18.9875	.00	.00	.00	.00	.00
19.0500	.00	.00	.00	.00	.00
19.1125	.00	.00	.00	.00	.00
19.1750	.00	.00	.00	.00	.00
19.2375	.00	.00	.00	.00	.00
19.3000	.00	.00	.00	.00	.00
19.3625	.00	.00	.00	.00	.00
19.4250	.00	.00	.00	.00	.00
19.4875	.00	.00	.00	.00	.00
19.5500	.00	.00	.00	.00	.00
19.6125	.00	.00	.00	.00	.00
19.6750	.00	.00	.00	.00	.00
19.7375	.00	.00	.00	.00	.00
19.8000	.00	.00	.00	.00	.00
19.8625	.00	.00	.00	.00	.00
19.9250	.00	.00	.00	.00	.00
19.9875	.00	.00	.00	.00	.00
20.0500	.00	.00	.00	.00	.00
20.1125	.00	.00	.00	.00	.00
20.1750	.00	.00	.00	.00	.00
20.2375	.00	.00	.00	.00	.00
20.3000	.00	.00	.00	.00	.00
20.3625	.00	.00	.00	.00	.00
20.4250	.00	.00	.00	.00	.00
20.4875	.00	.00	.00	.00	.00
20.5500	.00	.00	.00	.00	.00
20.6125	.00	.00	.00	.00	.00
20.6750	.00	.00	.00	.00	.00
20.7375	.00	.00	.00	.00	.00
20.8000	.00	.00	.00	.00	.00
20.8625	.00	.00	.00	.00	.00
20.9250	.00	.00	.00	.00	.00
20.9875	.00	.00	.00	.00	.00
21.0500	.00	.00	.00	.00	.00
21.1125	.00	.00	.00	.00	.00
21.1750	.00	.00	.00	.00	.00
21.2375	.00	.00	.00	.00	.00
21.3000	.00	.00	.00	.00	.00
21.3625	.00	.00	.00	.00	.00
21.4250	.00	.00	.00	.00	.00
21.4875	.00	.00	.00	.00	.00
21.5500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
21.6125	.00	.00	.00	.00	.00
21.6750	.00	.00	.00	.00	.00
21.7375	.00	.00	.00	.00	.00
21.8000	.00	.00	.00	.00	.00
21.8625	.00	.00	.00	.00	.00
21.9250	.00	.00	.00	.00	.00
21.9875	.00	.00	.00	.00	.00
22.0500	.00	.00	.00	.00	.00
22.1125	.00	.00	.00	.00	.00
22.1750	.00	.00	.00	.00	.00
22.2375	.00	.00	.00	.00	.00
22.3000	.00	.00	.00	.00	.00
22.3625	.00	.00	.00	.00	.00
22.4250	.00	.00	.00	.00	.00
22.4875	.00	.00	.00	.00	.00
22.5500	.00	.00	.00	.00	.00
22.6125	.00	.00	.00	.00	.00
22.6750	.00	.00	.00	.00	.00
22.7375	.00	.00	.00	.00	.00
22.8000	.00	.00	.00	.00	.00
22.8625	.00	.00	.00	.00	.00
22.9250	.00	.00	.00	.00	.00
22.9875	.00	.00	.00	.00	.00
23.0500	.00	.00	.00	.00	.00
23.1125	.00	.00	.00	.00	.00
23.1750	.00	.00	.00	.00	.00
23.2375	.00	.00	.00	.00	.00
23.3000	.00	.00	.00	.00	.00
23.3625	.00	.00	.00	.00	.00
23.4250	.00	.00	.00	.00	.00
23.4875	.00	.00	.00	.00	.00
23.5500	.00	.00	.00	.00	.00
23.6125	.00	.00	.00	.00	.00
23.6750	.00	.00	.00	.00	.00
23.7375	.00	.00	.00	.00	.00
23.8000	.00	.00	.00	.00	.00
23.8625	.00	.00	.00	.00	.00
23.9250	.00	.00	.00	.00	.00
23.9875	.00	.00	.00	.00	.00
24.0500	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL BB

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH BB          D.A. BB          work_pad.hyg  D.A. BB       10
=====

```

INFLOWS TO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. BB       10           876         12.1000     .25

```

TOTAL FLOW INTO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL BB    10           876         12.1000     .25

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL BB

HYG Tag = 10

```

-----
Peak Discharge = .25 cfs
Time to Peak = 12.1000 hrs
HYG Volume = 876 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
9.7000	.00	.00	.00	.00	.00
9.7625	.00	.00	.00	.00	.00
9.8250	.00	.00	.00	.00	.00
9.8875	.00	.00	.00	.00	.00
9.9500	.00	.00	.00	.00	.00
10.0125	.00	.00	.00	.00	.00
10.0750	.00	.00	.00	.00	.00
10.1375	.00	.00	.00	.00	.00
10.2000	.00	.00	.00	.00	.00
10.2625	.00	.00	.00	.00	.00
10.3250	.00	.00	.00	.00	.00
10.3875	.00	.00	.00	.00	.00
10.4500	.00	.00	.00	.00	.00
10.5125	.00	.00	.00	.00	.00
10.5750	.00	.00	.00	.00	.01
10.6375	.01	.01	.01	.01	.01
10.7000	.01	.01	.01	.01	.01
10.7625	.01	.01	.01	.01	.01
10.8250	.01	.01	.01	.01	.01
10.8875	.01	.01	.01	.01	.01
10.9500	.01	.01	.01	.01	.01
11.0125	.01	.01	.01	.01	.01
11.0750	.01	.01	.01	.01	.01
11.1375	.01	.01	.01	.01	.01
11.2000	.01	.01	.01	.01	.01
11.2625	.01	.01	.01	.01	.01
11.3250	.01	.01	.01	.01	.01
11.3875	.01	.01	.01	.02	.02
11.4500	.02	.02	.02	.02	.02
11.5125	.02	.02	.02	.02	.02
11.5750	.02	.02	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.6375	.03	.03	.04	.04	.04
11.7000	.04	.04	.05	.05	.05
11.7625	.06	.06	.06	.07	.07
11.8250	.07	.07	.08	.08	.09
11.8875	.09	.09	.10	.11	.12
11.9500	.14	.16	.18	.19	.20
12.0125	.21	.22	.23	.23	.24
12.0750	.24	.25	.25	.25	.25
12.1375	.23	.22	.20	.18	.17
12.2000	.16	.15	.15	.14	.14
12.2625	.13	.13	.12	.12	.12
12.3250	.12	.11	.11	.10	.10
12.3875	.10	.09	.09	.09	.08
12.4500	.08	.07	.07	.07	.06
12.5125	.06	.06	.06	.05	.05
12.5750	.05	.05	.04	.04	.04
12.6375	.04	.04	.04	.04	.04
12.7000	.04	.04	.04	.04	.04
12.7625	.04	.04	.04	.04	.04
12.8250	.04	.04	.03	.03	.03
12.8875	.03	.03	.03	.03	.03
12.9500	.03	.03	.03	.03	.03
13.0125	.03	.03	.03	.03	.03
13.0750	.03	.03	.03	.03	.03
13.1375	.03	.03	.03	.03	.03
13.2000	.03	.03	.03	.03	.03
13.2625	.03	.03	.03	.03	.03
13.3250	.03	.03	.03	.03	.02
13.3875	.02	.02	.02	.02	.02
13.4500	.02	.02	.02	.02	.02
13.5125	.02	.02	.02	.02	.02
13.5750	.02	.02	.02	.02	.02
13.6375	.02	.02	.02	.02	.02
13.7000	.02	.02	.02	.02	.02
13.7625	.02	.02	.02	.02	.02
13.8250	.02	.02	.02	.02	.02
13.8875	.02	.02	.02	.02	.02
13.9500	.02	.02	.02	.02	.02
14.0125	.02	.02	.02	.02	.02
14.0750	.02	.02	.02	.02	.02
14.1375	.02	.02	.02	.02	.02
14.2000	.02	.02	.02	.02	.02
14.2625	.02	.02	.02	.02	.02
14.3250	.02	.02	.02	.02	.02
14.3875	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.4500	.02	.02	.02	.02	.02
14.5125	.02	.02	.02	.02	.02
14.5750	.02	.02	.02	.02	.02
14.6375	.02	.02	.02	.02	.02
14.7000	.02	.02	.02	.02	.02
14.7625	.02	.02	.02	.02	.02
14.8250	.02	.02	.02	.02	.02
14.8875	.02	.02	.02	.02	.02
14.9500	.02	.02	.02	.02	.02
15.0125	.02	.02	.02	.02	.02
15.0750	.01	.01	.01	.01	.01
15.1375	.01	.01	.01	.01	.01
15.2000	.01	.01	.01	.01	.01
15.2625	.01	.01	.01	.01	.01
15.3250	.01	.01	.01	.01	.01
15.3875	.01	.01	.01	.01	.01
15.4500	.01	.01	.01	.01	.01
15.5125	.01	.01	.01	.01	.01
15.5750	.01	.01	.01	.01	.01
15.6375	.01	.01	.01	.01	.01
15.7000	.01	.01	.01	.01	.01
15.7625	.01	.01	.01	.01	.01
15.8250	.01	.01	.01	.01	.01
15.8875	.01	.01	.01	.01	.01
15.9500	.01	.01	.01	.01	.01
16.0125	.01	.01	.01	.01	.01
16.0750	.01	.01	.01	.01	.01
16.1375	.01	.01	.01	.01	.01
16.2000	.01	.01	.01	.01	.01
16.2625	.01	.01	.01	.01	.01
16.3250	.01	.01	.01	.01	.01
16.3875	.01	.01	.01	.01	.01
16.4500	.01	.01	.01	.01	.01
16.5125	.01	.01	.01	.01	.01
16.5750	.01	.01	.01	.01	.01
16.6375	.01	.01	.01	.01	.01
16.7000	.01	.01	.01	.01	.01
16.7625	.01	.01	.01	.01	.01
16.8250	.01	.01	.01	.01	.01
16.8875	.01	.01	.01	.01	.01
16.9500	.01	.01	.01	.01	.01
17.0125	.01	.01	.01	.01	.01
17.0750	.01	.01	.01	.01	.01
17.1375	.01	.01	.01	.01	.01
17.2000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.2625	.01	.01	.01	.01	.01
17.3250	.01	.01	.01	.01	.01
17.3875	.01	.01	.01	.01	.01
17.4500	.01	.01	.01	.01	.01
17.5125	.01	.01	.01	.01	.01
17.5750	.01	.01	.01	.01	.01
17.6375	.01	.01	.01	.01	.01
17.7000	.01	.01	.01	.01	.01
17.7625	.01	.01	.01	.01	.01
17.8250	.01	.01	.01	.01	.01
17.8875	.01	.01	.01	.01	.01
17.9500	.01	.01	.01	.01	.01
18.0125	.01	.01	.01	.01	.01
18.0750	.01	.01	.01	.01	.01
18.1375	.01	.01	.01	.01	.01
18.2000	.01	.01	.01	.01	.01
18.2625	.01	.01	.01	.01	.01
18.3250	.01	.01	.01	.01	.01
18.3875	.01	.01	.01	.01	.01
18.4500	.01	.01	.01	.01	.01
18.5125	.01	.01	.01	.01	.01
18.5750	.01	.01	.01	.01	.01
18.6375	.01	.01	.01	.01	.01
18.7000	.01	.01	.01	.01	.01
18.7625	.01	.01	.01	.01	.01
18.8250	.01	.01	.01	.01	.01
18.8875	.01	.01	.01	.01	.01
18.9500	.01	.01	.01	.01	.01
19.0125	.01	.01	.01	.01	.01
19.0750	.01	.01	.01	.01	.01
19.1375	.01	.01	.01	.01	.01
19.2000	.01	.01	.01	.01	.01
19.2625	.01	.01	.01	.01	.01
19.3250	.01	.01	.01	.01	.01
19.3875	.01	.01	.01	.01	.01
19.4500	.01	.01	.01	.01	.01
19.5125	.01	.01	.01	.01	.01
19.5750	.01	.01	.01	.01	.01
19.6375	.01	.01	.01	.01	.01
19.7000	.01	.01	.01	.01	.01
19.7625	.01	.01	.01	.01	.01
19.8250	.01	.01	.01	.01	.01
19.8875	.01	.01	.01	.01	.01
19.9500	.01	.01	.01	.01	.01
20.0125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.0750	.01	.01	.01	.01	.01
20.1375	.01	.01	.01	.01	.01
20.2000	.01	.01	.01	.01	.01
20.2625	.01	.01	.01	.01	.01
20.3250	.01	.01	.01	.01	.01
20.3875	.01	.01	.01	.01	.01
20.4500	.01	.01	.01	.01	.01
20.5125	.01	.01	.01	.01	.01
20.5750	.01	.01	.01	.01	.01
20.6375	.01	.01	.01	.01	.01
20.7000	.01	.01	.01	.01	.01
20.7625	.01	.01	.01	.01	.01
20.8250	.01	.01	.01	.01	.01
20.8875	.01	.01	.01	.01	.01
20.9500	.01	.01	.01	.01	.01
21.0125	.01	.01	.01	.01	.01
21.0750	.01	.00	.00	.00	.00
21.1375	.00	.00	.00	.00	.00
21.2000	.00	.00	.00	.00	.00
21.2625	.00	.00	.00	.00	.00
21.3250	.00	.00	.00	.00	.00
21.3875	.00	.00	.00	.00	.00
21.4500	.00	.00	.00	.00	.00
21.5125	.00	.00	.00	.00	.00
21.5750	.00	.00	.00	.00	.00
21.6375	.00	.00	.00	.00	.00
21.7000	.00	.00	.00	.00	.00
21.7625	.00	.00	.00	.00	.00
21.8250	.00	.00	.00	.00	.00
21.8875	.00	.00	.00	.00	.00
21.9500	.00	.00	.00	.00	.00
22.0125	.00	.00	.00	.00	.00
22.0750	.00	.00	.00	.00	.00
22.1375	.00	.00	.00	.00	.00
22.2000	.00	.00	.00	.00	.00
22.2625	.00	.00	.00	.00	.00
22.3250	.00	.00	.00	.00	.00
22.3875	.00	.00	.00	.00	.00
22.4500	.00	.00	.00	.00	.00
22.5125	.00	.00	.00	.00	.00
22.5750	.00	.00	.00	.00	.00
22.6375	.00	.00	.00	.00	.00
22.7000	.00	.00	.00	.00	.00
22.7625	.00	.00	.00	.00	.00
22.8250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.8875	.00	.00	.00	.00	.00
22.9500	.00	.00	.00	.00	.00
23.0125	.00	.00	.00	.00	.00
23.0750	.00	.00	.00	.00	.00
23.1375	.00	.00	.00	.00	.00
23.2000	.00	.00	.00	.00	.00
23.2625	.00	.00	.00	.00	.00
23.3250	.00	.00	.00	.00	.00
23.3875	.00	.00	.00	.00	.00
23.4500	.00	.00	.00	.00	.00
23.5125	.00	.00	.00	.00	.00
23.5750	.00	.00	.00	.00	.00
23.6375	.00	.00	.00	.00	.00
23.7000	.00	.00	.00	.00	.00
23.7625	.00	.00	.00	.00	.00
23.8250	.00	.00	.00	.00	.00
23.8875	.00	.00	.00	.00	.00
23.9500	.00	.00	.00	.00	.00
24.0125	.00	.00	.00	.00	.00
24.0750	.00	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL BB

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH BB          D.A. BB        work_pad.hyg  D.A. BB       25
=====

```

INFLOWS TO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  D.A. BB      25           1163        12.1000     .33
-----

```

TOTAL FLOW INTO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  OUTFALL BB   25           1163        12.1000     .33
-----

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL BB

HYG Tag = 25

 Peak Discharge = .33 cfs
 Time to Peak = 12.1000 hrs
 HYG Volume = 1163 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
9.0625	.00	.00	.00	.00	.00
9.1250	.00	.00	.00	.00	.00
9.1875	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.3125	.00	.00	.00	.00	.00
9.3750	.00	.00	.00	.00	.00
9.4375	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.5625	.00	.00	.00	.00	.00
9.6250	.00	.00	.00	.00	.00
9.6875	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
9.8125	.00	.00	.00	.00	.00
9.8750	.00	.00	.00	.00	.00
9.9375	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.0625	.00	.01	.01	.01	.01
10.1250	.01	.01	.01	.01	.01
10.1875	.01	.01	.01	.01	.01
10.2500	.01	.01	.01	.01	.01
10.3125	.01	.01	.01	.01	.01
10.3750	.01	.01	.01	.01	.01
10.4375	.01	.01	.01	.01	.01
10.5000	.01	.01	.01	.01	.01
10.5625	.01	.01	.01	.01	.01
10.6250	.01	.01	.01	.01	.01
10.6875	.01	.01	.01	.01	.01
10.7500	.01	.01	.01	.01	.01
10.8125	.01	.01	.01	.01	.01
10.8750	.01	.01	.01	.01	.01
10.9375	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.0000	.01	.01	.01	.01	.01
11.0625	.01	.01	.01	.01	.01
11.1250	.01	.02	.02	.02	.02
11.1875	.02	.02	.02	.02	.02
11.2500	.02	.02	.02	.02	.02
11.3125	.02	.02	.02	.02	.02
11.3750	.02	.02	.02	.02	.02
11.4375	.02	.02	.02	.03	.03
11.5000	.03	.03	.03	.03	.03
11.5625	.03	.04	.04	.04	.04
11.6250	.04	.04	.05	.05	.06
11.6875	.06	.06	.06	.07	.07
11.7500	.08	.08	.09	.09	.09
11.8125	.10	.10	.11	.11	.12
11.8750	.12	.13	.13	.14	.15
11.9375	.17	.19	.22	.24	.26
12.0000	.28	.29	.30	.31	.31
12.0625	.32	.32	.33	.33	.33
12.1250	.33	.31	.28	.26	.24
12.1875	.22	.21	.20	.19	.19
12.2500	.18	.17	.17	.16	.16
12.3125	.16	.15	.15	.14	.13
12.3750	.13	.12	.12	.12	.11
12.4375	.11	.10	.09	.09	.08
12.5000	.08	.08	.08	.07	.07
12.5625	.06	.06	.06	.06	.06
12.6250	.06	.05	.05	.05	.05
12.6875	.05	.05	.05	.05	.05
12.7500	.05	.05	.05	.05	.05
12.8125	.05	.05	.04	.04	.04
12.8750	.04	.04	.04	.04	.04
12.9375	.04	.04	.04	.04	.04
13.0000	.04	.04	.04	.04	.04
13.0625	.04	.04	.04	.04	.03
13.1250	.03	.03	.03	.03	.03
13.1875	.03	.03	.03	.03	.03
13.2500	.03	.03	.03	.03	.03
13.3125	.03	.03	.03	.03	.03
13.3750	.03	.03	.03	.03	.03
13.4375	.03	.03	.03	.03	.03
13.5000	.03	.03	.03	.03	.03
13.5625	.03	.03	.03	.03	.03
13.6250	.03	.03	.03	.03	.03
13.6875	.03	.03	.03	.03	.03
13.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.8125	.03	.03	.03	.03	.03
13.8750	.03	.03	.03	.03	.03
13.9375	.03	.03	.03	.03	.03
14.0000	.03	.02	.02	.02	.02
14.0625	.02	.02	.02	.02	.02
14.1250	.02	.02	.02	.02	.02
14.1875	.02	.02	.02	.02	.02
14.2500	.02	.02	.02	.02	.02
14.3125	.02	.02	.02	.02	.02
14.3750	.02	.02	.02	.02	.02
14.4375	.02	.02	.02	.02	.02
14.5000	.02	.02	.02	.02	.02
14.5625	.02	.02	.02	.02	.02
14.6250	.02	.02	.02	.02	.02
14.6875	.02	.02	.02	.02	.02
14.7500	.02	.02	.02	.02	.02
14.8125	.02	.02	.02	.02	.02
14.8750	.02	.02	.02	.02	.02
14.9375	.02	.02	.02	.02	.02
15.0000	.02	.02	.02	.02	.02
15.0625	.02	.02	.02	.02	.02
15.1250	.02	.02	.02	.02	.02
15.1875	.02	.02	.02	.02	.02
15.2500	.02	.02	.02	.02	.02
15.3125	.02	.02	.02	.02	.02
15.3750	.02	.02	.02	.02	.02
15.4375	.02	.02	.02	.02	.02
15.5000	.02	.02	.02	.02	.02
15.5625	.02	.02	.02	.02	.02
15.6250	.02	.02	.02	.02	.02
15.6875	.02	.02	.02	.02	.02
15.7500	.02	.02	.01	.01	.01
15.8125	.01	.01	.01	.01	.01
15.8750	.01	.01	.01	.01	.01
15.9375	.01	.01	.01	.01	.01
16.0000	.01	.01	.01	.01	.01
16.0625	.01	.01	.01	.01	.01
16.1250	.01	.01	.01	.01	.01
16.1875	.01	.01	.01	.01	.01
16.2500	.01	.01	.01	.01	.01
16.3125	.01	.01	.01	.01	.01
16.3750	.01	.01	.01	.01	.01
16.4375	.01	.01	.01	.01	.01
16.5000	.01	.01	.01	.01	.01
16.5625	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.6250	.01	.01	.01	.01	.01
16.6875	.01	.01	.01	.01	.01
16.7500	.01	.01	.01	.01	.01
16.8125	.01	.01	.01	.01	.01
16.8750	.01	.01	.01	.01	.01
16.9375	.01	.01	.01	.01	.01
17.0000	.01	.01	.01	.01	.01
17.0625	.01	.01	.01	.01	.01
17.1250	.01	.01	.01	.01	.01
17.1875	.01	.01	.01	.01	.01
17.2500	.01	.01	.01	.01	.01
17.3125	.01	.01	.01	.01	.01
17.3750	.01	.01	.01	.01	.01
17.4375	.01	.01	.01	.01	.01
17.5000	.01	.01	.01	.01	.01
17.5625	.01	.01	.01	.01	.01
17.6250	.01	.01	.01	.01	.01
17.6875	.01	.01	.01	.01	.01
17.7500	.01	.01	.01	.01	.01
17.8125	.01	.01	.01	.01	.01
17.8750	.01	.01	.01	.01	.01
17.9375	.01	.01	.01	.01	.01
18.0000	.01	.01	.01	.01	.01
18.0625	.01	.01	.01	.01	.01
18.1250	.01	.01	.01	.01	.01
18.1875	.01	.01	.01	.01	.01
18.2500	.01	.01	.01	.01	.01
18.3125	.01	.01	.01	.01	.01
18.3750	.01	.01	.01	.01	.01
18.4375	.01	.01	.01	.01	.01
18.5000	.01	.01	.01	.01	.01
18.5625	.01	.01	.01	.01	.01
18.6250	.01	.01	.01	.01	.01
18.6875	.01	.01	.01	.01	.01
18.7500	.01	.01	.01	.01	.01
18.8125	.01	.01	.01	.01	.01
18.8750	.01	.01	.01	.01	.01
18.9375	.01	.01	.01	.01	.01
19.0000	.01	.01	.01	.01	.01
19.0625	.01	.01	.01	.01	.01
19.1250	.01	.01	.01	.01	.01
19.1875	.01	.01	.01	.01	.01
19.2500	.01	.01	.01	.01	.01
19.3125	.01	.01	.01	.01	.01
19.3750	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.4375	.01	.01	.01	.01	.01
19.5000	.01	.01	.01	.01	.01
19.5625	.01	.01	.01	.01	.01
19.6250	.01	.01	.01	.01	.01
19.6875	.01	.01	.01	.01	.01
19.7500	.01	.01	.01	.01	.01
19.8125	.01	.01	.01	.01	.01
19.8750	.01	.01	.01	.01	.01
19.9375	.01	.01	.01	.01	.01
20.0000	.01	.01	.01	.01	.01
20.0625	.01	.01	.01	.01	.01
20.1250	.01	.01	.01	.01	.01
20.1875	.01	.01	.01	.01	.01
20.2500	.01	.01	.01	.01	.01
20.3125	.01	.01	.01	.01	.01
20.3750	.01	.01	.01	.01	.01
20.4375	.01	.01	.01	.01	.01
20.5000	.01	.01	.01	.01	.01
20.5625	.01	.01	.01	.01	.01
20.6250	.01	.01	.01	.01	.01
20.6875	.01	.01	.01	.01	.01
20.7500	.01	.01	.01	.01	.01
20.8125	.01	.01	.01	.01	.01
20.8750	.01	.01	.01	.01	.01
20.9375	.01	.01	.01	.01	.01
21.0000	.01	.01	.01	.01	.01
21.0625	.01	.01	.01	.01	.01
21.1250	.01	.01	.01	.01	.01
21.1875	.01	.01	.01	.01	.01
21.2500	.01	.01	.01	.01	.01
21.3125	.01	.01	.01	.01	.01
21.3750	.01	.01	.01	.01	.01
21.4375	.01	.01	.01	.01	.01
21.5000	.01	.01	.01	.01	.01
21.5625	.01	.01	.01	.01	.01
21.6250	.01	.01	.01	.01	.01
21.6875	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
21.8125	.01	.01	.01	.01	.01
21.8750	.01	.01	.01	.01	.01
21.9375	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.0625	.01	.01	.01	.01	.01
22.1250	.01	.01	.01	.01	.01
22.1875	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.2500	.01	.01	.01	.01	.01
22.3125	.01	.01	.01	.01	.01
22.3750	.01	.01	.01	.01	.01
22.4375	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.5625	.01	.01	.01	.01	.01
22.6250	.01	.01	.01	.01	.01
22.6875	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
22.8125	.01	.01	.01	.01	.01
22.8750	.01	.01	.01	.01	.01
22.9375	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.0625	.01	.01	.01	.01	.01
23.1250	.01	.01	.01	.01	.01
23.1875	.01	.01	.01	.01	.01
23.2500	.01	.00	.00	.00	.00
23.3125	.00	.00	.00	.00	.00
23.3750	.00	.00	.00	.00	.00
23.4375	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.5625	.00	.00	.00	.00	.00
23.6250	.00	.00	.00	.00	.00
23.6875	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
23.8125	.00	.00	.00	.00	.00
23.8750	.00	.00	.00	.00	.00
23.9375	.00	.00	.00	.00	.00
24.0000	.00	.00	.00	.00	.00
24.0625	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL BB

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH BB          D.A. BB        work_pad.hyg  D.A. BB       50
=====

```

INFLOWS TO: OUTFALL BB

```

----- Volume      Peak Time      Peak Flow
HYG file   HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg D.A. BB      50            1313          12.1000       .38

```

TOTAL FLOW INTO: OUTFALL BB

```

----- Volume      Peak Time      Peak Flow
HYG file   HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg OUTFALL BB  50            1313          12.1000       .38

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL BB

HYG Tag = 50

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-----
Peak Discharge =          .38 cfs
Time to Peak   =         12.1000 hrs
HYG Volume     =         1313 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.01	.01	.01
9.8375	.01	.01	.01	.01	.01
9.9000	.01	.01	.01	.01	.01
9.9625	.01	.01	.01	.01	.01
10.0250	.01	.01	.01	.01	.01
10.0875	.01	.01	.01	.01	.01
10.1500	.01	.01	.01	.01	.01
10.2125	.01	.01	.01	.01	.01
10.2750	.01	.01	.01	.01	.01
10.3375	.01	.01	.01	.01	.01
10.4000	.01	.01	.01	.01	.01
10.4625	.01	.01	.01	.01	.01
10.5250	.01	.01	.01	.01	.01
10.5875	.01	.01	.01	.01	.01
10.6500	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.7125	.01	.01	.01	.01	.01
10.7750	.01	.01	.01	.01	.01
10.8375	.01	.01	.01	.01	.01
10.9000	.01	.01	.01	.01	.01
10.9625	.02	.02	.02	.02	.02
11.0250	.02	.02	.02	.02	.02
11.0875	.02	.02	.02	.02	.02
11.1500	.02	.02	.02	.02	.02
11.2125	.02	.02	.02	.02	.02
11.2750	.02	.02	.02	.02	.02
11.3375	.02	.03	.03	.03	.03
11.4000	.03	.03	.03	.03	.03
11.4625	.03	.03	.03	.03	.03
11.5250	.03	.03	.04	.04	.04
11.5875	.04	.04	.05	.05	.05
11.6500	.06	.06	.07	.07	.07
11.7125	.08	.08	.08	.09	.10
11.7750	.10	.10	.11	.11	.12
11.8375	.12	.13	.13	.14	.15
11.9000	.15	.16	.17	.19	.22
11.9625	.25	.28	.30	.31	.33
12.0250	.34	.35	.35	.36	.37
12.0875	.37	.38	.38	.37	.35
12.1500	.32	.29	.27	.25	.24
12.2125	.23	.22	.21	.20	.19
12.2750	.18	.18	.18	.17	.17
12.3375	.16	.16	.15	.14	.14
12.4000	.13	.13	.13	.12	.11
12.4625	.11	.10	.09	.09	.09
12.5250	.09	.08	.08	.07	.07
12.5875	.07	.06	.06	.06	.06
12.6500	.06	.06	.06	.06	.06
12.7125	.06	.06	.05	.05	.05
12.7750	.05	.05	.05	.05	.05
12.8375	.05	.05	.05	.05	.05
12.9000	.05	.05	.05	.05	.04
12.9625	.04	.04	.04	.04	.04
13.0250	.04	.04	.04	.04	.04
13.0875	.04	.04	.04	.04	.04
13.1500	.04	.04	.04	.04	.04
13.2125	.04	.04	.04	.04	.04
13.2750	.04	.04	.04	.04	.04
13.3375	.04	.04	.04	.04	.04
13.4000	.04	.04	.03	.03	.03
13.4625	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
13.5250	.03	.03	.03	.03	.03
13.5875	.03	.03	.03	.03	.03
13.6500	.03	.03	.03	.03	.03
13.7125	.03	.03	.03	.03	.03
13.7750	.03	.03	.03	.03	.03
13.8375	.03	.03	.03	.03	.03
13.9000	.03	.03	.03	.03	.03
13.9625	.03	.03	.03	.03	.03
14.0250	.03	.03	.03	.03	.03
14.0875	.03	.03	.03	.03	.03
14.1500	.03	.03	.03	.03	.03
14.2125	.03	.03	.03	.03	.03
14.2750	.03	.03	.03	.03	.03
14.3375	.03	.03	.03	.03	.03
14.4000	.02	.02	.02	.02	.02
14.4625	.02	.02	.02	.02	.02
14.5250	.02	.02	.02	.02	.02
14.5875	.02	.02	.02	.02	.02
14.6500	.02	.02	.02	.02	.02
14.7125	.02	.02	.02	.02	.02
14.7750	.02	.02	.02	.02	.02
14.8375	.02	.02	.02	.02	.02
14.9000	.02	.02	.02	.02	.02
14.9625	.02	.02	.02	.02	.02
15.0250	.02	.02	.02	.02	.02
15.0875	.02	.02	.02	.02	.02
15.1500	.02	.02	.02	.02	.02
15.2125	.02	.02	.02	.02	.02
15.2750	.02	.02	.02	.02	.02
15.3375	.02	.02	.02	.02	.02
15.4000	.02	.02	.02	.02	.02
15.4625	.02	.02	.02	.02	.02
15.5250	.02	.02	.02	.02	.02
15.5875	.02	.02	.02	.02	.02
15.6500	.02	.02	.02	.02	.02
15.7125	.02	.02	.02	.02	.02
15.7750	.02	.02	.02	.02	.02
15.8375	.02	.02	.02	.02	.02
15.9000	.02	.02	.02	.02	.02
15.9625	.02	.02	.02	.02	.02
16.0250	.02	.01	.01	.01	.01
16.0875	.01	.01	.01	.01	.01
16.1500	.01	.01	.01	.01	.01
16.2125	.01	.01	.01	.01	.01
16.2750	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.3375	.01	.01	.01	.01	.01
16.4000	.01	.01	.01	.01	.01
16.4625	.01	.01	.01	.01	.01
16.5250	.01	.01	.01	.01	.01
16.5875	.01	.01	.01	.01	.01
16.6500	.01	.01	.01	.01	.01
16.7125	.01	.01	.01	.01	.01
16.7750	.01	.01	.01	.01	.01
16.8375	.01	.01	.01	.01	.01
16.9000	.01	.01	.01	.01	.01
16.9625	.01	.01	.01	.01	.01
17.0250	.01	.01	.01	.01	.01
17.0875	.01	.01	.01	.01	.01
17.1500	.01	.01	.01	.01	.01
17.2125	.01	.01	.01	.01	.01
17.2750	.01	.01	.01	.01	.01
17.3375	.01	.01	.01	.01	.01
17.4000	.01	.01	.01	.01	.01
17.4625	.01	.01	.01	.01	.01
17.5250	.01	.01	.01	.01	.01
17.5875	.01	.01	.01	.01	.01
17.6500	.01	.01	.01	.01	.01
17.7125	.01	.01	.01	.01	.01
17.7750	.01	.01	.01	.01	.01
17.8375	.01	.01	.01	.01	.01
17.9000	.01	.01	.01	.01	.01
17.9625	.01	.01	.01	.01	.01
18.0250	.01	.01	.01	.01	.01
18.0875	.01	.01	.01	.01	.01
18.1500	.01	.01	.01	.01	.01
18.2125	.01	.01	.01	.01	.01
18.2750	.01	.01	.01	.01	.01
18.3375	.01	.01	.01	.01	.01
18.4000	.01	.01	.01	.01	.01
18.4625	.01	.01	.01	.01	.01
18.5250	.01	.01	.01	.01	.01
18.5875	.01	.01	.01	.01	.01
18.6500	.01	.01	.01	.01	.01
18.7125	.01	.01	.01	.01	.01
18.7750	.01	.01	.01	.01	.01
18.8375	.01	.01	.01	.01	.01
18.9000	.01	.01	.01	.01	.01
18.9625	.01	.01	.01	.01	.01
19.0250	.01	.01	.01	.01	.01
19.0875	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
19.1500	.01	.01	.01	.01	.01
19.2125	.01	.01	.01	.01	.01
19.2750	.01	.01	.01	.01	.01
19.3375	.01	.01	.01	.01	.01
19.4000	.01	.01	.01	.01	.01
19.4625	.01	.01	.01	.01	.01
19.5250	.01	.01	.01	.01	.01
19.5875	.01	.01	.01	.01	.01
19.6500	.01	.01	.01	.01	.01
19.7125	.01	.01	.01	.01	.01
19.7750	.01	.01	.01	.01	.01
19.8375	.01	.01	.01	.01	.01
19.9000	.01	.01	.01	.01	.01
19.9625	.01	.01	.01	.01	.01
20.0250	.01	.01	.01	.01	.01
20.0875	.01	.01	.01	.01	.01
20.1500	.01	.01	.01	.01	.01
20.2125	.01	.01	.01	.01	.01
20.2750	.01	.01	.01	.01	.01
20.3375	.01	.01	.01	.01	.01
20.4000	.01	.01	.01	.01	.01
20.4625	.01	.01	.01	.01	.01
20.5250	.01	.01	.01	.01	.01
20.5875	.01	.01	.01	.01	.01
20.6500	.01	.01	.01	.01	.01
20.7125	.01	.01	.01	.01	.01
20.7750	.01	.01	.01	.01	.01
20.8375	.01	.01	.01	.01	.01
20.9000	.01	.01	.01	.01	.01
20.9625	.01	.01	.01	.01	.01
21.0250	.01	.01	.01	.01	.01
21.0875	.01	.01	.01	.01	.01
21.1500	.01	.01	.01	.01	.01
21.2125	.01	.01	.01	.01	.01
21.2750	.01	.01	.01	.01	.01
21.3375	.01	.01	.01	.01	.01
21.4000	.01	.01	.01	.01	.01
21.4625	.01	.01	.01	.01	.01
21.5250	.01	.01	.01	.01	.01
21.5875	.01	.01	.01	.01	.01
21.6500	.01	.01	.01	.01	.01
21.7125	.01	.01	.01	.01	.01
21.7750	.01	.01	.01	.01	.01
21.8375	.01	.01	.01	.01	.01
21.9000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9625	.01	.01	.01	.01	.01
22.0250	.01	.01	.01	.01	.01
22.0875	.01	.01	.01	.01	.01
22.1500	.01	.01	.01	.01	.01
22.2125	.01	.01	.01	.01	.01
22.2750	.01	.01	.01	.01	.01
22.3375	.01	.01	.01	.01	.01
22.4000	.01	.01	.01	.01	.01
22.4625	.01	.01	.01	.01	.01
22.5250	.01	.01	.01	.01	.01
22.5875	.01	.01	.01	.01	.01
22.6500	.01	.01	.01	.01	.01
22.7125	.01	.01	.01	.01	.01
22.7750	.01	.01	.01	.01	.01
22.8375	.01	.01	.01	.01	.01
22.9000	.01	.01	.01	.01	.01
22.9625	.01	.01	.01	.01	.01
23.0250	.01	.01	.01	.01	.01
23.0875	.01	.01	.01	.01	.01
23.1500	.01	.01	.01	.01	.01
23.2125	.01	.01	.01	.01	.01
23.2750	.01	.01	.01	.01	.01
23.3375	.01	.01	.01	.01	.01
23.4000	.01	.01	.01	.01	.01
23.4625	.01	.01	.01	.01	.01
23.5250	.01	.01	.01	.01	.01
23.5875	.01	.01	.01	.01	.01
23.6500	.01	.01	.01	.01	.01
23.7125	.01	.01	.01	.01	.01
23.7750	.01	.01	.01	.01	.01
23.8375	.01	.01	.01	.01	.01
23.9000	.01	.01	.01	.01	.01
23.9625	.01	.01	.01	.01	.00
24.0250	.00	.00	.00	.00	.00
24.0875	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL BB

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH BB          D.A. BB          work_pad.hyg  D.A. BB       100
=====

```

INFLOWS TO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg  D.A. BB       100          1465        12.1000      .42

```

TOTAL FLOW INTO: OUTFALL BB

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              cu.ft         hrs           cfs
-----
work_pad.hyg  OUTFALL BB    100          1465        12.1000      .42

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL BB

HYG Tag = 100

 Peak Discharge = .42 cfs
 Time to Peak = 12.1000 hrs
 HYG Volume = 1465 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
8.5125	.00	.00	.00	.00	.00
8.5750	.00	.00	.00	.00	.00
8.6375	.00	.00	.00	.00	.00
8.7000	.00	.00	.00	.00	.00
8.7625	.00	.00	.00	.00	.00
8.8250	.00	.00	.00	.00	.00
8.8875	.00	.00	.00	.00	.00
8.9500	.00	.00	.00	.00	.00
9.0125	.00	.00	.00	.00	.00
9.0750	.00	.00	.00	.00	.00
9.1375	.00	.00	.00	.00	.00
9.2000	.00	.00	.00	.00	.00
9.2625	.00	.00	.00	.00	.00
9.3250	.00	.00	.00	.00	.00
9.3875	.00	.00	.00	.00	.00
9.4500	.00	.00	.00	.00	.00
9.5125	.00	.00	.01	.01	.01
9.5750	.01	.01	.01	.01	.01
9.6375	.01	.01	.01	.01	.01
9.7000	.01	.01	.01	.01	.01
9.7625	.01	.01	.01	.01	.01
9.8250	.01	.01	.01	.01	.01
9.8875	.01	.01	.01	.01	.01
9.9500	.01	.01	.01	.01	.01
10.0125	.01	.01	.01	.01	.01
10.0750	.01	.01	.01	.01	.01
10.1375	.01	.01	.01	.01	.01
10.2000	.01	.01	.01	.01	.01
10.2625	.01	.01	.01	.01	.01
10.3250	.01	.01	.01	.01	.01
10.3875	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.4500	.01	.01	.01	.01	.01
10.5125	.01	.01	.01	.01	.01
10.5750	.01	.01	.01	.01	.01
10.6375	.01	.01	.01	.01	.01
10.7000	.01	.01	.01	.01	.02
10.7625	.02	.02	.02	.02	.02
10.8250	.02	.02	.02	.02	.02
10.8875	.02	.02	.02	.02	.02
10.9500	.02	.02	.02	.02	.02
11.0125	.02	.02	.02	.02	.02
11.0750	.02	.02	.02	.02	.02
11.1375	.02	.02	.02	.02	.02
11.2000	.02	.02	.02	.02	.03
11.2625	.03	.03	.03	.03	.03
11.3250	.03	.03	.03	.03	.03
11.3875	.03	.03	.03	.03	.03
11.4500	.03	.03	.03	.04	.04
11.5125	.04	.04	.04	.04	.05
11.5750	.05	.05	.05	.05	.06
11.6375	.06	.07	.07	.08	.08
11.7000	.08	.09	.09	.10	.10
11.7625	.11	.11	.12	.12	.13
11.8250	.13	.14	.15	.15	.16
11.8875	.17	.17	.18	.19	.22
11.9500	.25	.28	.31	.34	.35
12.0125	.37	.38	.39	.40	.40
12.0750	.41	.41	.42	.42	.41
12.1375	.39	.36	.32	.29	.27
12.2000	.26	.25	.24	.23	.22
12.2625	.21	.20	.20	.20	.19
12.3250	.19	.18	.17	.16	.16
12.3875	.15	.15	.15	.14	.13
12.4500	.12	.12	.11	.10	.10
12.5125	.10	.09	.09	.08	.08
12.5750	.08	.07	.07	.07	.07
12.6375	.07	.06	.06	.06	.06
12.7000	.06	.06	.06	.06	.06
12.7625	.06	.06	.06	.06	.06
12.8250	.06	.05	.05	.05	.05
12.8875	.05	.05	.05	.05	.05
12.9500	.05	.05	.05	.05	.05
13.0125	.05	.05	.05	.04	.04
13.0750	.04	.04	.04	.04	.04
13.1375	.04	.04	.04	.04	.04
13.2000	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.2625	.04	.04	.04	.04	.04
13.3250	.04	.04	.04	.04	.04
13.3875	.04	.04	.04	.04	.04
13.4500	.04	.04	.04	.04	.04
13.5125	.04	.04	.04	.04	.04
13.5750	.04	.04	.04	.04	.04
13.6375	.04	.04	.03	.03	.03
13.7000	.03	.03	.03	.03	.03
13.7625	.03	.03	.03	.03	.03
13.8250	.03	.03	.03	.03	.03
13.8875	.03	.03	.03	.03	.03
13.9500	.03	.03	.03	.03	.03
14.0125	.03	.03	.03	.03	.03
14.0750	.03	.03	.03	.03	.03
14.1375	.03	.03	.03	.03	.03
14.2000	.03	.03	.03	.03	.03
14.2625	.03	.03	.03	.03	.03
14.3250	.03	.03	.03	.03	.03
14.3875	.03	.03	.03	.03	.03
14.4500	.03	.03	.03	.03	.03
14.5125	.03	.03	.03	.03	.03
14.5750	.03	.03	.03	.03	.03
14.6375	.03	.03	.03	.03	.03
14.7000	.03	.03	.03	.03	.03
14.7625	.02	.02	.02	.02	.02
14.8250	.02	.02	.02	.02	.02
14.8875	.02	.02	.02	.02	.02
14.9500	.02	.02	.02	.02	.02
15.0125	.02	.02	.02	.02	.02
15.0750	.02	.02	.02	.02	.02
15.1375	.02	.02	.02	.02	.02
15.2000	.02	.02	.02	.02	.02
15.2625	.02	.02	.02	.02	.02
15.3250	.02	.02	.02	.02	.02
15.3875	.02	.02	.02	.02	.02
15.4500	.02	.02	.02	.02	.02
15.5125	.02	.02	.02	.02	.02
15.5750	.02	.02	.02	.02	.02
15.6375	.02	.02	.02	.02	.02
15.7000	.02	.02	.02	.02	.02
15.7625	.02	.02	.02	.02	.02
15.8250	.02	.02	.02	.02	.02
15.8875	.02	.02	.02	.02	.02
15.9500	.02	.02	.02	.02	.02
16.0125	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.0750	.02	.02	.02	.02	.02
16.1375	.02	.02	.02	.02	.02
16.2000	.02	.02	.02	.02	.02
16.2625	.02	.02	.02	.02	.02
16.3250	.02	.02	.02	.02	.02
16.3875	.02	.02	.02	.02	.02
16.4500	.01	.01	.01	.01	.01
16.5125	.01	.01	.01	.01	.01
16.5750	.01	.01	.01	.01	.01
16.6375	.01	.01	.01	.01	.01
16.7000	.01	.01	.01	.01	.01
16.7625	.01	.01	.01	.01	.01
16.8250	.01	.01	.01	.01	.01
16.8875	.01	.01	.01	.01	.01
16.9500	.01	.01	.01	.01	.01
17.0125	.01	.01	.01	.01	.01
17.0750	.01	.01	.01	.01	.01
17.1375	.01	.01	.01	.01	.01
17.2000	.01	.01	.01	.01	.01
17.2625	.01	.01	.01	.01	.01
17.3250	.01	.01	.01	.01	.01
17.3875	.01	.01	.01	.01	.01
17.4500	.01	.01	.01	.01	.01
17.5125	.01	.01	.01	.01	.01
17.5750	.01	.01	.01	.01	.01
17.6375	.01	.01	.01	.01	.01
17.7000	.01	.01	.01	.01	.01
17.7625	.01	.01	.01	.01	.01
17.8250	.01	.01	.01	.01	.01
17.8875	.01	.01	.01	.01	.01
17.9500	.01	.01	.01	.01	.01
18.0125	.01	.01	.01	.01	.01
18.0750	.01	.01	.01	.01	.01
18.1375	.01	.01	.01	.01	.01
18.2000	.01	.01	.01	.01	.01
18.2625	.01	.01	.01	.01	.01
18.3250	.01	.01	.01	.01	.01
18.3875	.01	.01	.01	.01	.01
18.4500	.01	.01	.01	.01	.01
18.5125	.01	.01	.01	.01	.01
18.5750	.01	.01	.01	.01	.01
18.6375	.01	.01	.01	.01	.01
18.7000	.01	.01	.01	.01	.01
18.7625	.01	.01	.01	.01	.01
18.8250	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.8875	.01	.01	.01	.01	.01
18.9500	.01	.01	.01	.01	.01
19.0125	.01	.01	.01	.01	.01
19.0750	.01	.01	.01	.01	.01
19.1375	.01	.01	.01	.01	.01
19.2000	.01	.01	.01	.01	.01
19.2625	.01	.01	.01	.01	.01
19.3250	.01	.01	.01	.01	.01
19.3875	.01	.01	.01	.01	.01
19.4500	.01	.01	.01	.01	.01
19.5125	.01	.01	.01	.01	.01
19.5750	.01	.01	.01	.01	.01
19.6375	.01	.01	.01	.01	.01
19.7000	.01	.01	.01	.01	.01
19.7625	.01	.01	.01	.01	.01
19.8250	.01	.01	.01	.01	.01
19.8875	.01	.01	.01	.01	.01
19.9500	.01	.01	.01	.01	.01
20.0125	.01	.01	.01	.01	.01
20.0750	.01	.01	.01	.01	.01
20.1375	.01	.01	.01	.01	.01
20.2000	.01	.01	.01	.01	.01
20.2625	.01	.01	.01	.01	.01
20.3250	.01	.01	.01	.01	.01
20.3875	.01	.01	.01	.01	.01
20.4500	.01	.01	.01	.01	.01
20.5125	.01	.01	.01	.01	.01
20.5750	.01	.01	.01	.01	.01
20.6375	.01	.01	.01	.01	.01
20.7000	.01	.01	.01	.01	.01
20.7625	.01	.01	.01	.01	.01
20.8250	.01	.01	.01	.01	.01
20.8875	.01	.01	.01	.01	.01
20.9500	.01	.01	.01	.01	.01
21.0125	.01	.01	.01	.01	.01
21.0750	.01	.01	.01	.01	.01
21.1375	.01	.01	.01	.01	.01
21.2000	.01	.01	.01	.01	.01
21.2625	.01	.01	.01	.01	.01
21.3250	.01	.01	.01	.01	.01
21.3875	.01	.01	.01	.01	.01
21.4500	.01	.01	.01	.01	.01
21.5125	.01	.01	.01	.01	.01
21.5750	.01	.01	.01	.01	.01
21.6375	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
21.7000	.01	.01	.01	.01	.01
21.7625	.01	.01	.01	.01	.01
21.8250	.01	.01	.01	.01	.01
21.8875	.01	.01	.01	.01	.01
21.9500	.01	.01	.01	.01	.01
22.0125	.01	.01	.01	.01	.01
22.0750	.01	.01	.01	.01	.01
22.1375	.01	.01	.01	.01	.01
22.2000	.01	.01	.01	.01	.01
22.2625	.01	.01	.01	.01	.01
22.3250	.01	.01	.01	.01	.01
22.3875	.01	.01	.01	.01	.01
22.4500	.01	.01	.01	.01	.01
22.5125	.01	.01	.01	.01	.01
22.5750	.01	.01	.01	.01	.01
22.6375	.01	.01	.01	.01	.01
22.7000	.01	.01	.01	.01	.01
22.7625	.01	.01	.01	.01	.01
22.8250	.01	.01	.01	.01	.01
22.8875	.01	.01	.01	.01	.01
22.9500	.01	.01	.01	.01	.01
23.0125	.01	.01	.01	.01	.01
23.0750	.01	.01	.01	.01	.01
23.1375	.01	.01	.01	.01	.01
23.2000	.01	.01	.01	.01	.01
23.2625	.01	.01	.01	.01	.01
23.3250	.01	.01	.01	.01	.01
23.3875	.01	.01	.01	.01	.01
23.4500	.01	.01	.01	.01	.01
23.5125	.01	.01	.01	.01	.01
23.5750	.01	.01	.01	.01	.01
23.6375	.01	.01	.01	.01	.01
23.7000	.01	.01	.01	.01	.01
23.7625	.01	.01	.01	.01	.01
23.8250	.01	.01	.01	.01	.01
23.8875	.01	.01	.01	.01	.01
23.9500	.01	.01	.01	.01	.01
24.0125	.01	.01	.00	.00	.00
24.0750	.00	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: UTFALL CC

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-2       D.A. CC-2         work_pad.hyg  D.A. CC-2    2
REACH CC-1       D.A. CC-1         work_pad.hyg  D.A. CC-1    2
WQB CC-3 OUTLET  WQBASIN CC-3 IN   work_pad.hyg  WQB CC-3 OUTLET  2
DB CC-4 OUTLET   DB CC-4           IN            work_pad.hyg  DB CC-4 OUTLET  2
=====

```

INFLOWS TO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg  D.A. CC-2    2              7651          12.1375      1.98
work_pad.hyg  D.A. CC-1    2              31258         12.7000      3.73
work_pad.hyg  WQB CC-3 OUTLET  2              66606         12.1750      25.70
work_pad.hyg  DB CC-4 OUTLET  2              174573        12.5375      25.18

```

TOTAL FLOW INTO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg  UTFALL CC    2              280088        12.2375      40.72

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL CC

HYG Tag = 2

 Peak Discharge = 40.72 cfs
 Time to Peak = 12.2375 hrs
 HYG Volume = 280088 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
10.3500	.00	.00	.00	.00	.00
10.4125	.00	.00	.00	.00	.00
10.4750	.01	.01	.01	.01	.01
10.5375	.01	.01	.01	.01	.01
10.6000	.01	.01	.01	.01	.01
10.6625	.01	.02	.02	.02	.02
10.7250	.02	.02	.02	.02	.02
10.7875	.02	.02	.03	.03	.03
10.8500	.03	.03	.03	.03	.03
10.9125	.04	.04	.04	.04	.04
10.9750	.04	.04	.05	.05	.05
11.0375	.05	.05	.06	.06	.06
11.1000	.06	.06	.07	.07	.07
11.1625	.08	.08	.08	.08	.09
11.2250	.09	.09	.10	.10	.10
11.2875	.11	.11	.12	.12	.12
11.3500	.13	.13	.14	.14	.15
11.4125	.15	.16	.16	.17	.17
11.4750	.18	.18	.19	.20	.20
11.5375	.21	.22	.23	.24	.25
11.6000	.26	.27	.29	.30	.32
11.6625	.34	.36	.38	.40	.42
11.7250	.45	.47	.50	.53	.56
11.7875	.59	.63	.66	.70	.74
11.8500	.77	.81	.85	.90	.95
11.9125	1.01	1.08	1.17	1.26	1.37
11.9750	1.49	1.62	1.76	1.89	2.02
12.0375	2.17	2.31	2.45	2.57	2.69
12.1000	2.89	3.90	14.86	27.12	32.38
12.1625	34.84	36.30	37.30	38.05	38.66
12.2250	39.15	40.72	40.66	40.46	40.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.2875	40.03	39.84	39.67	39.51	39.36
12.3500	39.19	39.02	38.83	38.63	38.43
12.4125	38.22	38.04	38.05	38.12	38.17
12.4750	38.30	38.32	38.24	38.06	37.82
12.5375	37.50	37.12	36.68	36.18	35.64
12.6000	35.09	34.52	33.96	33.40	32.87
12.6625	32.37	31.91	31.54	31.25	30.98
12.7250	30.72	30.47	30.23	29.98	29.74
12.7875	29.51	29.27	29.04	28.81	28.55
12.8500	28.30	28.05	27.79	27.54	27.28
12.9125	27.03	26.77	26.52	26.26	26.00
12.9750	25.73	25.46	25.19	24.92	24.64
13.0375	24.37	24.10	23.83	23.56	23.29
13.1000	23.02	22.75	22.48	22.22	21.95
13.1625	21.69	20.55	19.84	19.53	19.23
13.2250	18.95	18.68	18.41	18.16	17.90
13.2875	17.66	17.40	17.18	16.93	16.72
13.3500	16.50	16.28	16.07	15.87	15.68
13.4125	15.48	15.30	15.11	14.93	14.76
13.4750	14.59	14.42	14.26	14.10	13.96
13.5375	13.80	13.66	13.51	13.37	13.23
13.6000	13.09	12.97	12.83	12.71	12.59
13.6625	12.47	12.35	12.24	12.12	12.00
13.7250	11.89	11.79	11.69	11.59	11.48
13.7875	11.38	11.28	11.19	11.10	11.02
13.8500	10.92	10.83	10.74	10.66	10.58
13.9125	10.49	10.40	10.32	10.25	10.17
13.9750	10.10	10.02	9.95	9.87	9.80
14.0375	9.73	9.66	9.59	9.53	9.46
14.1000	9.39	9.33	9.26	9.20	9.14
14.1625	9.08	9.02	8.96	8.90	8.85
14.2250	8.79	8.74	8.69	8.63	8.58
14.2875	8.54	8.49	8.44	8.39	8.35
14.3500	8.30	8.25	8.21	8.17	8.13
14.4125	8.08	8.04	8.00	7.95	7.91
14.4750	7.87	7.84	7.80	7.76	7.73
14.5375	7.69	7.66	7.62	7.58	7.54
14.6000	7.51	7.48	7.44	7.41	7.37
14.6625	7.34	7.30	7.27	7.24	7.21
14.7250	7.18	7.15	7.12	7.09	7.06
14.7875	7.03	7.00	6.97	6.93	6.91
14.8500	6.88	6.85	6.82	6.80	6.77
14.9125	6.74	6.72	6.69	6.66	6.64
14.9750	6.61	6.59	6.56	6.53	6.51
15.0375	6.48	6.46	6.43	6.40	6.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.1000	6.35	6.33	6.30	6.28	6.25
15.1625	6.23	6.20	6.17	6.15	6.12
15.2250	6.10	6.07	6.05	6.02	6.00
15.2875	5.98	5.95	5.93	5.90	5.88
15.3500	5.85	5.83	5.80	5.78	5.75
15.4125	5.73	5.71	5.68	5.66	5.63
15.4750	5.61	5.59	5.56	5.54	5.51
15.5375	5.49	5.47	5.44	5.42	5.40
15.6000	5.38	5.36	5.34	5.31	5.29
15.6625	5.27	5.24	5.22	5.19	5.17
15.7250	5.15	5.12	5.10	5.08	5.06
15.7875	5.04	5.01	4.99	4.97	4.95
15.8500	4.92	4.90	4.88	4.85	4.83
15.9125	4.81	4.79	4.77	4.75	4.72
15.9750	4.70	4.67	4.65	4.63	4.61
16.0375	4.59	4.57	4.55	4.53	4.51
16.1000	4.49	4.47	4.45	4.42	4.40
16.1625	4.38	4.36	4.34	4.32	4.30
16.2250	4.28	4.26	4.25	4.23	4.21
16.2875	4.19	4.18	4.16	4.14	4.13
16.3500	4.11	4.09	4.08	4.06	4.04
16.4125	4.02	4.01	3.99	3.97	3.96
16.4750	3.94	3.93	3.91	3.89	3.88
16.5375	3.87	3.85	3.84	3.83	3.81
16.6000	3.80	3.78	3.77	3.76	3.74
16.6625	3.73	3.72	3.71	3.70	3.68
16.7250	3.67	3.66	3.65	3.64	3.63
16.7875	3.61	3.60	3.59	3.58	3.56
16.8500	3.55	3.54	3.53	3.52	3.51
16.9125	3.50	3.49	3.48	3.47	3.46
16.9750	3.44	3.43	3.42	3.41	3.40
17.0375	3.39	3.38	3.37	3.36	3.34
17.1000	3.33	3.32	3.31	3.30	3.29
17.1625	3.28	3.27	3.26	3.25	3.24
17.2250	3.23	3.22	3.21	3.20	3.19
17.2875	3.18	3.17	3.16	3.15	3.14
17.3500	3.13	3.13	3.12	3.11	3.10
17.4125	3.09	3.08	3.07	3.06	3.05
17.4750	3.04	3.03	3.02	3.01	3.00
17.5375	2.99	2.98	2.97	2.96	2.95
17.6000	2.94	2.93	2.92	2.91	2.90
17.6625	2.89	2.88	2.87	2.87	2.86
17.7250	2.85	2.84	2.83	2.82	2.81
17.7875	2.80	2.79	2.78	2.77	2.76
17.8500	2.75	2.74	2.73	2.72	2.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9125	2.71	2.70	2.69	2.68	2.67
17.9750	2.66	2.65	2.64	2.63	2.62
18.0375	2.62	2.61	2.60	2.59	2.58
18.1000	2.57	2.56	2.55	2.54	2.54
18.1625	2.53	2.52	2.51	2.50	2.50
18.2250	2.49	2.48	2.47	2.47	2.46
18.2875	2.45	2.44	2.44	2.43	2.42
18.3500	2.42	2.41	2.41	2.40	2.40
18.4125	2.39	2.39	2.38	2.38	2.37
18.4750	2.37	2.36	2.36	2.35	2.35
18.5375	2.34	2.34	2.33	2.33	2.32
18.6000	2.32	2.32	2.31	2.31	2.30
18.6625	2.30	2.29	2.29	2.29	2.28
18.7250	2.28	2.27	2.27	2.27	2.26
18.7875	2.26	2.25	2.25	2.25	2.24
18.8500	2.24	2.24	2.23	2.23	2.23
18.9125	2.22	2.22	2.21	2.21	2.21
18.9750	2.20	2.20	2.20	2.20	2.19
19.0375	2.19	2.19	2.18	2.18	2.18
19.1000	2.18	2.17	2.17	2.17	2.16
19.1625	2.16	2.16	2.15	2.15	2.15
19.2250	2.15	2.14	2.14	2.14	2.14
19.2875	2.13	2.13	2.13	2.12	2.12
19.3500	2.12	2.12	2.11	2.11	2.11
19.4125	2.10	2.10	2.10	2.10	2.09
19.4750	2.09	2.09	2.08	2.08	2.08
19.5375	2.08	2.07	2.07	2.07	2.07
19.6000	2.06	2.06	2.06	2.05	2.05
19.6625	2.05	2.05	2.04	2.04	2.04
19.7250	2.03	2.03	2.03	2.03	2.02
19.7875	2.02	2.02	2.02	2.01	2.01
19.8500	2.01	2.01	2.00	2.00	2.00
19.9125	1.99	1.99	1.99	1.99	1.98
19.9750	1.98	1.98	1.97	1.97	1.97
20.0375	1.97	1.96	1.96	1.96	1.96
20.1000	1.95	1.95	1.95	1.94	1.94
20.1625	1.94	1.94	1.93	1.93	1.93
20.2250	1.93	1.93	1.92	1.92	1.92
20.2875	1.92	1.91	1.91	1.91	1.91
20.3500	1.90	1.90	1.90	1.90	1.89
20.4125	1.89	1.89	1.89	1.89	1.88
20.4750	1.88	1.88	1.88	1.88	1.87
20.5375	1.87	1.87	1.87	1.87	1.86
20.6000	1.86	1.86	1.86	1.85	1.85
20.6625	1.85	1.85	1.85	1.84	1.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7250	1.84	1.84	1.83	1.83	1.83
20.7875	1.83	1.82	1.82	1.82	1.82
20.8500	1.82	1.81	1.81	1.81	1.81
20.9125	1.81	1.80	1.80	1.80	1.80
20.9750	1.79	1.79	1.79	1.79	1.79
21.0375	1.78	1.78	1.78	1.78	1.78
21.1000	1.77	1.77	1.77	1.77	1.77
21.1625	1.76	1.76	1.76	1.76	1.76
21.2250	1.75	1.75	1.75	1.75	1.74
21.2875	1.74	1.74	1.74	1.74	1.73
21.3500	1.73	1.73	1.73	1.73	1.72
21.4125	1.72	1.72	1.72	1.72	1.71
21.4750	1.71	1.71	1.71	1.71	1.70
21.5375	1.70	1.70	1.70	1.69	1.69
21.6000	1.69	1.69	1.69	1.69	1.68
21.6625	1.68	1.68	1.68	1.68	1.67
21.7250	1.67	1.67	1.67	1.67	1.66
21.7875	1.66	1.66	1.66	1.66	1.66
21.8500	1.65	1.65	1.65	1.65	1.65
21.9125	1.64	1.64	1.64	1.64	1.64
21.9750	1.63	1.63	1.63	1.63	1.63
22.0375	1.62	1.62	1.62	1.62	1.62
22.1000	1.61	1.61	1.61	1.61	1.61
22.1625	1.60	1.60	1.60	1.60	1.60
22.2250	1.59	1.59	1.59	1.59	1.59
22.2875	1.58	1.58	1.58	1.58	1.57
22.3500	1.57	1.57	1.57	1.57	1.56
22.4125	1.56	1.56	1.56	1.56	1.55
22.4750	1.55	1.55	1.55	1.54	1.54
22.5375	1.54	1.54	1.54	1.53	1.53
22.6000	1.53	1.53	1.53	1.52	1.52
22.6625	1.52	1.52	1.52	1.51	1.51
22.7250	1.51	1.51	1.50	1.50	1.50
22.7875	1.50	1.50	1.49	1.49	1.49
22.8500	1.49	1.49	1.48	1.48	1.48
22.9125	1.48	1.48	1.47	1.47	1.47
22.9750	1.47	1.47	1.47	1.46	1.46
23.0375	1.46	1.46	1.46	1.45	1.45
23.1000	1.45	1.45	1.44	1.44	1.44
23.1625	1.44	1.44	1.43	1.43	1.43
23.2250	1.43	1.43	1.42	1.42	1.42
23.2875	1.42	1.42	1.41	1.41	1.41
23.3500	1.41	1.41	1.40	1.40	1.40
23.4125	1.40	1.40	1.39	1.39	1.39
23.4750	1.39	1.39	1.38	1.38	1.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5375	1.38	1.38	1.37	1.37	1.37
23.6000	1.37	1.37	1.36	1.36	1.36
23.6625	1.36	1.36	1.35	1.35	1.35
23.7250	1.35	1.35	1.34	1.34	1.34
23.7875	1.34	1.34	1.33	1.33	1.33
23.8500	1.33	1.33	1.32	1.32	1.32
23.9125	1.32	1.32	1.31	1.31	1.31
23.9750	1.31	1.30	1.30	1.30	1.30
24.0375	1.29	1.28	1.27	1.25	1.22
24.1000	1.20	1.17	1.13	1.10	1.06
24.1625	1.03	.99	.96	.92	.89
24.2250	.86	.82	.79	.76	.72
24.2875	.69	.66	.63	.60	.57
24.3500	.54	.51	.48	.45	.42
24.4125	.40	.37	.35	.32	.30
24.4750	.28	.26	.24	.22	.20
24.5375	.18	.17	.16	.14	.13
24.6000	.12	.12	.11	.10	.10
24.6625	.09	.09	.09	.08	.08
24.7250	.08	.08	.07	.07	.07
24.7875	.07	.06	.06	.06	.06
24.8500	.06	.06	.05	.05	.05
24.9125	.05	.05	.05	.04	.04
24.9750	.04	.04	.04	.04	.04
25.0375	.04	.03	.03	.03	.03
25.1000	.03	.03	.03	.03	.03
25.1625	.03	.03	.02	.02	.02
25.2250	.02	.02	.02	.02	.02
25.2875	.02	.02	.02	.02	.02
25.3500	.02	.02	.02	.02	.01
25.4125	.01	.01	.01	.01	.01
25.4750	.01	.01	.01	.01	.01
25.5375	.01	.01	.01	.01	.01
25.6000	.01	.01	.01	.01	.01
25.6625	.01	.01	.01	.01	.01
25.7250	.01	.01	.01	.01	.01
25.7875	.01	.01	.01	.01	.00
25.8500	.00	.00	.00	.00	.00
25.9125	.00	.00	.00	.00	.00
25.9750	.00	.00	.00	.00	.00
26.0375	.00	.00	.00	.00	.00
26.1000	.00	.00	.00	.00	.00
26.1625	.00	.00	.00	.00	.00
26.2250	.00	.00	.00	.00	.00
26.2875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
26.3500	.00	.00	.00	.00	.00
26.4125	.00	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: UTFALL CC

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-2       D.A. CC-2         work_pad.hyg  D.A. CC-2    10
REACH CC-1       D.A. CC-1         work_pad.hyg  D.A. CC-1    10
WQB CC-3 OUTLET  WQBASIN CC-3 IN   work_pad.hyg  WQB CC-3 OUTLET  10
DB CC-4 OUTLET   DB CC-4           IN            work_pad.hyg  DB CC-4 OUTLET  10
=====

```

INFLOWS TO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg  D.A. CC-2    10            17088         12.1375      4.54
work_pad.hyg  D.A. CC-1    10            70986         12.6875      8.92
work_pad.hyg  WQB CC-3 OUTLET  10          142259         12.1375     43.49
work_pad.hyg  DB CC-4 OUTLET  10          356576         12.2750     84.56

```

TOTAL FLOW INTO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg  UTFALL CC    10            586908        12.2375     125.46

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL CC

HYG Tag = 10

 Peak Discharge = 125.46 cfs
 Time to Peak = 12.2375 hrs
 HYG Volume = 586908 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
8.6000	.00	.00	.00	.00	.00
8.6625	.00	.00	.00	.00	.00
8.7250	.00	.00	.00	.01	.01
8.7875	.01	.01	.01	.01	.01
8.8500	.01	.01	.01	.01	.01
8.9125	.01	.01	.01	.01	.01
8.9750	.01	.02	.02	.02	.02
9.0375	.02	.02	.02	.02	.02
9.1000	.02	.02	.02	.02	.03
9.1625	.03	.03	.03	.03	.03
9.2250	.03	.03	.03	.04	.04
9.2875	.04	.04	.04	.04	.04
9.3500	.05	.05	.05	.05	.05
9.4125	.05	.06	.06	.06	.06
9.4750	.06	.07	.07	.07	.07
9.5375	.07	.08	.08	.08	.08
9.6000	.08	.09	.09	.09	.09
9.6625	.10	.10	.10	.10	.11
9.7250	.11	.11	.11	.12	.12
9.7875	.12	.13	.13	.13	.13
9.8500	.14	.14	.14	.15	.15
9.9125	.15	.15	.16	.16	.16
9.9750	.17	.17	.17	.18	.18
10.0375	.18	.19	.19	.19	.20
10.1000	.20	.20	.21	.21	.22
10.1625	.22	.22	.23	.23	.24
10.2250	.24	.24	.25	.25	.26
10.2875	.26	.26	.27	.27	.28
10.3500	.28	.29	.29	.30	.30
10.4125	.30	.31	.31	.32	.32
10.4750	.33	.33	.34	.34	.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.5375	.35	.36	.36	.37	.38
10.6000	.38	.39	.39	.40	.40
10.6625	.41	.41	.42	.43	.43
10.7250	.44	.44	.45	.46	.46
10.7875	.47	.47	.48	.49	.49
10.8500	.50	.51	.51	.52	.53
10.9125	.53	.54	.55	.55	.56
10.9750	.57	.58	.58	.59	.60
11.0375	.61	.61	.62	.63	.64
11.1000	.65	.66	.67	.68	.69
11.1625	.70	.71	.72	.73	.74
11.2250	.75	.76	.77	.78	.80
11.2875	.81	.82	.83	.85	.86
11.3500	.87	.89	.90	.91	.93
11.4125	.94	.96	.97	.99	1.00
11.4750	1.02	1.03	1.28	1.66	2.09
11.5375	2.53	2.95	3.37	3.77	4.15
11.6000	4.50	4.84	5.19	5.52	5.84
11.6625	6.18	6.55	7.72	11.91	14.69
11.7250	16.68	18.24	19.60	21.22	22.52
11.7875	23.74	24.94	26.16	27.40	28.68
11.8500	29.99	31.36	32.76	34.20	35.73
11.9125	38.47	39.88	41.45	43.20	45.24
11.9750	47.56	50.12	52.89	55.85	59.04
12.0375	61.99	64.80	68.55	73.81	79.73
12.1000	85.97	92.29	98.43	104.24	109.50
12.1625	114.06	117.87	120.85	123.04	124.49
12.2250	125.28	125.46	125.11	124.29	123.08
12.2875	121.66	120.09	118.21	116.12	113.87
12.3500	111.48	109.00	106.46	103.90	101.33
12.4125	98.79	96.26	93.72	91.22	88.75
12.4750	86.30	83.89	81.51	79.18	76.90
12.5375	74.68	72.50	70.35	68.21	66.13
12.6000	64.18	62.39	60.61	58.88	57.22
12.6625	55.63	54.13	52.70	51.30	49.96
12.7250	48.70	47.51	46.40	45.34	44.36
12.7875	43.43	42.56	41.75	40.99	40.23
12.8500	39.52	38.87	38.26	37.70	37.20
12.9125	36.78	36.48	36.20	35.93	35.64
12.9750	35.33	35.03	34.72	34.42	34.11
13.0375	33.80	33.49	33.19	32.88	32.57
13.1000	32.27	31.98	31.68	31.39	31.10
13.1625	30.81	30.52	30.24	29.95	29.67
13.2250	29.39	29.13	28.87	28.61	28.35
13.2875	28.10	27.84	27.59	27.33	27.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
13.3500	26.83	26.58	26.35	26.11	25.88
13.4125	25.65	25.42	25.18	24.95	24.72
13.4750	24.49	24.26	23.48	22.51	22.29
13.5375	22.05	21.81	21.60	21.38	21.16
13.6000	20.96	20.74	20.54	20.35	20.16
13.6625	19.98	19.80	19.61	19.43	19.27
13.7250	19.09	18.91	18.76	18.58	18.43
13.7875	18.28	18.12	17.97	17.83	17.69
13.8500	17.55	17.41	17.26	17.13	16.99
13.9125	16.86	16.73	16.61	16.48	16.36
13.9750	16.24	16.12	16.00	15.88	15.76
14.0375	15.65	15.54	15.44	15.33	15.22
14.1000	15.12	15.02	14.92	14.82	14.72
14.1625	14.62	14.52	14.43	14.35	14.26
14.2250	14.18	14.09	14.01	13.92	13.84
14.2875	13.77	13.69	13.61	13.53	13.46
14.3500	13.39	13.32	13.25	13.17	13.10
14.4125	13.03	12.96	12.90	12.84	12.78
14.4750	12.72	12.66	12.59	12.53	12.46
14.5375	12.40	12.34	12.29	12.23	12.18
14.6000	12.13	12.07	12.02	11.97	11.92
14.6625	11.86	11.80	11.75	11.70	11.65
14.7250	11.60	11.56	11.51	11.46	11.41
14.7875	11.36	11.31	11.26	11.22	11.17
14.8500	11.13	11.08	11.04	11.00	10.95
14.9125	10.91	10.87	10.82	10.78	10.74
14.9750	10.70	10.66	10.61	10.57	10.53
15.0375	10.49	10.45	10.41	10.37	10.33
15.1000	10.29	10.25	10.21	10.17	10.13
15.1625	10.09	10.05	10.01	9.97	9.93
15.2250	9.89	9.86	9.82	9.78	9.74
15.2875	9.70	9.67	9.63	9.59	9.55
15.3500	9.52	9.48	9.44	9.41	9.37
15.4125	9.33	9.30	9.26	9.22	9.19
15.4750	9.16	9.12	9.09	9.06	9.02
15.5375	8.99	8.95	8.91	8.88	8.84
15.6000	8.81	8.77	8.74	8.70	8.67
15.6625	8.64	8.61	8.57	8.54	8.50
15.7250	8.46	8.43	8.39	8.36	8.32
15.7875	8.29	8.26	8.22	8.19	8.16
15.8500	8.13	8.10	8.06	8.03	8.00
15.9125	7.96	7.92	7.89	7.86	7.82
15.9750	7.79	7.76	7.73	7.69	7.66
16.0375	7.62	7.59	7.56	7.52	7.49
16.1000	7.46	7.43	7.40	7.37	7.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.1625	7.31	7.28	7.25	7.22	7.19
16.2250	7.16	7.13	7.11	7.08	7.05
16.2875	7.03	7.00	6.98	6.95	6.93
16.3500	6.90	6.88	6.85	6.83	6.80
16.4125	6.78	6.75	6.73	6.70	6.68
16.4750	6.66	6.63	6.61	6.59	6.56
16.5375	6.54	6.52	6.49	6.47	6.45
16.6000	6.43	6.40	6.38	6.36	6.34
16.6625	6.32	6.29	6.27	6.25	6.23
16.7250	6.21	6.19	6.17	6.15	6.13
16.7875	6.10	6.08	6.06	6.04	6.02
16.8500	6.00	5.98	5.96	5.94	5.92
16.9125	5.90	5.88	5.86	5.84	5.83
16.9750	5.81	5.79	5.77	5.75	5.73
17.0375	5.71	5.69	5.67	5.66	5.64
17.1000	5.62	5.61	5.59	5.58	5.56
17.1625	5.54	5.52	5.50	5.49	5.47
17.2250	5.45	5.43	5.41	5.39	5.38
17.2875	5.36	5.34	5.32	5.31	5.29
17.3500	5.28	5.26	5.25	5.23	5.21
17.4125	5.20	5.18	5.16	5.14	5.12
17.4750	5.11	5.09	5.08	5.06	5.05
17.5375	5.03	5.02	5.00	4.98	4.97
17.6000	4.95	4.93	4.91	4.89	4.88
17.6625	4.86	4.85	4.83	4.82	4.80
17.7250	4.79	4.77	4.76	4.74	4.73
17.7875	4.71	4.70	4.68	4.66	4.65
17.8500	4.63	4.61	4.59	4.58	4.56
17.9125	4.54	4.53	4.52	4.50	4.49
17.9750	4.47	4.46	4.44	4.42	4.41
18.0375	4.39	4.38	4.36	4.35	4.33
18.1000	4.32	4.30	4.29	4.28	4.26
18.1625	4.25	4.23	4.22	4.20	4.19
18.2250	4.18	4.16	4.15	4.14	4.13
18.2875	4.11	4.10	4.09	4.08	4.06
18.3500	4.05	4.04	4.03	4.02	4.01
18.4125	4.00	3.99	3.98	3.97	3.96
18.4750	3.96	3.95	3.94	3.93	3.92
18.5375	3.91	3.90	3.89	3.88	3.88
18.6000	3.87	3.86	3.86	3.85	3.84
18.6625	3.83	3.83	3.82	3.81	3.81
18.7250	3.80	3.79	3.78	3.78	3.77
18.7875	3.76	3.76	3.75	3.74	3.74
18.8500	3.73	3.72	3.72	3.71	3.70
18.9125	3.70	3.69	3.69	3.68	3.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.9750	3.67	3.66	3.66	3.65	3.65
19.0375	3.64	3.64	3.63	3.63	3.62
19.1000	3.61	3.61	3.60	3.60	3.59
19.1625	3.59	3.58	3.57	3.57	3.56
19.2250	3.56	3.55	3.55	3.54	3.54
19.2875	3.53	3.53	3.52	3.52	3.51
19.3500	3.51	3.50	3.50	3.49	3.49
19.4125	3.48	3.48	3.47	3.47	3.46
19.4750	3.46	3.45	3.45	3.44	3.44
19.5375	3.43	3.43	3.42	3.42	3.41
19.6000	3.41	3.40	3.40	3.39	3.39
19.6625	3.38	3.38	3.37	3.37	3.36
19.7250	3.36	3.35	3.35	3.34	3.34
19.7875	3.34	3.33	3.33	3.32	3.32
19.8500	3.31	3.31	3.31	3.30	3.30
19.9125	3.29	3.29	3.29	3.28	3.28
19.9750	3.27	3.27	3.26	3.26	3.26
20.0375	3.25	3.25	3.24	3.24	3.24
20.1000	3.23	3.23	3.22	3.22	3.21
20.1625	3.21	3.20	3.20	3.19	3.19
20.2250	3.18	3.18	3.18	3.17	3.17
20.2875	3.16	3.16	3.15	3.15	3.15
20.3500	3.14	3.14	3.13	3.13	3.13
20.4125	3.12	3.12	3.11	3.11	3.11
20.4750	3.10	3.10	3.10	3.09	3.09
20.5375	3.08	3.08	3.08	3.07	3.07
20.6000	3.07	3.06	3.06	3.06	3.05
20.6625	3.05	3.04	3.04	3.04	3.03
20.7250	3.03	3.03	3.02	3.02	3.01
20.7875	3.01	3.01	3.00	3.00	3.00
20.8500	2.99	2.99	2.99	2.98	2.98
20.9125	2.98	2.97	2.97	2.97	2.96
20.9750	2.96	2.96	2.95	2.95	2.95
21.0375	2.94	2.94	2.94	2.93	2.93
21.1000	2.93	2.92	2.92	2.92	2.91
21.1625	2.91	2.90	2.90	2.90	2.89
21.2250	2.89	2.89	2.88	2.88	2.88
21.2875	2.87	2.87	2.87	2.86	2.86
21.3500	2.86	2.85	2.85	2.85	2.84
21.4125	2.84	2.84	2.83	2.83	2.83
21.4750	2.82	2.82	2.82	2.81	2.81
21.5375	2.80	2.80	2.80	2.79	2.79
21.6000	2.79	2.78	2.78	2.78	2.78
21.6625	2.77	2.77	2.77	2.76	2.76
21.7250	2.76	2.75	2.75	2.75	2.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.7875	2.74	2.74	2.73	2.73	2.73
21.8500	2.73	2.72	2.72	2.72	2.71
21.9125	2.71	2.71	2.70	2.70	2.70
21.9750	2.69	2.69	2.68	2.68	2.68
22.0375	2.67	2.67	2.67	2.66	2.66
22.1000	2.66	2.65	2.65	2.65	2.64
22.1625	2.64	2.64	2.63	2.63	2.63
22.2250	2.62	2.62	2.62	2.61	2.61
22.2875	2.60	2.60	2.60	2.59	2.59
22.3500	2.59	2.58	2.58	2.57	2.57
22.4125	2.57	2.57	2.56	2.56	2.56
22.4750	2.55	2.55	2.55	2.54	2.54
22.5375	2.53	2.53	2.53	2.52	2.52
22.6000	2.52	2.52	2.51	2.51	2.51
22.6625	2.50	2.50	2.50	2.49	2.49
22.7250	2.49	2.48	2.48	2.48	2.47
22.7875	2.47	2.47	2.46	2.46	2.46
22.8500	2.45	2.45	2.45	2.45	2.44
22.9125	2.44	2.44	2.43	2.43	2.43
22.9750	2.42	2.42	2.42	2.41	2.41
23.0375	2.41	2.40	2.40	2.40	2.39
23.1000	2.39	2.38	2.38	2.38	2.37
23.1625	2.37	2.37	2.36	2.36	2.36
23.2250	2.35	2.35	2.35	2.34	2.34
23.2875	2.34	2.33	2.33	2.32	2.32
23.3500	2.32	2.31	2.31	2.31	2.30
23.4125	2.30	2.30	2.29	2.29	2.29
23.4750	2.28	2.28	2.28	2.27	2.27
23.5375	2.27	2.26	2.26	2.26	2.25
23.6000	2.25	2.25	2.24	2.24	2.24
23.6625	2.23	2.23	2.23	2.22	2.22
23.7250	2.22	2.21	2.21	2.21	2.20
23.7875	2.20	2.20	2.20	2.19	2.19
23.8500	2.19	2.18	2.18	2.17	2.17
23.9125	2.17	2.16	2.16	2.16	2.15
23.9750	2.15	2.15	2.14	2.14	2.13
24.0375	2.12	2.10	2.08	2.05	2.01
24.1000	1.97	1.92	1.87	1.82	1.76
24.1625	1.71	1.65	1.60	1.56	1.51
24.2250	1.46	1.41	1.36	1.32	1.28
24.2875	1.23	1.18	1.14	1.09	1.05
24.3500	1.01	.96	.92	.88	.84
24.4125	.79	.76	.72	.68	.64
24.4750	.60	.57	.53	.50	.47
24.5375	.44	.41	.38	.35	.33

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6000	.31	.28	.26	.24	.23
24.6625	.21	.20	.18	.17	.16
24.7250	.15	.15	.14	.14	.13
24.7875	.13	.12	.12	.11	.11
24.8500	.11	.10	.10	.10	.10
24.9125	.09	.09	.09	.08	.08
24.9750	.08	.08	.07	.07	.07
25.0375	.07	.07	.06	.06	.06
25.1000	.06	.06	.05	.05	.05
25.1625	.05	.05	.05	.05	.04
25.2250	.04	.04	.04	.04	.04
25.2875	.04	.04	.03	.03	.03
25.3500	.03	.03	.03	.03	.03
25.4125	.03	.03	.03	.02	.02
25.4750	.02	.02	.02	.02	.02
25.5375	.02	.02	.02	.02	.02
25.6000	.02	.02	.02	.02	.01
25.6625	.01	.01	.01	.01	.01
25.7250	.01	.01	.01	.01	.01
25.7875	.01	.01	.01	.01	.01
25.8500	.01	.01	.01	.01	.01
25.9125	.01	.01	.01	.01	.01
25.9750	.01	.01	.01	.01	.01
26.0375	.01	.01	.01	.01	.00
26.1000	.00	.00	.00	.00	.00
26.1625	.00	.00	.00	.00	.00
26.2250	.00	.00	.00	.00	.00
26.2875	.00	.00	.00	.00	.00
26.3500	.00	.00	.00	.00	.00
26.4125	.00	.00	.00	.00	.00
26.4750	.00	.00	.00	.00	.00
26.5375	.00	.00	.00	.00	.00
26.6000	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: UTFALL CC

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-2       D.A. CC-2         work_pad.hyg  D.A. CC-2     25
REACH CC-1       D.A. CC-1         work_pad.hyg  D.A. CC-1     25
WQB CC-3 OUTLET  WQBASIN CC-3 IN   work_pad.hyg  WQB CC-3 OUTLET 25
DB CC-4 OUTLET   DB CC-4           IN            work_pad.hyg  DB CC-4 OUTLET 25
=====
    
```

INFLOWS TO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg  D.A. CC-2     25             22275         12.1250      5.91
work_pad.hyg  D.A. CC-1     25             92954         12.6875      11.75
work_pad.hyg  WQB CC-3 OUTLET 25             180364        12.1375      51.92
work_pad.hyg  DB CC-4 OUTLET 25             448246        12.2625      104.87
    
```

TOTAL FLOW INTO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg  UTFALL CC     25             743840        12.2125      157.63
    
```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL CC

HYG Tag = 25

```

-----
Peak Discharge =      157.63 cfs
Time to Peak   =      12.2125 hrs
HYG Volume     =      743840 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	0.00	0.01	0.02	0.03	0.04
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.01
8.0875	.01	.01	.01	.01	.01
8.1500	.01	.01	.01	.01	.01
8.2125	.01	.01	.01	.01	.01
8.2750	.01	.01	.01	.01	.01
8.3375	.02	.02	.02	.02	.02
8.4000	.02	.02	.02	.02	.02
8.4625	.02	.02	.03	.03	.03
8.5250	.03	.03	.03	.03	.03
8.5875	.03	.03	.04	.04	.04
8.6500	.04	.04	.04	.04	.05
8.7125	.05	.05	.05	.05	.05
8.7750	.06	.06	.06	.06	.06
8.8375	.06	.07	.07	.07	.07
8.9000	.07	.08	.08	.08	.08
8.9625	.09	.09	.09	.09	.09
9.0250	.10	.10	.10	.10	.11
9.0875	.11	.11	.11	.12	.12
9.1500	.12	.13	.13	.13	.13
9.2125	.14	.14	.14	.15	.15
9.2750	.15	.16	.16	.16	.16
9.3375	.17	.17	.17	.18	.18
9.4000	.18	.19	.19	.19	.20
9.4625	.20	.20	.21	.21	.22
9.5250	.22	.22	.23	.23	.23
9.5875	.24	.24	.24	.25	.25
9.6500	.26	.26	.26	.27	.27
9.7125	.28	.28	.28	.29	.29
9.7750	.30	.30	.31	.31	.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
9.8375	.32	.32	.33	.33	.34
9.9000	.34	.35	.35	.35	.36
9.9625	.36	.37	.37	.38	.38
10.0250	.39	.39	.40	.40	.41
10.0875	.41	.42	.42	.43	.43
10.1500	.44	.44	.45	.46	.46
10.2125	.47	.47	.48	.48	.49
10.2750	.50	.50	.51	.51	.52
10.3375	.53	.53	.54	.55	.55
10.4000	.56	.56	.57	.58	.59
10.4625	.59	.60	.61	.61	.62
10.5250	.63	.63	.64	.65	.66
10.5875	.66	.67	.68	.69	.69
10.6500	.70	.71	.72	.73	.73
10.7125	.74	.75	.76	.77	.78
10.7750	.78	.79	.80	.81	.82
10.8375	.83	.84	.85	.86	.86
10.9000	.87	.88	.89	.90	.91
10.9625	.99	1.26	1.62	1.99	2.34
11.0250	2.67	2.97	3.26	3.53	3.78
11.0875	4.02	4.25	4.47	4.68	4.88
11.1500	5.08	5.26	5.44	5.61	5.79
11.2125	5.97	6.16	6.33	6.52	7.86
11.2750	9.88	11.15	11.98	12.57	13.02
11.3375	13.38	13.71	14.00	14.30	14.59
11.4000	14.88	15.15	15.43	15.71	15.99
11.4625	16.28	16.57	16.85	17.15	17.44
11.5250	17.76	18.08	18.44	18.82	19.24
11.5875	19.70	20.19	20.72	21.28	21.90
11.6500	22.57	23.31	24.09	24.96	26.12
11.7125	27.21	28.27	29.35	30.47	31.66
11.7750	34.08	35.19	36.33	37.48	38.65
11.8375	39.84	41.05	42.30	43.57	44.87
11.9000	46.24	47.68	49.24	51.00	52.98
11.9625	55.31	58.06	62.72	68.30	74.50
12.0250	81.20	88.25	95.47	102.72	109.96
12.0875	117.05	123.89	130.41	136.43	141.89
12.1500	146.64	150.56	153.63	155.79	157.09
12.2125	157.63	157.47	156.69	155.39	153.62
12.2750	151.48	149.08	146.45	143.66	140.72
12.3375	137.67	134.66	131.50	128.28	125.05
12.4000	121.84	118.68	115.57	112.44	109.35
12.4625	106.29	103.28	100.31	97.41	94.59
12.5250	91.85	89.19	86.59	84.01	81.43
12.5875	78.94	76.53	74.21	71.98	69.85

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

12.6500	67.90	66.08	64.30	62.60	60.92
12.7125	59.32	57.81	56.38	55.03	53.75
12.7750	52.54	51.41	50.34	49.33	48.38
12.8375	47.42	46.51	45.64	44.83	44.05
12.9000	43.32	42.63	41.97	41.36	40.78
12.9625	40.23	39.70	39.23	38.83	38.51
13.0250	38.18	37.86	37.53	37.20	36.88
13.0875	36.55	36.23	35.92	35.61	35.30
13.1500	34.99	34.69	34.38	34.08	33.79
13.2125	33.49	33.20	32.93	32.66	32.39
13.2750	32.13	31.86	31.59	31.33	31.07
13.3375	30.80	30.54	30.28	30.04	29.80
13.4000	29.56	29.33	29.09	28.85	28.61
13.4625	28.37	28.14	27.90	27.67	27.46
13.5250	27.24	27.02	26.81	26.59	26.38
13.5875	26.16	25.95	25.73	25.52	25.32
13.6500	25.12	24.93	23.42	23.22	23.02
13.7125	22.81	22.60	22.41	22.22	22.03
13.7750	21.84	21.68	21.50	21.32	21.15
13.8375	20.99	20.82	20.65	20.49	20.33
13.9000	20.17	20.01	19.87	19.73	19.57
13.9625	19.42	19.29	19.15	19.00	18.87
14.0250	18.73	18.60	18.46	18.34	18.21
14.0875	18.09	17.97	17.85	17.73	17.60
14.1500	17.50	17.39	17.27	17.16	17.06
14.2125	16.96	16.86	16.76	16.66	16.56
14.2750	16.46	16.37	16.28	16.19	16.10
14.3375	16.01	15.92	15.85	15.77	15.68
14.4000	15.59	15.51	15.44	15.36	15.28
14.4625	15.21	15.13	15.06	14.98	14.91
14.5250	14.84	14.76	14.70	14.63	14.57
14.5875	14.50	14.43	14.37	14.30	14.24
14.6500	14.18	14.12	14.06	14.00	13.93
14.7125	13.87	13.81	13.75	13.70	13.64
14.7750	13.59	13.53	13.47	13.41	13.36
14.8375	13.30	13.25	13.20	13.15	13.10
14.9000	13.05	13.00	12.95	12.89	12.84
14.9625	12.78	12.73	12.68	12.63	12.58
15.0250	12.53	12.48	12.44	12.39	12.34
15.0875	12.30	12.25	12.21	12.16	12.11
15.1500	12.06	12.01	11.96	11.92	11.87
15.2125	11.83	11.78	11.74	11.70	11.65
15.2750	11.61	11.56	11.51	11.46	11.42
15.3375	11.38	11.33	11.29	11.25	11.21
15.4000	11.16	11.12	11.08	11.04	11.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4625	10.95	10.91	10.87	10.83	10.79
15.5250	10.74	10.70	10.66	10.62	10.58
15.5875	10.54	10.49	10.45	10.41	10.37
15.6500	10.33	10.29	10.25	10.21	10.16
15.7125	10.12	10.08	10.04	10.00	9.96
15.7750	9.92	9.88	9.83	9.79	9.75
15.8375	9.71	9.67	9.63	9.59	9.55
15.9000	9.51	9.47	9.43	9.38	9.34
15.9625	9.30	9.26	9.22	9.19	9.15
16.0250	9.11	9.07	9.03	8.99	8.95
16.0875	8.91	8.87	8.84	8.80	8.76
16.1500	8.73	8.70	8.66	8.63	8.59
16.2125	8.55	8.52	8.48	8.45	8.41
16.2750	8.38	8.35	8.32	8.29	8.26
16.3375	8.24	8.21	8.18	8.15	8.12
16.4000	8.09	8.06	8.03	8.00	7.97
16.4625	7.94	7.92	7.89	7.86	7.83
16.5250	7.81	7.78	7.75	7.72	7.70
16.5875	7.67	7.65	7.63	7.60	7.58
16.6500	7.55	7.53	7.51	7.48	7.45
16.7125	7.43	7.40	7.38	7.35	7.33
16.7750	7.31	7.29	7.27	7.24	7.22
16.8375	7.20	7.18	7.16	7.13	7.11
16.9000	7.09	7.07	7.05	7.03	7.01
16.9625	6.99	6.97	6.95	6.92	6.90
17.0250	6.88	6.86	6.84	6.82	6.80
17.0875	6.78	6.76	6.74	6.72	6.70
17.1500	6.68	6.66	6.64	6.62	6.60
17.2125	6.58	6.55	6.53	6.51	6.49
17.2750	6.47	6.45	6.43	6.41	6.39
17.3375	6.37	6.35	6.33	6.31	6.29
17.4000	6.27	6.25	6.23	6.21	6.19
17.4625	6.17	6.15	6.13	6.11	6.10
17.5250	6.08	6.06	6.04	6.02	6.00
17.5875	5.98	5.96	5.94	5.92	5.90
17.6500	5.88	5.86	5.84	5.82	5.80
17.7125	5.78	5.76	5.74	5.72	5.71
17.7750	5.69	5.67	5.65	5.64	5.62
17.8375	5.60	5.58	5.56	5.54	5.52
17.9000	5.50	5.48	5.46	5.44	5.42
17.9625	5.40	5.38	5.37	5.35	5.33
18.0250	5.31	5.30	5.28	5.26	5.24
18.0875	5.22	5.20	5.18	5.16	5.15
18.1500	5.13	5.12	5.10	5.09	5.07
18.2125	5.06	5.04	5.02	5.01	4.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2750	4.98	4.96	4.95	4.93	4.92
18.3375	4.91	4.90	4.88	4.87	4.86
18.4000	4.85	4.83	4.82	4.81	4.80
18.4625	4.79	4.78	4.77	4.75	4.74
18.5250	4.73	4.72	4.70	4.69	4.68
18.5875	4.67	4.66	4.65	4.64	4.63
18.6500	4.62	4.61	4.60	4.59	4.59
18.7125	4.58	4.57	4.56	4.55	4.54
18.7750	4.53	4.53	4.52	4.51	4.50
18.8375	4.49	4.49	4.48	4.47	4.46
18.9000	4.45	4.45	4.44	4.43	4.42
18.9625	4.42	4.41	4.40	4.40	4.39
19.0250	4.38	4.37	4.37	4.36	4.35
19.0875	4.35	4.34	4.33	4.32	4.32
19.1500	4.31	4.30	4.29	4.29	4.28
19.2125	4.27	4.27	4.26	4.25	4.25
19.2750	4.24	4.24	4.23	4.22	4.22
19.3375	4.21	4.20	4.20	4.19	4.18
19.4000	4.18	4.17	4.17	4.16	4.15
19.4625	4.15	4.14	4.14	4.13	4.12
19.5250	4.12	4.11	4.11	4.10	4.10
19.5875	4.09	4.09	4.08	4.07	4.07
19.6500	4.06	4.06	4.05	4.05	4.04
19.7125	4.04	4.03	4.02	4.02	4.01
19.7750	4.01	4.00	4.00	3.99	3.99
19.8375	3.98	3.97	3.97	3.96	3.96
19.9000	3.95	3.95	3.94	3.94	3.93
19.9625	3.93	3.92	3.92	3.91	3.91
20.0250	3.90	3.90	3.89	3.89	3.88
20.0875	3.87	3.87	3.86	3.86	3.85
20.1500	3.85	3.84	3.84	3.83	3.83
20.2125	3.82	3.82	3.81	3.81	3.80
20.2750	3.80	3.79	3.79	3.78	3.78
20.3375	3.77	3.77	3.76	3.76	3.75
20.4000	3.75	3.74	3.74	3.73	3.73
20.4625	3.73	3.72	3.72	3.71	3.71
20.5250	3.70	3.70	3.69	3.69	3.69
20.5875	3.68	3.68	3.67	3.67	3.66
20.6500	3.66	3.66	3.65	3.65	3.64
20.7125	3.64	3.63	3.63	3.62	3.62
20.7750	3.61	3.61	3.60	3.60	3.59
20.8375	3.59	3.59	3.58	3.58	3.57
20.9000	3.57	3.56	3.56	3.55	3.55
20.9625	3.55	3.54	3.54	3.53	3.53
21.0250	3.53	3.52	3.52	3.51	3.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0875	3.51	3.50	3.50	3.49	3.49
21.1500	3.48	3.48	3.48	3.47	3.47
21.2125	3.46	3.46	3.45	3.45	3.45
21.2750	3.44	3.44	3.43	3.43	3.43
21.3375	3.42	3.42	3.41	3.41	3.41
21.4000	3.40	3.40	3.39	3.39	3.39
21.4625	3.38	3.38	3.37	3.37	3.36
21.5250	3.36	3.35	3.35	3.35	3.34
21.5875	3.34	3.34	3.33	3.33	3.33
21.6500	3.32	3.32	3.32	3.31	3.31
21.7125	3.30	3.30	3.30	3.29	3.29
21.7750	3.29	3.28	3.28	3.28	3.27
21.8375	3.27	3.26	3.26	3.26	3.25
21.9000	3.25	3.24	3.24	3.23	3.23
21.9625	3.22	3.22	3.22	3.21	3.21
22.0250	3.20	3.20	3.19	3.19	3.19
22.0875	3.18	3.18	3.17	3.17	3.16
22.1500	3.16	3.16	3.15	3.15	3.15
22.2125	3.14	3.14	3.13	3.13	3.13
22.2750	3.12	3.12	3.11	3.11	3.10
22.3375	3.10	3.10	3.09	3.09	3.08
22.4000	3.08	3.08	3.07	3.07	3.06
22.4625	3.06	3.06	3.05	3.05	3.04
22.5250	3.04	3.04	3.03	3.03	3.02
22.5875	3.02	3.02	3.01	3.01	3.01
22.6500	3.00	3.00	2.99	2.99	2.99
22.7125	2.98	2.98	2.97	2.97	2.97
22.7750	2.96	2.96	2.95	2.95	2.95
22.8375	2.94	2.94	2.93	2.93	2.92
22.9000	2.92	2.92	2.91	2.91	2.91
22.9625	2.90	2.90	2.89	2.89	2.89
23.0250	2.88	2.88	2.87	2.87	2.86
23.0875	2.86	2.86	2.85	2.85	2.84
23.1500	2.84	2.83	2.83	2.83	2.82
23.2125	2.82	2.81	2.81	2.81	2.80
23.2750	2.80	2.80	2.79	2.79	2.78
23.3375	2.78	2.78	2.77	2.77	2.76
23.4000	2.76	2.76	2.75	2.75	2.75
23.4625	2.74	2.74	2.74	2.73	2.73
23.5250	2.72	2.72	2.72	2.71	2.71
23.5875	2.70	2.70	2.69	2.69	2.68
23.6500	2.68	2.68	2.67	2.67	2.66
23.7125	2.66	2.66	2.65	2.65	2.64
23.7750	2.64	2.64	2.63	2.63	2.62
23.8375	2.62	2.61	2.61	2.61	2.60

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.9000	2.60	2.59	2.59	2.58	2.58
23.9625	2.57	2.57	2.57	2.56	2.56
24.0250	2.55	2.53	2.52	2.49	2.45
24.0875	2.41	2.36	2.30	2.24	2.18
24.1500	2.12	2.06	2.00	1.93	1.87
24.2125	1.82	1.76	1.71	1.66	1.60
24.2750	1.55	1.51	1.45	1.40	1.35
24.3375	1.30	1.25	1.20	1.15	1.10
24.4000	1.06	1.01	.96	.92	.88
24.4625	.83	.79	.75	.70	.67
24.5250	.63	.59	.55	.52	.48
24.5875	.46	.43	.40	.37	.34
24.6500	.32	.29	.27	.25	.24
24.7125	.22	.21	.19	.18	.17
24.7750	.17	.16	.15	.15	.14
24.8375	.14	.13	.13	.13	.12
24.9000	.12	.12	.11	.11	.10
24.9625	.10	.10	.09	.09	.09
25.0250	.09	.08	.08	.08	.08
25.0875	.07	.07	.07	.07	.07
25.1500	.06	.06	.06	.06	.06
25.2125	.05	.05	.05	.05	.05
25.2750	.05	.05	.04	.04	.04
25.3375	.04	.04	.04	.04	.04
25.4000	.03	.03	.03	.03	.03
25.4625	.03	.03	.03	.03	.03
25.5250	.03	.02	.02	.02	.02
25.5875	.02	.02	.02	.02	.02
25.6500	.02	.02	.02	.02	.02
25.7125	.02	.02	.01	.01	.01
25.7750	.01	.01	.01	.01	.01
25.8375	.01	.01	.01	.01	.01
25.9000	.01	.01	.01	.01	.01
25.9625	.01	.01	.01	.01	.01
26.0250	.01	.01	.01	.01	.01
26.0875	.01	.01	.01	.01	.01
26.1500	.01	.00	.00	.00	.00
26.2125	.00	.00	.00	.00	.00
26.2750	.00	.00	.00	.00	.00
26.3375	.00	.00	.00	.00	.00
26.4000	.00	.00	.00	.00	.00
26.4625	.00	.00	.00	.00	.00
26.5250	.00	.00	.00	.00	.00
26.5875	.00	.00	.00	.00	.00
26.6500	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: UTFALL CC

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID          HYG tag
-----
REACH CC-2       D.A. CC-2          work_pad.hyg   D.A. CC-2      50
REACH CC-1       D.A. CC-1          work_pad.hyg   D.A. CC-1      50
WQB CC-3 OUTLET  WQBASIN CC-3 IN    work_pad.hyg   WQB CC-3 OUTLET 50
DB CC-4 OUTLET   DB CC-4            IN             work_pad.hyg   DB CC-4 OUTLET  50
=====

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INFLOWS TO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg D.A. CC-2     50            24943         12.1250      6.61
work_pad.hyg D.A. CC-1     50            104280        12.6875      13.19
work_pad.hyg WQB CC-3 OUTLET 50            199454        12.1375      56.18
work_pad.hyg DB CC-4 OUTLET 50            494170        12.2500      114.27

```

TOTAL FLOW INTO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag       cu.ft         hrs           cfs
-----
work_pad.hyg UTFALL CC     50            822848        12.2125      172.60

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL CC

HYG Tag = 50

 Peak Discharge = 172.60 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 822848 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
7.5750	.00	.00	.00	.00	.00
7.6375	.00	.00	.00	.00	.00
7.7000	.00	.00	.00	.00	.00
7.7625	.01	.01	.01	.01	.01
7.8250	.01	.01	.01	.01	.01
7.8875	.01	.01	.01	.01	.01
7.9500	.01	.01	.01	.01	.01
8.0125	.01	.02	.02	.02	.02
8.0750	.02	.02	.02	.02	.02
8.1375	.02	.02	.02	.02	.03
8.2000	.03	.03	.03	.03	.03
8.2625	.03	.03	.03	.03	.04
8.3250	.04	.04	.04	.04	.04
8.3875	.04	.05	.05	.05	.05
8.4500	.05	.05	.05	.06	.06
8.5125	.06	.06	.06	.07	.07
8.5750	.07	.07	.07	.08	.08
8.6375	.08	.08	.08	.09	.09
8.7000	.09	.09	.09	.10	.10
8.7625	.10	.10	.11	.11	.11
8.8250	.11	.12	.12	.12	.13
8.8875	.13	.13	.13	.14	.14
8.9500	.14	.14	.15	.15	.15
9.0125	.16	.16	.16	.17	.17
9.0750	.17	.18	.18	.18	.19
9.1375	.19	.19	.20	.20	.20
9.2000	.21	.21	.21	.22	.22
9.2625	.22	.23	.23	.24	.24
9.3250	.24	.25	.25	.25	.26
9.3875	.26	.27	.27	.27	.28
9.4500	.28	.29	.29	.30	.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.5125	.30	.31	.31	.32	.32
9.5750	.33	.33	.33	.34	.34
9.6375	.35	.35	.36	.36	.37
9.7000	.37	.38	.38	.39	.39
9.7625	.40	.40	.41	.41	.42
9.8250	.42	.43	.43	.44	.44
9.8875	.45	.45	.46	.46	.47
9.9500	.47	.48	.48	.49	.49
10.0125	.50	.50	.51	.52	.52
10.0750	.53	.53	.54	.55	.55
10.1375	.56	.56	.57	.58	.58
10.2000	.59	.60	.60	.61	.62
10.2625	.62	.63	.64	.64	.65
10.3250	.66	.67	.67	.68	.69
10.3875	.69	.70	.71	.72	.72
10.4500	.73	.74	.75	.76	.76
10.5125	.77	.78	.79	.80	.80
10.5750	.81	.82	.83	.84	.85
10.6375	.86	.87	.88	.88	.89
10.7000	.90	1.17	1.53	1.89	2.24
10.7625	2.57	2.87	3.16	3.42	3.68
10.8250	3.91	4.13	4.35	4.54	4.75
10.8875	4.93	5.11	5.28	5.44	5.60
10.9500	5.77	5.93	6.09	6.25	6.41
11.0125	6.77	8.93	10.22	11.04	11.59
11.0750	11.98	12.29	12.55	12.78	12.99
11.1375	13.20	13.40	13.62	13.83	14.05
11.2000	14.27	14.48	14.71	14.94	15.16
11.2625	15.41	15.64	15.88	16.12	16.37
11.3250	16.61	16.86	17.11	17.37	17.61
11.3875	17.88	18.14	18.40	18.66	18.93
11.4500	19.19	19.47	19.73	20.02	20.30
11.5125	20.58	20.89	21.21	21.56	21.94
11.5750	22.37	22.84	23.34	23.88	24.46
11.6375	25.11	25.80	26.58	27.58	28.67
11.7000	30.88	31.89	32.84	33.82	34.85
11.7625	35.95	37.10	38.29	39.50	40.73
11.8250	41.97	43.24	44.53	45.85	47.21
11.8875	48.59	50.05	51.59	53.25	55.13
11.9500	58.08	62.43	67.92	73.99	80.63
12.0125	87.65	94.96	102.48	110.07	117.64
12.0750	125.10	132.36	139.32	146.02	152.10
12.1375	157.57	162.28	166.12	169.06	171.14
12.2000	172.29	172.60	172.17	171.07	169.44
12.2625	167.34	164.87	162.13	159.17	156.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3250	152.75	149.35	145.85	142.30	138.87
12.3875	135.37	131.89	128.46	125.07	121.67
12.4500	118.31	115.00	111.73	108.52	105.37
12.5125	102.29	99.29	96.39	93.58	90.80
12.5750	88.02	85.32	82.71	80.20	77.80
12.6375	75.49	73.30	71.21	69.31	67.53
12.7000	65.74	64.00	62.36	60.82	59.36
12.7625	57.98	56.68	55.45	54.28	53.19
12.8250	52.15	51.10	50.10	49.15	48.25
12.8875	47.39	46.58	45.80	45.07	44.36
12.9500	43.70	43.05	42.42	41.82	41.25
13.0125	40.72	40.23	39.80	39.46	39.12
13.0750	38.78	38.45	38.12	37.80	37.48
13.1375	37.16	36.85	36.53	36.22	35.92
13.2000	35.61	35.31	35.01	34.73	34.46
13.2625	34.19	33.91	33.64	33.37	33.10
13.3250	32.84	32.57	32.30	32.04	31.80
13.3875	31.55	31.31	31.07	30.83	30.59
13.4500	30.35	30.11	29.86	29.62	29.40
13.5125	29.18	28.96	28.74	28.52	28.31
13.5750	28.09	27.87	27.65	27.44	27.22
13.6375	27.02	26.82	26.62	26.42	26.22
13.7000	26.03	25.83	25.63	25.44	25.24
13.7625	23.98	23.56	23.38	23.18	22.99
13.8250	22.80	22.62	22.45	22.27	22.08
13.8875	21.92	21.76	21.59	21.43	21.28
13.9500	21.12	20.97	20.81	20.66	20.52
14.0125	20.36	20.20	20.06	19.94	19.80
14.0750	19.65	19.52	19.40	19.27	19.13
14.1375	19.01	18.89	18.76	18.64	18.53
14.2000	18.42	18.31	18.20	18.10	17.99
14.2625	17.88	17.77	17.68	17.58	17.48
14.3250	17.38	17.29	17.19	17.10	17.01
14.3875	16.92	16.84	16.75	16.66	16.58
14.4500	16.50	16.42	16.34	16.26	16.18
14.5125	16.10	16.03	15.96	15.88	15.80
14.5750	15.72	15.66	15.59	15.52	15.45
14.6375	15.38	15.32	15.25	15.18	15.11
14.7000	15.04	14.98	14.92	14.85	14.80
14.7625	14.74	14.68	14.62	14.55	14.49
14.8250	14.43	14.37	14.32	14.26	14.21
14.8875	14.15	14.09	14.03	13.98	13.92
14.9500	13.86	13.81	13.76	13.71	13.65
15.0125	13.60	13.54	13.49	13.43	13.38
15.0750	13.33	13.28	13.23	13.18	13.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.1375	13.08	13.03	12.98	12.93	12.88
15.2000	12.82	12.77	12.72	12.67	12.62
15.2625	12.57	12.53	12.48	12.44	12.39
15.3250	12.34	12.30	12.25	12.20	12.16
15.3875	12.11	12.06	12.01	11.96	11.92
15.4500	11.87	11.83	11.79	11.74	11.70
15.5125	11.65	11.60	11.55	11.50	11.46
15.5750	11.41	11.37	11.33	11.28	11.24
15.6375	11.20	11.15	11.11	11.06	11.02
15.7000	10.98	10.93	10.89	10.84	10.80
15.7625	10.76	10.71	10.67	10.62	10.58
15.8250	10.54	10.49	10.45	10.41	10.36
15.8875	10.32	10.27	10.23	10.19	10.14
15.9500	10.10	10.06	10.01	9.97	9.92
16.0125	9.88	9.84	9.79	9.75	9.71
16.0750	9.67	9.62	9.58	9.54	9.50
16.1375	9.46	9.42	9.38	9.34	9.30
16.2000	9.26	9.23	9.20	9.16	9.13
16.2625	9.09	9.05	9.02	8.98	8.95
16.3250	8.91	8.88	8.85	8.82	8.79
16.3875	8.76	8.73	8.70	8.66	8.63
16.4500	8.60	8.57	8.54	8.50	8.47
16.5125	8.45	8.42	8.39	8.37	8.34
16.5750	8.31	8.29	8.26	8.24	8.21
16.6375	8.18	8.15	8.12	8.09	8.07
16.7000	8.04	8.02	8.00	7.97	7.95
16.7625	7.92	7.89	7.87	7.84	7.81
16.8250	7.79	7.77	7.74	7.72	7.70
16.8875	7.68	7.65	7.63	7.61	7.59
16.9500	7.57	7.54	7.52	7.49	7.47
17.0125	7.45	7.42	7.40	7.38	7.35
17.0750	7.33	7.31	7.29	7.27	7.25
17.1375	7.23	7.21	7.19	7.17	7.15
17.2000	7.13	7.10	7.08	7.06	7.04
17.2625	7.02	7.00	6.98	6.96	6.94
17.3250	6.92	6.90	6.88	6.86	6.84
17.3875	6.82	6.79	6.77	6.75	6.73
17.4500	6.71	6.69	6.67	6.65	6.63
17.5125	6.61	6.59	6.57	6.55	6.53
17.5750	6.51	6.49	6.46	6.44	6.42
17.6375	6.40	6.38	6.36	6.34	6.32
17.7000	6.30	6.28	6.26	6.24	6.22
17.7625	6.20	6.17	6.15	6.13	6.11
17.8250	6.09	6.07	6.05	6.03	6.01
17.8875	5.99	5.97	5.95	5.93	5.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9500	5.89	5.86	5.84	5.82	5.80
18.0125	5.78	5.76	5.74	5.72	5.70
18.0750	5.68	5.67	5.65	5.63	5.61
18.1375	5.59	5.57	5.55	5.54	5.52
18.2000	5.50	5.48	5.47	5.45	5.43
18.2625	5.42	5.40	5.39	5.37	5.36
18.3250	5.35	5.33	5.32	5.30	5.29
18.3875	5.27	5.26	5.24	5.23	5.22
18.4500	5.20	5.19	5.18	5.17	5.16
18.5125	5.14	5.13	5.12	5.11	5.10
18.5750	5.08	5.07	5.06	5.05	5.04
18.6375	5.03	5.01	5.00	4.99	4.98
18.7000	4.97	4.96	4.96	4.95	4.94
18.7625	4.93	4.92	4.91	4.90	4.89
18.8250	4.88	4.88	4.87	4.86	4.85
18.8875	4.84	4.83	4.83	4.82	4.81
18.9500	4.80	4.79	4.78	4.77	4.76
19.0125	4.75	4.75	4.74	4.73	4.72
19.0750	4.71	4.70	4.70	4.69	4.68
19.1375	4.68	4.67	4.66	4.65	4.65
19.2000	4.64	4.63	4.63	4.62	4.61
19.2625	4.61	4.60	4.59	4.59	4.58
19.3250	4.57	4.57	4.56	4.55	4.55
19.3875	4.54	4.53	4.53	4.52	4.52
19.4500	4.51	4.50	4.50	4.49	4.48
19.5125	4.48	4.47	4.46	4.46	4.45
19.5750	4.45	4.44	4.43	4.43	4.42
19.6375	4.41	4.41	4.40	4.40	4.39
19.7000	4.38	4.38	4.37	4.36	4.36
19.7625	4.35	4.34	4.34	4.33	4.32
19.8250	4.32	4.31	4.31	4.30	4.29
19.8875	4.29	4.28	4.27	4.27	4.26
19.9500	4.25	4.25	4.24	4.24	4.23
20.0125	4.22	4.22	4.21	4.21	4.20
20.0750	4.19	4.19	4.18	4.17	4.17
20.1375	4.16	4.16	4.15	4.15	4.14
20.2000	4.14	4.13	4.13	4.12	4.12
20.2625	4.11	4.11	4.10	4.10	4.09
20.3250	4.09	4.08	4.08	4.07	4.06
20.3875	4.06	4.05	4.05	4.04	4.04
20.4500	4.03	4.03	4.02	4.02	4.01
20.5125	4.01	4.00	4.00	3.99	3.99
20.5750	3.99	3.98	3.98	3.97	3.97
20.6375	3.96	3.96	3.95	3.95	3.94
20.7000	3.94	3.93	3.93	3.92	3.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7625	3.91	3.91	3.91	3.90	3.90
20.8250	3.89	3.89	3.89	3.88	3.88
20.8875	3.87	3.87	3.86	3.86	3.85
20.9500	3.85	3.84	3.84	3.83	3.83
21.0125	3.82	3.82	3.82	3.81	3.81
21.0750	3.80	3.80	3.79	3.79	3.78
21.1375	3.78	3.78	3.77	3.77	3.76
21.2000	3.76	3.75	3.75	3.74	3.74
21.2625	3.74	3.73	3.73	3.72	3.72
21.3250	3.71	3.71	3.71	3.70	3.70
21.3875	3.69	3.69	3.69	3.68	3.68
21.4500	3.67	3.67	3.66	3.66	3.65
21.5125	3.65	3.64	3.64	3.63	3.63
21.5750	3.62	3.62	3.61	3.61	3.61
21.6375	3.60	3.60	3.59	3.59	3.58
21.7000	3.58	3.57	3.57	3.56	3.56
21.7625	3.56	3.55	3.55	3.54	3.54
21.8250	3.53	3.53	3.53	3.52	3.52
21.8875	3.51	3.51	3.50	3.50	3.50
21.9500	3.49	3.49	3.48	3.48	3.47
22.0125	3.47	3.46	3.46	3.45	3.45
22.0750	3.45	3.44	3.44	3.43	3.43
22.1375	3.42	3.42	3.42	3.41	3.41
22.2000	3.40	3.40	3.39	3.39	3.38
22.2625	3.38	3.38	3.37	3.37	3.36
22.3250	3.36	3.35	3.35	3.35	3.34
22.3875	3.34	3.33	3.33	3.33	3.32
22.4500	3.32	3.32	3.31	3.31	3.30
22.5125	3.30	3.29	3.29	3.29	3.28
22.5750	3.28	3.27	3.27	3.26	3.26
22.6375	3.26	3.25	3.25	3.24	3.24
22.7000	3.23	3.23	3.22	3.22	3.21
22.7625	3.21	3.20	3.20	3.20	3.19
22.8250	3.19	3.18	3.18	3.17	3.17
22.8875	3.16	3.16	3.16	3.15	3.15
22.9500	3.14	3.14	3.13	3.13	3.13
23.0125	3.12	3.12	3.11	3.11	3.11
23.0750	3.10	3.10	3.09	3.09	3.08
23.1375	3.08	3.07	3.07	3.06	3.06
23.2000	3.05	3.05	3.05	3.04	3.04
23.2625	3.03	3.03	3.03	3.02	3.02
23.3250	3.01	3.01	3.00	3.00	2.99
23.3875	2.99	2.99	2.98	2.98	2.97
23.4500	2.97	2.97	2.96	2.96	2.95
23.5125	2.95	2.94	2.94	2.94	2.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5750	2.93	2.92	2.92	2.91	2.91
23.6375	2.90	2.90	2.90	2.89	2.89
23.7000	2.88	2.88	2.87	2.87	2.86
23.7625	2.86	2.86	2.85	2.85	2.84
23.8250	2.84	2.83	2.83	2.83	2.82
23.8875	2.82	2.81	2.81	2.80	2.80
23.9500	2.79	2.79	2.78	2.78	2.78
24.0125	2.77	2.76	2.75	2.73	2.70
24.0750	2.66	2.61	2.56	2.50	2.43
24.1375	2.36	2.29	2.22	2.16	2.09
24.2000	2.03	1.98	1.92	1.86	1.80
24.2625	1.75	1.69	1.64	1.59	1.54
24.3250	1.48	1.43	1.37	1.32	1.27
24.3875	1.22	1.17	1.12	1.07	1.02
24.4500	.98	.93	.88	.84	.80
24.5125	.75	.71	.67	.63	.59
24.5750	.56	.52	.49	.46	.43
24.6375	.40	.37	.34	.32	.30
24.7000	.27	.25	.24	.22	.21
24.7625	.20	.19	.18	.17	.16
24.8250	.16	.15	.15	.14	.14
24.8875	.13	.13	.13	.12	.12
24.9500	.11	.11	.11	.10	.10
25.0125	.10	.10	.09	.09	.09
25.0750	.08	.08	.08	.08	.07
25.1375	.07	.07	.07	.07	.06
25.2000	.06	.06	.06	.06	.05
25.2625	.05	.05	.05	.05	.05
25.3250	.05	.04	.04	.04	.04
25.3875	.04	.04	.04	.04	.03
25.4500	.03	.03	.03	.03	.03
25.5125	.03	.03	.03	.03	.03
25.5750	.02	.02	.02	.02	.02
25.6375	.02	.02	.02	.02	.02
25.7000	.02	.02	.02	.02	.02
25.7625	.02	.01	.01	.01	.01
25.8250	.01	.01	.01	.01	.01
25.8875	.01	.01	.01	.01	.01
25.9500	.01	.01	.01	.01	.01
26.0125	.01	.01	.01	.01	.01
26.0750	.01	.01	.01	.01	.01
26.1375	.01	.01	.01	.01	.01
26.2000	.00	.00	.00	.00	.00
26.2625	.00	.00	.00	.00	.00
26.3250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
26.3875	.00	.00	.00	.00	.00
26.4500	.00	.00	.00	.00	.00
26.5125	.00	.00	.00	.00	.00
26.5750	.00	.00	.00	.00	.00
26.6375	.00	.00	.00	.00	.00
26.7000	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: UTFALL CC

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-2       D.A. CC-2         work_pad.hyg  D.A. CC-2    100
REACH CC-1       D.A. CC-1         work_pad.hyg  D.A. CC-1    100
WQB CC-3 OUTLET  WQBASIN CC-3 IN   work_pad.hyg  WQB CC-3 OUTLET 100
DB CC-4 OUTLET  DB CC-4           IN           work_pad.hyg  DB CC-4 OUTLET 100
=====

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INFLOWS TO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg D.A. CC-2     100            27652         12.1250      7.31
work_pad.hyg D.A. CC-1     100            115789        12.6875      14.65
work_pad.hyg WQB CC-3 OUTLET 100            218562        12.1375      60.37
work_pad.hyg DB CC-4 OUTLET 100            540139        12.2500      123.54

```

TOTAL FLOW INTO: UTFALL CC

```

----- Volume      Peak Time      Peak Flow
HYG file      HYG ID        HYG tag        cu.ft         hrs           cfs
-----
work_pad.hyg UTFALL CC     100            902143        12.2125      187.07

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL CC

HYG Tag = 100

 Peak Discharge = 187.07 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 902143 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.2875	.00	.00	.00	.00	.00
7.3500	.00	.00	.00	.00	.00
7.4125	.00	.00	.00	.00	.01
7.4750	.01	.01	.01	.01	.01
7.5375	.01	.01	.01	.01	.01
7.6000	.01	.01	.01	.01	.01
7.6625	.01	.01	.01	.01	.01
7.7250	.02	.02	.02	.02	.02
7.7875	.02	.02	.02	.02	.02
7.8500	.02	.02	.02	.02	.03
7.9125	.03	.03	.03	.03	.03
7.9750	.03	.03	.03	.03	.04
8.0375	.04	.04	.04	.04	.04
8.1000	.04	.05	.05	.05	.05
8.1625	.05	.05	.05	.06	.06
8.2250	.06	.06	.06	.06	.07
8.2875	.07	.07	.07	.07	.08
8.3500	.08	.08	.08	.08	.09
8.4125	.09	.09	.09	.09	.10
8.4750	.10	.10	.10	.11	.11
8.5375	.11	.11	.12	.12	.12
8.6000	.12	.13	.13	.13	.13
8.6625	.14	.14	.14	.15	.15
8.7250	.15	.15	.16	.16	.16
8.7875	.17	.17	.17	.18	.18
8.8500	.18	.19	.19	.19	.20
8.9125	.20	.20	.21	.21	.21
8.9750	.22	.22	.22	.23	.23
9.0375	.23	.24	.24	.25	.25
9.1000	.25	.26	.26	.27	.27
9.1625	.27	.28	.28	.29	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.2250	.29	.30	.30	.31	.31
9.2875	.32	.32	.32	.33	.33
9.3500	.34	.34	.35	.35	.36
9.4125	.36	.37	.37	.38	.38
9.4750	.38	.39	.39	.40	.40
9.5375	.41	.41	.42	.42	.43
9.6000	.43	.44	.45	.45	.46
9.6625	.46	.47	.47	.48	.48
9.7250	.49	.49	.50	.50	.51
9.7875	.52	.52	.53	.53	.54
9.8500	.54	.55	.56	.56	.57
9.9125	.57	.58	.59	.59	.60
9.9750	.60	.61	.62	.62	.63
10.0375	.64	.64	.65	.66	.66
10.1000	.67	.68	.68	.69	.70
10.1625	.70	.71	.72	.73	.73
10.2250	.74	.75	.76	.76	.77
10.2875	.78	.79	.80	.80	.81
10.3500	.82	.83	.84	.84	.85
10.4125	.86	.87	.88	.89	1.14
10.4750	1.47	1.83	2.17	2.49	2.79
10.5375	3.07	3.33	3.58	3.82	4.03
10.6000	4.24	4.44	4.63	4.81	4.99
10.6625	5.16	5.31	5.46	5.63	5.78
10.7250	5.94	6.10	6.24	6.40	7.10
10.7875	9.06	10.24	11.00	11.50	11.86
10.8500	12.14	12.37	12.57	12.76	12.94
10.9125	13.11	13.28	13.45	13.61	13.78
10.9750	13.94	14.09	14.26	14.42	14.57
11.0375	14.73	14.90	15.06	15.23	15.39
11.1000	15.56	15.74	15.91	16.08	16.27
11.1625	16.45	16.65	16.83	17.05	17.24
11.2250	17.45	17.66	17.88	18.10	18.32
11.2875	18.55	18.78	19.02	19.24	19.49
11.3500	19.73	19.97	20.22	20.48	20.74
11.4125	21.00	21.24	21.52	21.78	22.05
11.4750	22.33	22.59	22.88	23.16	23.48
11.5375	23.80	24.15	24.56	24.99	25.48
11.6000	26.02	26.57	28.42	29.00	29.73
11.6625	30.63	31.50	32.40	33.34	34.31
11.7250	35.33	36.39	37.49	38.67	39.90
11.7875	41.17	42.47	43.78	45.10	46.45
11.8500	47.82	49.23	50.67	52.14	53.70
11.9125	55.54	58.59	62.50	67.27	72.79
11.9750	78.88	85.52	92.64	100.06	107.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.0375	115.59	123.49	131.31	139.06	146.66
12.1000	153.81	160.58	166.81	172.43	177.24
12.1625	181.11	184.03	185.91	186.86	187.07
12.2250	186.52	185.20	183.29	180.87	178.06
12.2875	174.98	171.70	168.25	164.66	160.94
12.3500	157.12	153.24	149.34	145.51	141.83
12.4125	138.15	134.51	130.85	127.24	123.67
12.4750	120.16	116.70	113.31	109.99	106.77
12.5375	103.62	100.57	97.57	94.58	91.69
12.6000	88.88	86.19	83.61	81.13	78.78
12.6625	76.53	74.40	72.40	70.48	68.67
12.7250	66.92	65.26	63.70	62.22	60.82
12.7875	59.49	58.24	57.06	55.95	54.81
12.8500	53.73	52.70	51.72	50.79	49.90
12.9125	49.05	48.24	47.46	46.72	46.00
12.9750	45.29	44.60	43.95	43.32	42.72
13.0375	42.16	41.62	41.12	40.67	40.29
13.1000	39.95	39.62	39.29	38.97	38.65
13.1625	38.32	38.01	37.69	37.38	37.06
13.2250	36.76	36.48	36.20	35.92	35.65
13.2875	35.37	35.09	34.82	34.55	34.27
13.3500	34.00	33.74	33.49	33.24	33.00
13.4125	32.75	32.51	32.27	32.02	31.78
13.4750	31.53	31.29	31.06	30.84	30.62
13.5375	30.40	30.18	29.96	29.74	29.52
13.6000	29.30	29.08	28.86	28.66	28.46
13.6625	28.26	28.06	27.86	27.66	27.46
13.7250	27.26	27.06	26.86	26.67	26.48
13.7875	26.30	26.11	25.93	25.74	25.56
13.8500	25.36	23.89	23.71	23.53	23.34
13.9125	23.16	22.99	22.82	22.66	22.49
13.9750	22.32	22.15	22.01	21.84	21.68
14.0375	21.53	21.38	21.24	21.09	20.95
14.1000	20.81	20.68	20.54	20.40	20.26
14.1625	20.14	20.02	19.89	19.76	19.65
14.2250	19.54	19.42	19.31	19.20	19.09
14.2875	18.98	18.86	18.76	18.66	18.56
14.3500	18.46	18.37	18.27	18.18	18.08
14.4125	17.98	17.89	17.81	17.72	17.63
14.4750	17.54	17.46	17.37	17.29	17.21
14.5375	17.13	17.05	16.97	16.89	16.81
14.6000	16.74	16.66	16.59	16.52	16.44
14.6625	16.37	16.30	16.23	16.16	16.10
14.7250	16.03	15.96	15.89	15.82	15.76
14.7875	15.70	15.64	15.57	15.51	15.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.8500	15.38	15.32	15.25	15.19	15.13
14.9125	15.07	15.01	14.95	14.89	14.84
14.9750	14.78	14.72	14.66	14.61	14.55
15.0375	14.49	14.43	14.38	14.33	14.27
15.1000	14.22	14.16	14.10	14.05	13.99
15.1625	13.94	13.88	13.83	13.78	13.73
15.2250	13.67	13.62	13.57	13.51	13.46
15.2875	13.40	13.35	13.30	13.25	13.20
15.3500	13.16	13.11	13.06	13.01	12.96
15.4125	12.90	12.85	12.80	12.75	12.70
15.4750	12.65	12.60	12.55	12.51	12.46
15.5375	12.41	12.36	12.32	12.27	12.22
15.6000	12.18	12.12	12.07	12.02	11.98
15.6625	11.93	11.88	11.84	11.79	11.74
15.7250	11.70	11.65	11.59	11.54	11.49
15.7875	11.45	11.40	11.35	11.31	11.26
15.8500	11.22	11.17	11.12	11.08	11.03
15.9125	10.98	10.94	10.89	10.84	10.80
15.9750	10.75	10.70	10.66	10.61	10.57
16.0375	10.52	10.47	10.43	10.38	10.34
16.1000	10.29	10.25	10.21	10.16	10.12
16.1625	10.08	10.04	10.00	9.95	9.91
16.2250	9.87	9.83	9.80	9.76	9.72
16.2875	9.68	9.64	9.61	9.57	9.53
16.3500	9.50	9.46	9.43	9.39	9.36
16.4125	9.33	9.30	9.27	9.24	9.20
16.4750	9.17	9.14	9.10	9.07	9.04
16.5375	9.01	8.98	8.95	8.92	8.89
16.6000	8.86	8.84	8.81	8.78	8.75
16.6625	8.72	8.69	8.66	8.63	8.60
16.7250	8.57	8.54	8.52	8.49	8.47
16.7875	8.44	8.42	8.39	8.37	8.34
16.8500	8.32	8.30	8.27	8.24	8.22
16.9125	8.19	8.17	8.14	8.11	8.09
16.9750	8.07	8.05	8.02	8.00	7.97
17.0375	7.95	7.92	7.90	7.87	7.85
17.1000	7.82	7.80	7.78	7.76	7.74
17.1625	7.72	7.69	7.67	7.65	7.63
17.2250	7.61	7.58	7.56	7.54	7.51
17.2875	7.49	7.46	7.44	7.42	7.40
17.3500	7.38	7.36	7.33	7.31	7.29
17.4125	7.27	7.25	7.23	7.21	7.19
17.4750	7.16	7.14	7.12	7.10	7.08
17.5375	7.06	7.04	7.02	7.00	6.97
17.6000	6.95	6.93	6.91	6.89	6.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.6625	6.85	6.82	6.80	6.78	6.76
17.7250	6.74	6.72	6.70	6.68	6.65
17.7875	6.63	6.61	6.59	6.57	6.54
17.8500	6.52	6.50	6.48	6.46	6.44
17.9125	6.41	6.39	6.37	6.35	6.33
17.9750	6.31	6.28	6.26	6.24	6.22
18.0375	6.20	6.17	6.15	6.13	6.11
18.1000	6.09	6.07	6.05	6.03	6.01
18.1625	5.99	5.97	5.95	5.93	5.91
18.2250	5.90	5.88	5.86	5.84	5.83
18.2875	5.81	5.79	5.78	5.76	5.75
18.3500	5.73	5.72	5.71	5.69	5.68
18.4125	5.66	5.65	5.63	5.62	5.60
18.4750	5.59	5.57	5.56	5.55	5.53
18.5375	5.52	5.50	5.49	5.48	5.47
18.6000	5.46	5.44	5.43	5.42	5.41
18.6625	5.40	5.39	5.38	5.37	5.36
18.7250	5.35	5.33	5.32	5.31	5.30
18.7875	5.29	5.28	5.27	5.26	5.25
18.8500	5.24	5.23	5.22	5.22	5.21
18.9125	5.20	5.19	5.18	5.17	5.16
18.9750	5.15	5.14	5.13	5.13	5.12
19.0375	5.11	5.10	5.09	5.08	5.07
19.1000	5.06	5.05	5.05	5.04	5.03
19.1625	5.02	5.02	5.01	5.00	4.99
19.2250	4.99	4.98	4.97	4.97	4.96
19.2875	4.95	4.94	4.94	4.93	4.92
19.3500	4.92	4.91	4.90	4.89	4.89
19.4125	4.88	4.87	4.87	4.86	4.85
19.4750	4.85	4.84	4.83	4.82	4.82
19.5375	4.81	4.80	4.79	4.78	4.78
19.6000	4.77	4.76	4.76	4.75	4.74
19.6625	4.73	4.73	4.72	4.71	4.71
19.7250	4.70	4.69	4.69	4.68	4.67
19.7875	4.67	4.66	4.66	4.65	4.64
19.8500	4.64	4.63	4.63	4.62	4.61
19.9125	4.61	4.60	4.59	4.59	4.58
19.9750	4.57	4.57	4.56	4.55	4.55
20.0375	4.54	4.54	4.53	4.52	4.52
20.1000	4.51	4.50	4.50	4.49	4.49
20.1625	4.48	4.47	4.47	4.46	4.46
20.2250	4.45	4.45	4.44	4.43	4.43
20.2875	4.42	4.42	4.41	4.41	4.40
20.3500	4.39	4.39	4.38	4.37	4.37
20.4125	4.36	4.36	4.35	4.34	4.34

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.4750	4.33	4.33	4.32	4.32	4.31
20.5375	4.31	4.30	4.29	4.29	4.28
20.6000	4.28	4.27	4.27	4.26	4.26
20.6625	4.25	4.25	4.24	4.23	4.23
20.7250	4.22	4.22	4.21	4.21	4.20
20.7875	4.20	4.19	4.19	4.18	4.18
20.8500	4.17	4.17	4.16	4.16	4.15
20.9125	4.15	4.14	4.14	4.13	4.13
20.9750	4.12	4.12	4.12	4.11	4.11
21.0375	4.10	4.10	4.09	4.09	4.08
21.1000	4.08	4.08	4.07	4.07	4.06
21.1625	4.06	4.05	4.05	4.04	4.04
21.2250	4.03	4.03	4.02	4.02	4.01
21.2875	4.01	4.00	4.00	3.99	3.99
21.3500	3.98	3.98	3.97	3.97	3.97
21.4125	3.96	3.96	3.95	3.95	3.94
21.4750	3.94	3.93	3.93	3.92	3.92
21.5375	3.91	3.91	3.91	3.90	3.90
21.6000	3.89	3.89	3.88	3.88	3.87
21.6625	3.87	3.87	3.86	3.85	3.85
21.7250	3.84	3.84	3.83	3.83	3.82
21.7875	3.82	3.82	3.81	3.81	3.80
21.8500	3.80	3.79	3.79	3.78	3.78
21.9125	3.78	3.77	3.77	3.76	3.76
21.9750	3.75	3.75	3.74	3.74	3.73
22.0375	3.73	3.72	3.72	3.71	3.71
22.1000	3.71	3.70	3.70	3.69	3.69
22.1625	3.68	3.68	3.67	3.67	3.66
22.2250	3.66	3.65	3.65	3.64	3.64
22.2875	3.63	3.63	3.62	3.62	3.61
22.3500	3.61	3.60	3.60	3.59	3.59
22.4125	3.58	3.58	3.57	3.57	3.56
22.4750	3.56	3.56	3.55	3.54	3.54
22.5375	3.53	3.53	3.53	3.52	3.52
22.6000	3.51	3.51	3.50	3.50	3.49
22.6625	3.49	3.49	3.48	3.48	3.47
22.7250	3.47	3.46	3.46	3.45	3.45
22.7875	3.44	3.44	3.43	3.43	3.42
22.8500	3.42	3.41	3.41	3.40	3.40
22.9125	3.39	3.39	3.38	3.38	3.38
22.9750	3.37	3.37	3.36	3.36	3.35
23.0375	3.35	3.35	3.34	3.34	3.33
23.1000	3.33	3.32	3.32	3.31	3.31
23.1625	3.30	3.30	3.30	3.29	3.29
23.2250	3.28	3.28	3.27	3.27	3.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.2875	3.26	3.25	3.25	3.24	3.24
23.3500	3.23	3.23	3.22	3.22	3.21
23.4125	3.21	3.20	3.20	3.20	3.19
23.4750	3.19	3.18	3.18	3.17	3.17
23.5375	3.16	3.16	3.15	3.15	3.14
23.6000	3.14	3.13	3.13	3.12	3.12
23.6625	3.12	3.11	3.11	3.10	3.10
23.7250	3.09	3.09	3.08	3.08	3.07
23.7875	3.07	3.07	3.06	3.06	3.05
23.8500	3.05	3.04	3.04	3.03	3.03
23.9125	3.02	3.02	3.01	3.01	3.00
23.9750	3.00	2.99	2.99	2.98	2.97
24.0375	2.95	2.93	2.90	2.86	2.81
24.1000	2.75	2.68	2.61	2.54	2.47
24.1625	2.40	2.33	2.26	2.20	2.13
24.2250	2.07	2.01	1.95	1.90	1.84
24.2875	1.78	1.73	1.67	1.61	1.56
24.3500	1.51	1.45	1.39	1.34	1.28
24.4125	1.23	1.18	1.13	1.08	1.03
24.4750	.98	.94	.89	.84	.80
24.5375	.75	.71	.67	.63	.59
24.6000	.56	.52	.49	.46	.42
24.6625	.39	.37	.34	.32	.29
24.7250	.27	.25	.24	.22	.21
24.7875	.20	.19	.18	.17	.16
24.8500	.16	.15	.15	.15	.14
24.9125	.14	.13	.13	.12	.12
24.9750	.12	.11	.11	.11	.10
25.0375	.10	.10	.09	.09	.09
25.1000	.09	.08	.08	.08	.08
25.1625	.07	.07	.07	.07	.07
25.2250	.06	.06	.06	.06	.06
25.2875	.05	.05	.05	.05	.05
25.3500	.05	.04	.04	.04	.04
25.4125	.04	.04	.04	.04	.04
25.4750	.03	.03	.03	.03	.03
25.5375	.03	.03	.03	.03	.03
25.6000	.02	.02	.02	.02	.02
25.6625	.02	.02	.02	.02	.02
25.7250	.02	.02	.02	.02	.02
25.7875	.02	.01	.01	.01	.01
25.8500	.01	.01	.01	.01	.01
25.9125	.01	.01	.01	.01	.01
25.9750	.01	.01	.01	.01	.01
26.0375	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
26.1000	.01	.01	.01	.01	.01
26.1625	.01	.01	.01	.01	.01
26.2250	.00	.00	.00	.00	.00
26.2875	.00	.00	.00	.00	.00
26.3500	.00	.00	.00	.00	.00
26.4125	.00	.00	.00	.00	.00
26.4750	.00	.00	.00	.00	.00
26.5375	.00	.00	.00	.00	.00
26.6000	.00	.00	.00	.00	.00
26.6625	.00	.00	.00	.00	.00
26.7250	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL DD

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH DD          D.A. DD          work_pad.hyg  D.A. DD       2
=====

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INFLOWS TO: OUTFALL DD

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. DD       2            32543       12.1750     7.61

```

TOTAL FLOW INTO: OUTFALL DD

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL DD    2            32543       12.1750     7.61

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL DD

HYG Tag = 2

 Peak Discharge = 7.61 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 32543 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	0.01	0.02	0.03	0.04
10.5000	.00	.00	.00	.00	.00
10.5625	.00	.01	.01	.01	.01
10.6250	.01	.01	.02	.02	.02
10.6875	.02	.02	.03	.03	.03
10.7500	.03	.04	.04	.04	.04
10.8125	.05	.05	.05	.05	.06
10.8750	.06	.06	.07	.07	.07
10.9375	.07	.08	.08	.08	.09
11.0000	.09	.09	.10	.10	.10
11.0625	.11	.11	.11	.12	.12
11.1250	.13	.13	.13	.14	.14
11.1875	.15	.15	.16	.16	.17
11.2500	.18	.18	.19	.19	.20
11.3125	.21	.21	.22	.23	.24
11.3750	.24	.25	.26	.27	.28
11.4375	.28	.29	.30	.31	.32
11.5000	.33	.34	.35	.36	.37
11.5625	.39	.41	.42	.45	.47
11.6250	.49	.52	.55	.59	.63
11.6875	.67	.72	.77	.82	.88
11.7500	.94	1.00	1.07	1.15	1.22
11.8125	1.30	1.39	1.48	1.56	1.66
11.8750	1.76	1.87	1.99	2.11	2.26
11.9375	2.41	2.61	2.82	3.07	3.36
12.0000	3.66	4.01	4.36	4.72	5.09
12.0625	5.45	5.82	6.17	6.49	6.81
12.1250	7.05	7.28	7.44	7.55	7.61
12.1875	7.59	7.56	7.43	7.30	7.13
12.2500	6.95	6.76	6.56	6.36	6.16
12.3125	5.97	5.80	5.63	5.47	5.31
12.3750	5.16	5.01	4.86	4.72	4.58

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.4375	4.44	4.30	4.16	4.02	3.88
12.5000	3.73	3.59	3.45	3.32	3.18
12.5625	3.06	2.93	2.81	2.69	2.58
12.6250	2.48	2.38	2.29	2.20	2.13
12.6875	2.06	1.99	1.94	1.88	1.84
12.7500	1.79	1.76	1.72	1.69	1.66
12.8125	1.63	1.60	1.58	1.55	1.53
12.8750	1.51	1.49	1.47	1.45	1.43
12.9375	1.41	1.40	1.38	1.36	1.34
13.0000	1.33	1.31	1.29	1.28	1.26
13.0625	1.25	1.23	1.22	1.20	1.19
13.1250	1.18	1.17	1.16	1.15	1.14
13.1875	1.13	1.12	1.11	1.11	1.10
13.2500	1.09	1.09	1.08	1.08	1.07
13.3125	1.07	1.06	1.06	1.05	1.05
13.3750	1.04	1.04	1.03	1.03	1.03
13.4375	1.02	1.02	1.01	1.01	1.01
13.5000	1.00	1.00	.99	.99	.99
13.5625	.98	.98	.97	.97	.97
13.6250	.96	.96	.95	.95	.95
13.6875	.94	.94	.93	.93	.93
13.7500	.92	.92	.91	.91	.91
13.8125	.90	.90	.89	.89	.89
13.8750	.88	.88	.87	.87	.86
13.9375	.86	.86	.85	.85	.84
14.0000	.84	.83	.83	.83	.82
14.0625	.82	.81	.81	.81	.80
14.1250	.80	.80	.79	.79	.79
14.1875	.78	.78	.78	.78	.77
14.2500	.77	.77	.77	.76	.76
14.3125	.76	.76	.76	.75	.75
14.3750	.75	.75	.74	.74	.74
14.4375	.74	.74	.73	.73	.73
14.5000	.73	.73	.72	.72	.72
14.5625	.72	.72	.71	.71	.71
14.6250	.71	.71	.70	.70	.70
14.6875	.70	.70	.69	.69	.69
14.7500	.69	.69	.68	.68	.68
14.8125	.68	.68	.67	.67	.67
14.8750	.67	.67	.66	.66	.66
14.9375	.66	.65	.65	.65	.65
15.0000	.65	.64	.64	.64	.64
15.0625	.64	.63	.63	.63	.63
15.1250	.63	.62	.62	.62	.62
15.1875	.61	.61	.61	.61	.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2500	.60	.60	.60	.60	.59
15.3125	.59	.59	.59	.59	.58
15.3750	.58	.58	.58	.58	.57
15.4375	.57	.57	.57	.56	.56
15.5000	.56	.56	.56	.55	.55
15.5625	.55	.55	.54	.54	.54
15.6250	.54	.54	.53	.53	.53
15.6875	.53	.52	.52	.52	.52
15.7500	.51	.51	.51	.51	.51
15.8125	.50	.50	.50	.50	.49
15.8750	.49	.49	.49	.49	.48
15.9375	.48	.48	.48	.47	.47
16.0000	.47	.47	.46	.46	.46
16.0625	.46	.46	.45	.45	.45
16.1250	.45	.45	.45	.44	.44
16.1875	.44	.44	.44	.44	.43
16.2500	.43	.43	.43	.43	.43
16.3125	.43	.43	.43	.42	.42
16.3750	.42	.42	.42	.42	.42
16.4375	.42	.42	.42	.41	.41
16.5000	.41	.41	.41	.41	.41
16.5625	.41	.41	.41	.40	.40
16.6250	.40	.40	.40	.40	.40
16.6875	.40	.40	.40	.39	.39
16.7500	.39	.39	.39	.39	.39
16.8125	.39	.39	.39	.38	.38
16.8750	.38	.38	.38	.38	.38
16.9375	.38	.38	.38	.37	.37
17.0000	.37	.37	.37	.37	.37
17.0625	.37	.37	.37	.36	.36
17.1250	.36	.36	.36	.36	.36
17.1875	.36	.36	.36	.35	.35
17.2500	.35	.35	.35	.35	.35
17.3125	.35	.35	.35	.34	.34
17.3750	.34	.34	.34	.34	.34
17.4375	.34	.34	.34	.33	.33
17.5000	.33	.33	.33	.33	.33
17.5625	.33	.33	.33	.32	.32
17.6250	.32	.32	.32	.32	.32
17.6875	.32	.32	.31	.31	.31
17.7500	.31	.31	.31	.31	.31
17.8125	.31	.31	.30	.30	.30
17.8750	.30	.30	.30	.30	.30
17.9375	.30	.30	.29	.29	.29
18.0000	.29	.29	.29	.29	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
18.0625	.29	.29	.28	.28	.28
18.1250	.28	.28	.28	.28	.28
18.1875	.28	.28	.28	.28	.28
18.2500	.28	.28	.28	.27	.27
18.3125	.27	.27	.27	.27	.27
18.3750	.27	.27	.27	.27	.27
18.4375	.27	.27	.27	.27	.27
18.5000	.27	.27	.27	.27	.27
18.5625	.27	.27	.27	.27	.27
18.6250	.27	.27	.27	.27	.27
18.6875	.26	.26	.26	.26	.26
18.7500	.26	.26	.26	.26	.26
18.8125	.26	.26	.26	.26	.26
18.8750	.26	.26	.26	.26	.26
18.9375	.26	.26	.26	.26	.26
19.0000	.26	.26	.26	.26	.26
19.0625	.26	.26	.26	.25	.25
19.1250	.25	.25	.25	.25	.25
19.1875	.25	.25	.25	.25	.25
19.2500	.25	.25	.25	.25	.25
19.3125	.25	.25	.25	.25	.25
19.3750	.25	.25	.25	.25	.25
19.4375	.25	.25	.25	.25	.25
19.5000	.25	.24	.24	.24	.24
19.5625	.24	.24	.24	.24	.24
19.6250	.24	.24	.24	.24	.24
19.6875	.24	.24	.24	.24	.24
19.7500	.24	.24	.24	.24	.24
19.8125	.24	.24	.24	.24	.24
19.8750	.24	.24	.24	.24	.23
19.9375	.23	.23	.23	.23	.23
20.0000	.23	.23	.23	.23	.23
20.0625	.23	.23	.23	.23	.23
20.1250	.23	.23	.23	.23	.23
20.1875	.23	.23	.23	.23	.23
20.2500	.23	.23	.23	.23	.23
20.3125	.23	.23	.23	.23	.23
20.3750	.23	.23	.22	.22	.22
20.4375	.22	.22	.22	.22	.22
20.5000	.22	.22	.22	.22	.22
20.5625	.22	.22	.22	.22	.22
20.6250	.22	.22	.22	.22	.22
20.6875	.22	.22	.22	.22	.22
20.7500	.22	.22	.22	.22	.22
20.8125	.22	.22	.22	.22	.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
20.8750	.22	.22	.22	.22	.21
20.9375	.21	.21	.21	.21	.21
21.0000	.21	.21	.21	.21	.21
21.0625	.21	.21	.21	.21	.21
21.1250	.21	.21	.21	.21	.21
21.1875	.21	.21	.21	.21	.21
21.2500	.21	.21	.21	.21	.21
21.3125	.21	.21	.21	.21	.21
21.3750	.21	.21	.21	.21	.21
21.4375	.21	.21	.21	.20	.20
21.5000	.20	.20	.20	.20	.20
21.5625	.20	.20	.20	.20	.20
21.6250	.20	.20	.20	.20	.20
21.6875	.20	.20	.20	.20	.20
21.7500	.20	.20	.20	.20	.20
21.8125	.20	.20	.20	.20	.20
21.8750	.20	.20	.20	.20	.20
21.9375	.20	.20	.20	.20	.20
22.0000	.20	.19	.19	.19	.19
22.0625	.19	.19	.19	.19	.19
22.1250	.19	.19	.19	.19	.19
22.1875	.19	.19	.19	.19	.19
22.2500	.19	.19	.19	.19	.19
22.3125	.19	.19	.19	.19	.19
22.3750	.19	.19	.19	.19	.19
22.4375	.19	.19	.19	.19	.19
22.5000	.19	.19	.18	.18	.18
22.5625	.18	.18	.18	.18	.18
22.6250	.18	.18	.18	.18	.18
22.6875	.18	.18	.18	.18	.18
22.7500	.18	.18	.18	.18	.18
22.8125	.18	.18	.18	.18	.18
22.8750	.18	.18	.18	.18	.18
22.9375	.18	.18	.18	.18	.18
23.0000	.18	.18	.18	.18	.18
23.0625	.17	.17	.17	.17	.17
23.1250	.17	.17	.17	.17	.17
23.1875	.17	.17	.17	.17	.17
23.2500	.17	.17	.17	.17	.17
23.3125	.17	.17	.17	.17	.17
23.3750	.17	.17	.17	.17	.17
23.4375	.17	.17	.17	.17	.17
23.5000	.17	.17	.17	.17	.17
23.5625	.17	.16	.16	.16	.16
23.6250	.16	.16	.16	.16	.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.6875	.16	.16	.16	.16	.16
23.7500	.16	.16	.16	.16	.16
23.8125	.16	.16	.16	.16	.16
23.8750	.16	.16	.16	.16	.16
23.9375	.16	.16	.16	.16	.16
24.0000	.16	.15	.15	.15	.15
24.0625	.14	.14	.13	.12	.11
24.1250	.10	.09	.08	.07	.06
24.1875	.06	.05	.04	.04	.03
24.2500	.03	.02	.02	.02	.02
24.3125	.01	.01	.01	.01	.01
24.3750	.01	.01	.00	.00	.00
24.4375	.00	.00	.00	.00	.00
24.5000	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL DD

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH DD          D.A. DD          work_pad.hyg  D.A. DD       10
=====

```

INFLOWS TO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. DD       10           73905       12.1750     17.99

```

TOTAL FLOW INTO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL DD    10           73905       12.1750     17.99

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL DD

HYG Tag = 10

 Peak Discharge = 17.99 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 73905 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.01	.01	.01
8.9000	.01	.01	.01	.01	.02
8.9625	.02	.02	.02	.02	.03
9.0250	.03	.03	.03	.03	.04
9.0875	.04	.04	.04	.04	.05
9.1500	.05	.05	.05	.06	.06
9.2125	.06	.06	.06	.07	.07
9.2750	.07	.07	.08	.08	.08
9.3375	.08	.09	.09	.09	.09
9.4000	.10	.10	.10	.11	.11
9.4625	.11	.11	.12	.12	.12
9.5250	.12	.13	.13	.13	.14
9.5875	.14	.14	.15	.15	.15
9.6500	.15	.16	.16	.16	.17
9.7125	.17	.17	.18	.18	.18
9.7750	.19	.19	.19	.20	.20
9.8375	.20	.21	.21	.21	.22
9.9000	.22	.22	.23	.23	.23
9.9625	.24	.24	.24	.25	.25
10.0250	.25	.26	.26	.27	.27
10.0875	.27	.28	.28	.29	.29
10.1500	.29	.30	.30	.31	.31
10.2125	.32	.32	.33	.33	.34
10.2750	.34	.35	.35	.36	.36
10.3375	.37	.37	.38	.38	.39
10.4000	.40	.40	.41	.41	.42
10.4625	.42	.43	.44	.44	.45
10.5250	.45	.46	.47	.47	.48
10.5875	.49	.49	.50	.50	.51
10.6500	.52	.52	.53	.54	.54

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.7125	.55	.56	.57	.57	.58
10.7750	.59	.59	.60	.61	.62
10.8375	.62	.63	.64	.65	.65
10.9000	.66	.67	.68	.68	.69
10.9625	.70	.71	.71	.72	.73
11.0250	.74	.75	.76	.77	.78
11.0875	.79	.80	.81	.82	.83
11.1500	.85	.86	.87	.89	.90
11.2125	.92	.94	.96	.97	.99
11.2750	1.01	1.03	1.05	1.07	1.09
11.3375	1.11	1.13	1.15	1.17	1.20
11.4000	1.22	1.24	1.27	1.29	1.31
11.4625	1.34	1.36	1.39	1.41	1.44
11.5250	1.47	1.50	1.54	1.58	1.64
11.5875	1.69	1.76	1.83	1.91	2.00
11.6500	2.09	2.20	2.32	2.45	2.59
11.7125	2.74	2.89	3.05	3.23	3.41
11.7750	3.60	3.80	4.01	4.23	4.44
11.8375	4.67	4.90	5.14	5.39	5.66
11.9000	5.94	6.24	6.59	6.95	7.43
11.9625	7.93	8.52	9.20	9.91	10.70
12.0250	11.50	12.31	13.13	13.92	14.69
12.0875	15.43	16.08	16.73	17.16	17.59
12.1500	17.82	17.95	17.99	17.81	17.63
12.2125	17.24	16.85	16.39	15.89	15.38
12.2750	14.86	14.33	13.84	13.34	12.90
12.3375	12.48	12.08	11.70	11.32	10.96
12.4000	10.60	10.26	9.92	9.59	9.27
12.4625	8.95	8.62	8.30	7.97	7.65
12.5250	7.34	7.05	6.75	6.47	6.19
12.5875	5.93	5.67	5.43	5.20	4.99
12.6500	4.80	4.61	4.45	4.30	4.16
12.7125	4.04	3.92	3.82	3.72	3.64
12.7750	3.57	3.50	3.43	3.37	3.31
12.8375	3.26	3.21	3.16	3.11	3.07
12.9000	3.02	2.98	2.94	2.90	2.87
12.9625	2.83	2.79	2.75	2.72	2.68
13.0250	2.65	2.61	2.58	2.55	2.52
13.0875	2.49	2.46	2.43	2.41	2.38
13.1500	2.36	2.34	2.32	2.30	2.28
13.2125	2.26	2.25	2.24	2.22	2.21
13.2750	2.20	2.19	2.17	2.16	2.15
13.3375	2.14	2.13	2.12	2.11	2.10
13.4000	2.09	2.09	2.08	2.07	2.06
13.4625	2.05	2.04	2.03	2.02	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.5250	2.01	2.00	1.99	1.98	1.97
13.5875	1.96	1.95	1.95	1.94	1.93
13.6500	1.92	1.91	1.90	1.89	1.89
13.7125	1.88	1.87	1.86	1.85	1.84
13.7750	1.83	1.83	1.82	1.81	1.80
13.8375	1.79	1.78	1.77	1.76	1.76
13.9000	1.75	1.74	1.73	1.72	1.71
13.9625	1.70	1.69	1.68	1.68	1.67
14.0250	1.66	1.65	1.64	1.63	1.62
14.0875	1.62	1.61	1.60	1.59	1.59
14.1500	1.58	1.57	1.57	1.56	1.55
14.2125	1.55	1.54	1.54	1.53	1.53
14.2750	1.52	1.52	1.51	1.51	1.50
14.3375	1.50	1.50	1.49	1.49	1.48
14.4000	1.48	1.47	1.47	1.46	1.46
14.4625	1.46	1.45	1.45	1.44	1.44
14.5250	1.44	1.43	1.43	1.42	1.42
14.5875	1.41	1.41	1.41	1.40	1.40
14.6500	1.39	1.39	1.38	1.38	1.38
14.7125	1.37	1.37	1.36	1.36	1.35
14.7750	1.35	1.35	1.34	1.34	1.33
14.8375	1.33	1.32	1.32	1.32	1.31
14.9000	1.31	1.30	1.30	1.29	1.29
14.9625	1.29	1.28	1.28	1.27	1.27
15.0250	1.26	1.26	1.25	1.25	1.25
15.0875	1.24	1.24	1.23	1.23	1.22
15.1500	1.22	1.22	1.21	1.21	1.20
15.2125	1.20	1.19	1.19	1.18	1.18
15.2750	1.18	1.17	1.17	1.16	1.16
15.3375	1.15	1.15	1.14	1.14	1.14
15.4000	1.13	1.13	1.12	1.12	1.11
15.4625	1.11	1.10	1.10	1.10	1.09
15.5250	1.09	1.08	1.08	1.07	1.07
15.5875	1.06	1.06	1.06	1.05	1.05
15.6500	1.04	1.04	1.03	1.03	1.02
15.7125	1.02	1.01	1.01	1.01	1.00
15.7750	1.00	.99	.99	.98	.98
15.8375	.97	.97	.97	.96	.96
15.9000	.95	.95	.94	.94	.93
15.9625	.93	.92	.92	.91	.91
16.0250	.91	.90	.90	.89	.89
16.0875	.89	.88	.88	.87	.87
16.1500	.87	.86	.86	.86	.85
16.2125	.85	.85	.85	.84	.84
16.2750	.84	.84	.83	.83	.83

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.3375	.83	.83	.82	.82	.82
16.4000	.82	.81	.81	.81	.81
16.4625	.81	.80	.80	.80	.80
16.5250	.80	.79	.79	.79	.79
16.5875	.79	.78	.78	.78	.78
16.6500	.78	.77	.77	.77	.77
16.7125	.77	.77	.76	.76	.76
16.7750	.76	.76	.75	.75	.75
16.8375	.75	.75	.74	.74	.74
16.9000	.74	.74	.73	.73	.73
16.9625	.73	.73	.72	.72	.72
17.0250	.72	.72	.71	.71	.71
17.0875	.71	.71	.70	.70	.70
17.1500	.70	.70	.69	.69	.69
17.2125	.69	.69	.68	.68	.68
17.2750	.68	.68	.67	.67	.67
17.3375	.67	.67	.66	.66	.66
17.4000	.66	.66	.65	.65	.65
17.4625	.65	.65	.64	.64	.64
17.5250	.64	.64	.63	.63	.63
17.5875	.63	.63	.62	.62	.62
17.6500	.62	.62	.61	.61	.61
17.7125	.61	.61	.60	.60	.60
17.7750	.60	.60	.59	.59	.59
17.8375	.59	.58	.58	.58	.58
17.9000	.58	.57	.57	.57	.57
17.9625	.57	.56	.56	.56	.56
18.0250	.56	.55	.55	.55	.55
18.0875	.55	.54	.54	.54	.54
18.1500	.54	.54	.54	.54	.53
18.2125	.53	.53	.53	.53	.53
18.2750	.53	.53	.53	.53	.53
18.3375	.53	.52	.52	.52	.52
18.4000	.52	.52	.52	.52	.52
18.4625	.52	.52	.52	.52	.52
18.5250	.52	.52	.51	.51	.51
18.5875	.51	.51	.51	.51	.51
18.6500	.51	.51	.51	.51	.51
18.7125	.51	.51	.51	.51	.50
18.7750	.50	.50	.50	.50	.50
18.8375	.50	.50	.50	.50	.50
18.9000	.50	.50	.50	.50	.50
18.9625	.50	.49	.49	.49	.49
19.0250	.49	.49	.49	.49	.49
19.0875	.49	.49	.49	.49	.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.1500	.49	.49	.48	.48	.48
19.2125	.48	.48	.48	.48	.48
19.2750	.48	.48	.48	.48	.48
19.3375	.48	.48	.48	.48	.47
19.4000	.47	.47	.47	.47	.47
19.4625	.47	.47	.47	.47	.47
19.5250	.47	.47	.47	.47	.47
19.5875	.47	.46	.46	.46	.46
19.6500	.46	.46	.46	.46	.46
19.7125	.46	.46	.46	.46	.46
19.7750	.46	.46	.45	.45	.45
19.8375	.45	.45	.45	.45	.45
19.9000	.45	.45	.45	.45	.45
19.9625	.45	.45	.45	.45	.44
20.0250	.44	.44	.44	.44	.44
20.0875	.44	.44	.44	.44	.44
20.1500	.44	.44	.44	.44	.44
20.2125	.44	.44	.44	.44	.43
20.2750	.43	.43	.43	.43	.43
20.3375	.43	.43	.43	.43	.43
20.4000	.43	.43	.43	.43	.43
20.4625	.43	.43	.43	.43	.42
20.5250	.42	.42	.42	.42	.42
20.5875	.42	.42	.42	.42	.42
20.6500	.42	.42	.42	.42	.42
20.7125	.42	.42	.42	.42	.42
20.7750	.41	.41	.41	.41	.41
20.8375	.41	.41	.41	.41	.41
20.9000	.41	.41	.41	.41	.41
20.9625	.41	.41	.41	.41	.41
21.0250	.41	.41	.41	.41	.41
21.0875	.40	.40	.40	.40	.40
21.1500	.40	.40	.40	.40	.40
21.2125	.40	.40	.40	.40	.40
21.2750	.40	.40	.40	.40	.40
21.3375	.39	.39	.39	.39	.39
21.4000	.39	.39	.39	.39	.39
21.4625	.39	.39	.39	.39	.39
21.5250	.39	.39	.39	.39	.39
21.5875	.39	.38	.38	.38	.38
21.6500	.38	.38	.38	.38	.38
21.7125	.38	.38	.38	.38	.38
21.7750	.38	.38	.38	.38	.38
21.8375	.38	.38	.38	.38	.38
21.9000	.37	.37	.37	.37	.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9625	.37	.37	.37	.37	.37
22.0250	.37	.37	.37	.37	.37
22.0875	.37	.37	.37	.37	.37
22.1500	.37	.36	.36	.36	.36
22.2125	.36	.36	.36	.36	.36
22.2750	.36	.36	.36	.36	.36
22.3375	.36	.36	.36	.36	.36
22.4000	.36	.35	.35	.35	.35
22.4625	.35	.35	.35	.35	.35
22.5250	.35	.35	.35	.35	.35
22.5875	.35	.35	.35	.35	.35
22.6500	.35	.35	.35	.35	.35
22.7125	.34	.34	.34	.34	.34
22.7750	.34	.34	.34	.34	.34
22.8375	.34	.34	.34	.34	.34
22.9000	.34	.34	.34	.34	.34
22.9625	.34	.33	.33	.33	.33
23.0250	.33	.33	.33	.33	.33
23.0875	.33	.33	.33	.33	.33
23.1500	.33	.33	.33	.33	.33
23.2125	.33	.32	.32	.32	.32
23.2750	.32	.32	.32	.32	.32
23.3375	.32	.32	.32	.32	.32
23.4000	.32	.32	.32	.32	.32
23.4625	.32	.32	.32	.32	.32
23.5250	.31	.31	.31	.31	.31
23.5875	.31	.31	.31	.31	.31
23.6500	.31	.31	.31	.31	.31
23.7125	.31	.31	.31	.31	.31
23.7750	.30	.30	.30	.30	.30
23.8375	.30	.30	.30	.30	.30
23.9000	.30	.30	.30	.30	.30
23.9625	.30	.30	.30	.29	.29
24.0250	.29	.29	.28	.27	.26
24.0875	.24	.23	.21	.19	.17
24.1500	.15	.14	.12	.10	.09
24.2125	.08	.07	.06	.05	.04
24.2750	.04	.03	.03	.02	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.00	.00	.00	.00	.00
24.5250	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL DD

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH DD          D.A. DD        work_pad.hyg  D.A. DD       25
=====

```

INFLOWS TO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. DD      25           96776       12.1750     23.59

```

TOTAL FLOW INTO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL DD   25           96776       12.1750     23.59

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL DD

HYG Tag = 25

 Peak Discharge = 23.59 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 96776 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.01	.01	.01
8.2125	.01	.01	.01	.01	.01
8.2750	.02	.02	.02	.02	.02
8.3375	.02	.03	.03	.03	.03
8.4000	.03	.03	.04	.04	.04
8.4625	.04	.04	.05	.05	.05
8.5250	.05	.05	.06	.06	.06
8.5875	.06	.07	.07	.07	.07
8.6500	.07	.08	.08	.08	.08
8.7125	.09	.09	.09	.09	.10
8.7750	.10	.10	.10	.11	.11
8.8375	.11	.12	.12	.12	.12
8.9000	.13	.13	.13	.14	.14
8.9625	.14	.14	.15	.15	.15
9.0250	.16	.16	.16	.17	.17
9.0875	.17	.18	.18	.18	.18
9.1500	.19	.19	.19	.20	.20
9.2125	.20	.21	.21	.22	.22
9.2750	.22	.23	.23	.23	.24
9.3375	.24	.24	.25	.25	.26
9.4000	.26	.26	.27	.27	.27
9.4625	.28	.28	.29	.29	.29
9.5250	.30	.30	.31	.31	.31
9.5875	.32	.32	.33	.33	.34
9.6500	.34	.34	.35	.35	.36
9.7125	.36	.37	.37	.37	.38
9.7750	.38	.39	.39	.40	.40
9.8375	.41	.41	.42	.42	.42
9.9000	.43	.43	.44	.44	.45
9.9625	.45	.46	.46	.47	.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.0250	.48	.48	.49	.49	.50
10.0875	.50	.51	.51	.52	.53
10.1500	.53	.54	.54	.55	.56
10.2125	.56	.57	.58	.58	.59
10.2750	.60	.61	.61	.62	.63
10.3375	.64	.64	.65	.66	.67
10.4000	.67	.68	.69	.70	.71
10.4625	.71	.72	.73	.74	.75
10.5250	.76	.76	.77	.78	.79
10.5875	.80	.81	.82	.83	.83
10.6500	.84	.85	.86	.87	.88
10.7125	.89	.90	.91	.92	.93
10.7750	.94	.95	.96	.97	.98
10.8375	.99	1.00	1.01	1.02	1.03
10.9000	1.04	1.05	1.06	1.07	1.08
10.9625	1.09	1.10	1.11	1.12	1.13
11.0250	1.14	1.15	1.17	1.18	1.19
11.0875	1.21	1.22	1.23	1.25	1.27
11.1500	1.29	1.30	1.32	1.34	1.37
11.2125	1.39	1.41	1.44	1.46	1.49
11.2750	1.51	1.54	1.57	1.60	1.62
11.3375	1.65	1.68	1.71	1.74	1.77
11.4000	1.80	1.83	1.87	1.90	1.93
11.4625	1.96	1.99	2.03	2.06	2.10
11.5250	2.14	2.19	2.24	2.30	2.37
11.5875	2.45	2.54	2.64	2.75	2.87
11.6500	2.99	3.15	3.31	3.50	3.69
11.7125	3.89	4.11	4.33	4.57	4.81
11.7750	5.08	5.35	5.63	5.92	6.21
11.8375	6.52	6.82	7.15	7.48	7.83
11.9000	8.20	8.59	9.06	9.53	10.16
11.9625	10.81	11.59	12.48	13.40	14.44
12.0250	15.48	16.53	17.58	18.60	19.58
12.0875	20.52	21.33	22.15	22.68	23.19
12.1500	23.46	23.59	23.59	23.33	23.06
12.2125	22.52	21.97	21.35	20.67	19.99
12.2750	19.28	18.58	17.92	17.26	16.68
12.3375	16.11	15.58	15.07	14.57	14.10
12.4000	13.63	13.18	12.73	12.30	11.88
12.4625	11.46	11.04	10.61	10.20	9.78
12.5250	9.38	9.00	8.61	8.25	7.89
12.5875	7.55	7.22	6.91	6.62	6.35
12.6500	6.11	5.87	5.66	5.46	5.29
12.7125	5.13	4.98	4.85	4.73	4.63
12.7750	4.52	4.43	4.35	4.27	4.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.8375	4.13	4.06	4.00	3.94	3.88
12.9000	3.83	3.78	3.72	3.67	3.63
12.9625	3.58	3.53	3.48	3.44	3.39
13.0250	3.35	3.30	3.26	3.22	3.18
13.0875	3.14	3.11	3.07	3.04	3.01
13.1500	2.98	2.95	2.93	2.90	2.88
13.2125	2.86	2.84	2.82	2.80	2.79
13.2750	2.77	2.76	2.74	2.73	2.72
13.3375	2.70	2.69	2.68	2.67	2.65
13.4000	2.64	2.63	2.62	2.61	2.59
13.4625	2.58	2.57	2.56	2.55	2.54
13.5250	2.53	2.52	2.51	2.49	2.48
13.5875	2.47	2.46	2.45	2.44	2.43
13.6500	2.42	2.41	2.39	2.38	2.37
13.7125	2.36	2.35	2.34	2.33	2.32
13.7750	2.31	2.30	2.28	2.27	2.26
13.8375	2.25	2.24	2.23	2.22	2.21
13.9000	2.19	2.18	2.17	2.16	2.15
13.9625	2.14	2.13	2.12	2.10	2.09
14.0250	2.08	2.07	2.06	2.05	2.04
14.0875	2.03	2.02	2.01	2.00	1.99
14.1500	1.98	1.97	1.97	1.96	1.95
14.2125	1.94	1.94	1.93	1.92	1.92
14.2750	1.91	1.90	1.90	1.89	1.89
14.3375	1.88	1.88	1.87	1.86	1.86
14.4000	1.85	1.85	1.84	1.84	1.83
14.4625	1.83	1.82	1.81	1.81	1.80
14.5250	1.80	1.79	1.79	1.78	1.78
14.5875	1.77	1.77	1.76	1.76	1.75
14.6500	1.74	1.74	1.73	1.73	1.72
14.7125	1.72	1.71	1.71	1.70	1.70
14.7750	1.69	1.68	1.68	1.67	1.67
14.8375	1.66	1.66	1.65	1.65	1.64
14.9000	1.64	1.63	1.62	1.62	1.61
14.9625	1.61	1.60	1.60	1.59	1.59
15.0250	1.58	1.57	1.57	1.56	1.56
15.0875	1.55	1.55	1.54	1.54	1.53
15.1500	1.53	1.52	1.51	1.51	1.50
15.2125	1.50	1.49	1.49	1.48	1.48
15.2750	1.47	1.46	1.46	1.45	1.45
15.3375	1.44	1.44	1.43	1.42	1.42
15.4000	1.41	1.41	1.40	1.40	1.39
15.4625	1.39	1.38	1.37	1.37	1.36
15.5250	1.36	1.35	1.35	1.34	1.33
15.5875	1.33	1.32	1.32	1.31	1.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.6500	1.30	1.30	1.29	1.28	1.28
15.7125	1.27	1.27	1.26	1.26	1.25
15.7750	1.24	1.24	1.23	1.23	1.22
15.8375	1.22	1.21	1.20	1.20	1.19
15.9000	1.19	1.18	1.18	1.17	1.16
15.9625	1.16	1.15	1.15	1.14	1.14
16.0250	1.13	1.12	1.12	1.11	1.11
16.0875	1.10	1.10	1.09	1.09	1.09
16.1500	1.08	1.08	1.07	1.07	1.07
16.2125	1.06	1.06	1.05	1.05	1.05
16.2750	1.05	1.04	1.04	1.04	1.03
16.3375	1.03	1.03	1.03	1.02	1.02
16.4000	1.02	1.02	1.01	1.01	1.01
16.4625	1.01	1.00	1.00	1.00	1.00
16.5250	.99	.99	.99	.99	.98
16.5875	.98	.98	.98	.97	.97
16.6500	.97	.97	.96	.96	.96
16.7125	.96	.95	.95	.95	.95
16.7750	.94	.94	.94	.94	.93
16.8375	.93	.93	.93	.92	.92
16.9000	.92	.92	.91	.91	.91
16.9625	.91	.90	.90	.90	.90
17.0250	.89	.89	.89	.89	.88
17.0875	.88	.88	.88	.87	.87
17.1500	.87	.87	.86	.86	.86
17.2125	.86	.85	.85	.85	.85
17.2750	.84	.84	.84	.84	.83
17.3375	.83	.83	.83	.82	.82
17.4000	.82	.82	.81	.81	.81
17.4625	.81	.80	.80	.80	.80
17.5250	.79	.79	.79	.79	.78
17.5875	.78	.78	.78	.77	.77
17.6500	.77	.77	.76	.76	.76
17.7125	.76	.75	.75	.75	.75
17.7750	.74	.74	.74	.74	.73
17.8375	.73	.73	.72	.72	.72
17.9000	.72	.71	.71	.71	.71
17.9625	.71	.70	.70	.70	.69
18.0250	.69	.69	.69	.68	.68
18.0875	.68	.68	.68	.67	.67
18.1500	.67	.67	.67	.67	.66
18.2125	.66	.66	.66	.66	.66
18.2750	.66	.66	.66	.65	.65
18.3375	.65	.65	.65	.65	.65
18.4000	.65	.65	.65	.65	.65

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4625	.65	.64	.64	.64	.64
18.5250	.64	.64	.64	.64	.64
18.5875	.64	.64	.64	.64	.63
18.6500	.63	.63	.63	.63	.63
18.7125	.63	.63	.63	.63	.63
18.7750	.63	.63	.62	.62	.62
18.8375	.62	.62	.62	.62	.62
18.9000	.62	.62	.62	.62	.62
18.9625	.62	.61	.61	.61	.61
19.0250	.61	.61	.61	.61	.61
19.0875	.61	.61	.61	.61	.60
19.1500	.60	.60	.60	.60	.60
19.2125	.60	.60	.60	.60	.60
19.2750	.60	.60	.60	.59	.59
19.3375	.59	.59	.59	.59	.59
19.4000	.59	.59	.59	.59	.59
19.4625	.59	.58	.58	.58	.58
19.5250	.58	.58	.58	.58	.58
19.5875	.58	.58	.58	.58	.57
19.6500	.57	.57	.57	.57	.57
19.7125	.57	.57	.57	.57	.57
19.7750	.57	.57	.56	.56	.56
19.8375	.56	.56	.56	.56	.56
19.9000	.56	.56	.56	.56	.56
19.9625	.56	.55	.55	.55	.55
20.0250	.55	.55	.55	.55	.55
20.0875	.55	.55	.55	.55	.54
20.1500	.54	.54	.54	.54	.54
20.2125	.54	.54	.54	.54	.54
20.2750	.54	.54	.54	.54	.54
20.3375	.54	.53	.53	.53	.53
20.4000	.53	.53	.53	.53	.53
20.4625	.53	.53	.53	.53	.53
20.5250	.53	.53	.53	.52	.52
20.5875	.52	.52	.52	.52	.52
20.6500	.52	.52	.52	.52	.52
20.7125	.52	.52	.52	.52	.51
20.7750	.51	.51	.51	.51	.51
20.8375	.51	.51	.51	.51	.51
20.9000	.51	.51	.51	.51	.51
20.9625	.51	.51	.51	.50	.50
21.0250	.50	.50	.50	.50	.50
21.0875	.50	.50	.50	.50	.50
21.1500	.50	.50	.50	.50	.50
21.2125	.50	.49	.49	.49	.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2750	.49	.49	.49	.49	.49
21.3375	.49	.49	.49	.49	.49
21.4000	.49	.49	.49	.49	.48
21.4625	.48	.48	.48	.48	.48
21.5250	.48	.48	.48	.48	.48
21.5875	.48	.48	.48	.48	.48
21.6500	.48	.47	.47	.47	.47
21.7125	.47	.47	.47	.47	.47
21.7750	.47	.47	.47	.47	.47
21.8375	.47	.47	.47	.47	.47
21.9000	.46	.46	.46	.46	.46
21.9625	.46	.46	.46	.46	.46
22.0250	.46	.46	.46	.46	.46
22.0875	.46	.45	.45	.45	.45
22.1500	.45	.45	.45	.45	.45
22.2125	.45	.45	.45	.45	.45
22.2750	.45	.45	.45	.44	.44
22.3375	.44	.44	.44	.44	.44
22.4000	.44	.44	.44	.44	.44
22.4625	.44	.44	.44	.44	.44
22.5250	.43	.43	.43	.43	.43
22.5875	.43	.43	.43	.43	.43
22.6500	.43	.43	.43	.43	.43
22.7125	.43	.43	.43	.43	.42
22.7750	.42	.42	.42	.42	.42
22.8375	.42	.42	.42	.42	.42
22.9000	.42	.42	.42	.42	.42
22.9625	.42	.41	.41	.41	.41
23.0250	.41	.41	.41	.41	.41
23.0875	.41	.41	.41	.41	.41
23.1500	.41	.40	.40	.40	.40
23.2125	.40	.40	.40	.40	.40
23.2750	.40	.40	.40	.40	.40
23.3375	.40	.40	.40	.40	.40
23.4000	.39	.39	.39	.39	.39
23.4625	.39	.39	.39	.39	.39
23.5250	.39	.39	.39	.39	.39
23.5875	.39	.39	.38	.38	.38
23.6500	.38	.38	.38	.38	.38
23.7125	.38	.38	.38	.38	.38
23.7750	.38	.38	.38	.38	.38
23.8375	.37	.37	.37	.37	.37
23.9000	.37	.37	.37	.37	.37
23.9625	.37	.37	.37	.37	.36
24.0250	.36	.35	.35	.33	.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0875	.30	.28	.26	.24	.21
24.1500	.19	.17	.15	.13	.11
24.2125	.10	.08	.07	.06	.05
24.2750	.05	.04	.04	.03	.03
24.3375	.02	.02	.02	.02	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.01	.00	.00	.00	.00
24.5250	.00	.00	.00	.00	.00
24.5875	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL DD

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH DD          D.A. DD          work_pad.hyg  D.A. DD        50
=====

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INFLOWS TO: OUTFALL DD

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. DD      50           108567      12.1625     26.46

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TOTAL FLOW INTO: OUTFALL DD

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL DD   50           108567      12.1625     26.46

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL DD

HYG Tag = 50

 Peak Discharge = 26.46 cfs
 Time to Peak = 12.1625 hrs
 HYG Volume = 108567 cu.ft

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
7.7625	.00	.00	.00	.00	.00
7.8250	.00	.00	.01	.01	.01
7.8875	.01	.01	.01	.01	.01
7.9500	.01	.02	.02	.02	.02
8.0125	.02	.02	.03	.03	.03
8.0750	.03	.03	.03	.04	.04
8.1375	.04	.04	.04	.04	.05
8.2000	.05	.05	.05	.05	.06
8.2625	.06	.06	.06	.06	.07
8.3250	.07	.07	.07	.08	.08
8.3875	.08	.08	.08	.09	.09
8.4500	.09	.09	.10	.10	.10
8.5125	.10	.11	.11	.11	.11
8.5750	.12	.12	.12	.13	.13
8.6375	.13	.13	.14	.14	.14
8.7000	.14	.15	.15	.15	.16
8.7625	.16	.16	.17	.17	.17
8.8250	.18	.18	.18	.19	.19
8.8875	.19	.20	.20	.20	.21
8.9500	.21	.21	.22	.22	.22
9.0125	.23	.23	.23	.24	.24
9.0750	.24	.25	.25	.26	.26
9.1375	.26	.27	.27	.28	.28
9.2000	.28	.29	.29	.30	.30
9.2625	.30	.31	.31	.32	.32
9.3250	.32	.33	.33	.34	.34
9.3875	.35	.35	.35	.36	.36
9.4500	.37	.37	.38	.38	.39
9.5125	.39	.40	.40	.40	.41
9.5750	.41	.42	.42	.43	.43
9.6375	.44	.44	.45	.45	.46

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.7000	.46	.47	.47	.48	.48
9.7625	.49	.49	.50	.50	.51
9.8250	.51	.52	.52	.53	.53
9.8875	.54	.55	.55	.56	.56
9.9500	.57	.57	.58	.58	.59
10.0125	.59	.60	.61	.61	.62
10.0750	.62	.63	.64	.64	.65
10.1375	.66	.66	.67	.68	.68
10.2000	.69	.70	.71	.71	.72
10.2625	.73	.74	.75	.76	.76
10.3250	.77	.78	.79	.80	.81
10.3875	.82	.83	.83	.84	.85
10.4500	.86	.87	.88	.89	.90
10.5125	.91	.92	.93	.94	.95
10.5750	.96	.97	.98	.99	1.00
10.6375	1.01	1.02	1.03	1.04	1.05
10.7000	1.06	1.07	1.08	1.09	1.10
10.7625	1.11	1.13	1.14	1.15	1.16
10.8250	1.17	1.18	1.19	1.20	1.21
10.8875	1.23	1.24	1.25	1.26	1.27
10.9500	1.28	1.30	1.31	1.32	1.33
11.0125	1.34	1.36	1.37	1.38	1.40
11.0750	1.41	1.43	1.44	1.46	1.48
11.1375	1.50	1.52	1.54	1.56	1.59
11.2000	1.61	1.64	1.67	1.69	1.72
11.2625	1.75	1.78	1.81	1.84	1.88
11.3250	1.91	1.94	1.97	2.01	2.04
11.3875	2.08	2.11	2.15	2.18	2.22
11.4500	2.26	2.29	2.33	2.37	2.41
11.5125	2.45	2.50	2.55	2.61	2.68
11.5750	2.76	2.85	2.95	3.06	3.19
11.6375	3.33	3.47	3.66	3.84	4.05
11.7000	4.27	4.50	4.75	5.00	5.27
11.7625	5.55	5.85	6.16	6.48	6.81
11.8250	7.14	7.48	7.83	8.19	8.56
11.8875	8.96	9.38	9.82	10.34	10.87
11.9500	11.57	12.30	13.18	14.18	15.21
12.0125	16.37	17.53	18.70	19.87	21.00
12.0750	22.09	23.13	24.02	24.92	25.50
12.1375	26.05	26.34	26.46	26.45	26.14
12.2000	25.82	25.20	24.58	23.87	23.11
12.2625	22.33	21.53	20.73	19.99	19.25
12.3250	18.59	17.96	17.35	16.79	16.22
12.3875	15.69	15.16	14.65	14.16	13.67
12.4500	13.20	12.73	12.26	11.78	11.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.5125	10.85	10.41	9.98	9.55	9.15
12.5750	8.75	8.37	8.00	7.66	7.34
12.6375	7.03	6.76	6.50	6.27	6.05
12.7000	5.85	5.68	5.51	5.37	5.23
12.7625	5.12	5.01	4.91	4.81	4.72
12.8250	4.64	4.56	4.50	4.43	4.36
12.8875	4.30	4.23	4.18	4.12	4.06
12.9500	4.01	3.95	3.90	3.85	3.80
13.0125	3.75	3.70	3.65	3.60	3.56
13.0750	3.52	3.47	3.43	3.39	3.36
13.1375	3.32	3.29	3.26	3.23	3.21
13.2000	3.18	3.16	3.14	3.12	3.10
13.2625	3.08	3.06	3.04	3.03	3.01
13.3250	3.00	2.98	2.97	2.96	2.94
13.3875	2.93	2.91	2.90	2.89	2.88
13.4500	2.86	2.85	2.84	2.83	2.81
13.5125	2.80	2.79	2.78	2.76	2.75
13.5750	2.74	2.73	2.72	2.70	2.69
13.6375	2.68	2.67	2.65	2.64	2.63
13.7000	2.62	2.60	2.59	2.58	2.57
13.7625	2.56	2.54	2.53	2.52	2.51
13.8250	2.49	2.48	2.47	2.46	2.44
13.8875	2.43	2.42	2.41	2.39	2.38
13.9500	2.37	2.36	2.35	2.33	2.32
14.0125	2.31	2.30	2.28	2.27	2.26
14.0750	2.25	2.24	2.23	2.21	2.20
14.1375	2.19	2.18	2.18	2.17	2.16
14.2000	2.15	2.14	2.13	2.13	2.12
14.2625	2.11	2.11	2.10	2.09	2.09
14.3250	2.08	2.07	2.07	2.06	2.05
14.3875	2.05	2.04	2.03	2.03	2.02
14.4500	2.02	2.01	2.01	2.00	1.99
14.5125	1.99	1.98	1.97	1.97	1.96
14.5750	1.96	1.95	1.94	1.94	1.93
14.6375	1.93	1.92	1.92	1.91	1.90
14.7000	1.90	1.89	1.88	1.88	1.87
14.7625	1.87	1.86	1.85	1.85	1.84
14.8250	1.84	1.83	1.82	1.82	1.81
14.8875	1.81	1.80	1.79	1.79	1.78
14.9500	1.78	1.77	1.76	1.76	1.75
15.0125	1.75	1.74	1.73	1.73	1.72
15.0750	1.72	1.71	1.70	1.70	1.69
15.1375	1.68	1.68	1.67	1.67	1.66
15.2000	1.65	1.65	1.64	1.64	1.63
15.2625	1.62	1.62	1.61	1.60	1.60

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.3250	1.59	1.59	1.58	1.57	1.57
15.3875	1.56	1.55	1.55	1.54	1.54
15.4500	1.53	1.52	1.52	1.51	1.51
15.5125	1.50	1.49	1.49	1.48	1.47
15.5750	1.47	1.46	1.46	1.45	1.44
15.6375	1.44	1.43	1.42	1.42	1.41
15.7000	1.41	1.40	1.39	1.39	1.38
15.7625	1.37	1.37	1.36	1.36	1.35
15.8250	1.34	1.34	1.33	1.32	1.32
15.8875	1.31	1.31	1.30	1.29	1.29
15.9500	1.28	1.27	1.27	1.26	1.25
16.0125	1.25	1.24	1.24	1.23	1.22
16.0750	1.22	1.21	1.21	1.20	1.20
16.1375	1.19	1.19	1.18	1.18	1.18
16.2000	1.17	1.17	1.16	1.16	1.16
16.2625	1.15	1.15	1.15	1.14	1.14
16.3250	1.14	1.13	1.13	1.13	1.13
16.3875	1.12	1.12	1.12	1.11	1.11
16.4500	1.11	1.10	1.10	1.10	1.10
16.5125	1.09	1.09	1.09	1.09	1.08
16.5750	1.08	1.08	1.07	1.07	1.07
16.6375	1.07	1.06	1.06	1.06	1.06
16.7000	1.05	1.05	1.05	1.04	1.04
16.7625	1.04	1.04	1.03	1.03	1.03
16.8250	1.03	1.02	1.02	1.02	1.01
16.8875	1.01	1.01	1.01	1.00	1.00
16.9500	1.00	1.00	.99	.99	.99
17.0125	.98	.98	.98	.98	.97
17.0750	.97	.97	.97	.96	.96
17.1375	.96	.95	.95	.95	.95
17.2000	.94	.94	.94	.93	.93
17.2625	.93	.93	.92	.92	.92
17.3250	.92	.91	.91	.91	.91
17.3875	.90	.90	.90	.89	.89
17.4500	.89	.88	.88	.88	.88
17.5125	.87	.87	.87	.87	.86
17.5750	.86	.86	.85	.85	.85
17.6375	.85	.84	.84	.84	.83
17.7000	.83	.83	.83	.82	.82
17.7625	.82	.82	.81	.81	.81
17.8250	.80	.80	.80	.80	.79
17.8875	.79	.79	.78	.78	.78
17.9500	.78	.77	.77	.77	.77
18.0125	.76	.76	.76	.75	.75
18.0750	.75	.75	.74	.74	.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.1375	.74	.74	.73	.73	.73
18.2000	.73	.73	.73	.73	.72
18.2625	.72	.72	.72	.72	.72
18.3250	.72	.72	.72	.72	.71
18.3875	.71	.71	.71	.71	.71
18.4500	.71	.71	.71	.71	.71
18.5125	.70	.70	.70	.70	.70
18.5750	.70	.70	.70	.70	.70
18.6375	.70	.70	.70	.69	.69
18.7000	.69	.69	.69	.69	.69
18.7625	.69	.69	.69	.69	.69
18.8250	.68	.68	.68	.68	.68
18.8875	.68	.68	.68	.68	.68
18.9500	.68	.68	.67	.67	.67
19.0125	.67	.67	.67	.67	.67
19.0750	.67	.67	.67	.67	.66
19.1375	.66	.66	.66	.66	.66
19.2000	.66	.66	.66	.66	.66
19.2625	.66	.65	.65	.65	.65
19.3250	.65	.65	.65	.65	.65
19.3875	.65	.65	.65	.64	.64
19.4500	.64	.64	.64	.64	.64
19.5125	.64	.64	.64	.64	.64
19.5750	.63	.63	.63	.63	.63
19.6375	.63	.63	.63	.63	.63
19.7000	.63	.63	.62	.62	.62
19.7625	.62	.62	.62	.62	.62
19.8250	.62	.62	.62	.62	.62
19.8875	.61	.61	.61	.61	.61
19.9500	.61	.61	.61	.61	.61
20.0125	.61	.60	.60	.60	.60
20.0750	.60	.60	.60	.60	.60
20.1375	.60	.60	.60	.60	.59
20.2000	.59	.59	.59	.59	.59
20.2625	.59	.59	.59	.59	.59
20.3250	.59	.59	.59	.59	.59
20.3875	.58	.58	.58	.58	.58
20.4500	.58	.58	.58	.58	.58
20.5125	.58	.58	.58	.58	.58
20.5750	.58	.57	.57	.57	.57
20.6375	.57	.57	.57	.57	.57
20.7000	.57	.57	.57	.57	.57
20.7625	.56	.56	.56	.56	.56
20.8250	.56	.56	.56	.56	.56
20.8875	.56	.56	.56	.56	.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.9500	.56	.56	.55	.55	.55
21.0125	.55	.55	.55	.55	.55
21.0750	.55	.55	.55	.55	.55
21.1375	.55	.55	.55	.55	.54
21.2000	.54	.54	.54	.54	.54
21.2625	.54	.54	.54	.54	.54
21.3250	.54	.54	.54	.54	.54
21.3875	.53	.53	.53	.53	.53
21.4500	.53	.53	.53	.53	.53
21.5125	.53	.53	.53	.53	.52
21.5750	.52	.52	.52	.52	.52
21.6375	.52	.52	.52	.52	.52
21.7000	.52	.52	.52	.52	.52
21.7625	.52	.51	.51	.51	.51
21.8250	.51	.51	.51	.51	.51
21.8875	.51	.51	.51	.51	.51
21.9500	.51	.51	.51	.50	.50
22.0125	.50	.50	.50	.50	.50
22.0750	.50	.50	.50	.50	.50
22.1375	.50	.50	.50	.49	.49
22.2000	.49	.49	.49	.49	.49
22.2625	.49	.49	.49	.49	.49
22.3250	.49	.49	.49	.48	.48
22.3875	.48	.48	.48	.48	.48
22.4500	.48	.48	.48	.48	.48
22.5125	.48	.48	.48	.48	.47
22.5750	.47	.47	.47	.47	.47
22.6375	.47	.47	.47	.47	.47
22.7000	.47	.47	.47	.47	.47
22.7625	.47	.46	.46	.46	.46
22.8250	.46	.46	.46	.46	.46
22.8875	.46	.46	.46	.46	.46
22.9500	.46	.45	.45	.45	.45
23.0125	.45	.45	.45	.45	.45
23.0750	.45	.45	.45	.45	.45
23.1375	.45	.44	.44	.44	.44
23.2000	.44	.44	.44	.44	.44
23.2625	.44	.44	.44	.44	.44
23.3250	.44	.44	.43	.43	.43
23.3875	.43	.43	.43	.43	.43
23.4500	.43	.43	.43	.43	.43
23.5125	.43	.43	.43	.43	.42
23.5750	.42	.42	.42	.42	.42
23.6375	.42	.42	.42	.42	.42
23.7000	.42	.42	.42	.42	.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.7625	.41	.41	.41	.41	.41
23.8250	.41	.41	.41	.41	.41
23.8875	.41	.41	.41	.41	.40
23.9500	.40	.40	.40	.40	.40
24.0125	.40	.39	.39	.38	.37
24.0750	.35	.33	.31	.28	.26
24.1375	.23	.21	.19	.16	.14
24.2000	.12	.11	.09	.08	.07
24.2625	.06	.05	.05	.04	.03
24.3250	.03	.03	.02	.02	.02
24.3875	.01	.01	.01	.01	.01
24.4500	.01	.01	.01	.00	.00
24.5125	.00	.00	.00	.00	.00
24.5750	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUTFALL DD

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH DD          D.A. DD          work_pad.hyg  D.A. DD       100
=====

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INFLOWS TO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. DD       100          120549      12.1625     29.37

```

TOTAL FLOW INTO: OUTFALL DD

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  OUTFALL DD    100          120549      12.1625     29.37

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = OUTFALL DD

HYG Tag = 100

Peak Discharge = 29.37 cfs
Time to Peak = 12.1625 hrs
HYG Volume = 120549 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
hrs | Time on left represents time for first value in each row.

Time hrs					
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.01	.01	.01
7.5875	.01	.01	.01	.01	.01
7.6500	.01	.02	.02	.02	.02
7.7125	.02	.02	.03	.03	.03
7.7750	.03	.03	.03	.04	.04
7.8375	.04	.04	.04	.04	.05
7.9000	.05	.05	.05	.05	.06
7.9625	.06	.06	.06	.06	.06
8.0250	.07	.07	.07	.07	.07
8.0875	.08	.08	.08	.08	.08
8.1500	.09	.09	.09	.09	.10
8.2125	.10	.10	.10	.10	.11
8.2750	.11	.11	.11	.12	.12
8.3375	.12	.13	.13	.13	.13
8.4000	.14	.14	.14	.14	.15
8.4625	.15	.15	.16	.16	.16
8.5250	.17	.17	.17	.17	.18
8.5875	.18	.18	.19	.19	.19
8.6500	.20	.20	.20	.21	.21
8.7125	.21	.22	.22	.22	.23
8.7750	.23	.24	.24	.24	.25
8.8375	.25	.25	.26	.26	.27
8.9000	.27	.27	.28	.28	.28
8.9625	.29	.29	.30	.30	.31
9.0250	.31	.31	.32	.32	.33
9.0875	.33	.33	.34	.34	.35
9.1500	.35	.36	.36	.37	.37
9.2125	.37	.38	.38	.39	.39
9.2750	.40	.40	.41	.41	.42
9.3375	.42	.43	.43	.44	.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4000	.45	.45	.46	.46	.47
9.4625	.47	.48	.48	.49	.49
9.5250	.50	.50	.51	.51	.52
9.5875	.52	.53	.54	.54	.55
9.6500	.55	.56	.56	.57	.57
9.7125	.58	.59	.59	.60	.60
9.7750	.61	.61	.62	.63	.63
9.8375	.64	.64	.65	.66	.66
9.9000	.67	.67	.68	.69	.69
9.9625	.70	.70	.71	.72	.72
10.0250	.73	.74	.74	.75	.76
10.0875	.76	.77	.78	.78	.79
10.1500	.80	.81	.82	.82	.83
10.2125	.84	.85	.86	.87	.88
10.2750	.89	.90	.91	.91	.92
10.3375	.93	.94	.95	.96	.97
10.4000	.98	.99	1.01	1.02	1.03
10.4625	1.04	1.05	1.06	1.07	1.08
10.5250	1.09	1.10	1.11	1.12	1.13
10.5875	1.15	1.16	1.17	1.18	1.19
10.6500	1.20	1.21	1.23	1.24	1.25
10.7125	1.26	1.27	1.29	1.30	1.31
10.7750	1.32	1.33	1.35	1.36	1.37
10.8375	1.38	1.40	1.41	1.42	1.43
10.9000	1.45	1.46	1.47	1.49	1.50
10.9625	1.51	1.53	1.54	1.55	1.57
11.0250	1.58	1.59	1.61	1.63	1.64
11.0875	1.66	1.68	1.70	1.72	1.74
11.1500	1.76	1.79	1.81	1.84	1.87
11.2125	1.90	1.93	1.96	1.99	2.03
11.2750	2.06	2.09	2.13	2.17	2.20
11.3375	2.24	2.28	2.31	2.35	2.39
11.4000	2.43	2.47	2.51	2.55	2.59
11.4625	2.63	2.68	2.72	2.76	2.81
11.5250	2.86	2.92	2.99	3.06	3.16
11.5875	3.26	3.38	3.50	3.64	3.80
11.6500	3.96	4.17	4.38	4.61	4.86
11.7125	5.12	5.40	5.68	5.99	6.30
11.7750	6.64	6.99	7.34	7.71	8.08
11.8375	8.47	8.85	9.26	9.67	10.11
11.9000	10.58	11.06	11.65	12.23	13.01
11.9625	13.82	14.79	15.90	17.04	18.32
12.0250	19.60	20.90	22.19	23.43	24.63
12.0875	25.77	26.75	27.72	28.34	28.94
12.1500	29.25	29.37	29.34	28.97	28.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.2125	27.91	27.21	26.41	25.56	24.69
12.2750	23.80	22.90	22.08	21.25	20.51
12.3375	19.81	19.13	18.51	17.88	17.29
12.4000	16.70	16.14	15.59	15.05	14.53
12.4625	14.01	13.48	12.96	12.44	11.93
12.5250	11.44	10.97	10.50	10.06	9.61
12.5875	9.20	8.79	8.41	8.06	7.72
12.6500	7.42	7.13	6.88	6.64	6.42
12.7125	6.23	6.04	5.89	5.74	5.61
12.7750	5.49	5.38	5.27	5.18	5.09
12.8375	5.00	4.93	4.85	4.78	4.71
12.9000	4.64	4.58	4.51	4.45	4.39
12.9625	4.33	4.27	4.22	4.16	4.10
13.0250	4.05	4.00	3.95	3.90	3.85
13.0875	3.80	3.76	3.72	3.68	3.64
13.1500	3.60	3.57	3.54	3.51	3.48
13.2125	3.46	3.43	3.41	3.39	3.37
13.2750	3.35	3.33	3.31	3.30	3.28
13.3375	3.26	3.25	3.23	3.22	3.20
13.4000	3.19	3.17	3.16	3.15	3.13
13.4625	3.12	3.10	3.09	3.08	3.06
13.5250	3.05	3.04	3.02	3.01	3.00
13.5875	2.98	2.97	2.96	2.94	2.93
13.6500	2.92	2.90	2.89	2.88	2.86
13.7125	2.85	2.83	2.82	2.81	2.79
13.7750	2.78	2.77	2.75	2.74	2.73
13.8375	2.71	2.70	2.69	2.67	2.66
13.9000	2.64	2.63	2.62	2.60	2.59
13.9625	2.58	2.56	2.55	2.54	2.52
14.0250	2.51	2.50	2.48	2.47	2.46
14.0875	2.44	2.43	2.42	2.41	2.40
14.1500	2.39	2.38	2.37	2.36	2.35
14.2125	2.34	2.33	2.32	2.32	2.31
14.2750	2.30	2.29	2.29	2.28	2.27
14.3375	2.26	2.26	2.25	2.24	2.24
14.4000	2.23	2.22	2.22	2.21	2.20
14.4625	2.20	2.19	2.18	2.18	2.17
14.5250	2.16	2.16	2.15	2.14	2.14
14.5875	2.13	2.12	2.12	2.11	2.10
14.6500	2.10	2.09	2.08	2.08	2.07
14.7125	2.06	2.06	2.05	2.04	2.04
14.7750	2.03	2.02	2.02	2.01	2.00
14.8375	2.00	1.99	1.99	1.98	1.97
14.9000	1.96	1.96	1.95	1.94	1.94
14.9625	1.93	1.92	1.92	1.91	1.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0250	1.90	1.89	1.88	1.88	1.87
15.0875	1.86	1.86	1.85	1.84	1.84
15.1500	1.83	1.82	1.82	1.81	1.80
15.2125	1.80	1.79	1.78	1.78	1.77
15.2750	1.76	1.76	1.75	1.74	1.74
15.3375	1.73	1.72	1.72	1.71	1.70
15.4000	1.70	1.69	1.68	1.68	1.67
15.4625	1.66	1.66	1.65	1.64	1.64
15.5250	1.63	1.62	1.61	1.61	1.60
15.5875	1.59	1.59	1.58	1.57	1.57
15.6500	1.56	1.55	1.55	1.54	1.53
15.7125	1.53	1.52	1.51	1.51	1.50
15.7750	1.49	1.48	1.48	1.47	1.46
15.8375	1.46	1.45	1.44	1.44	1.43
15.9000	1.42	1.42	1.41	1.40	1.40
15.9625	1.39	1.38	1.37	1.37	1.36
16.0250	1.35	1.35	1.34	1.34	1.33
16.0875	1.32	1.32	1.31	1.31	1.30
16.1500	1.30	1.29	1.29	1.28	1.28
16.2125	1.27	1.27	1.26	1.26	1.26
16.2750	1.25	1.25	1.25	1.24	1.24
16.3375	1.24	1.23	1.23	1.23	1.22
16.4000	1.22	1.22	1.21	1.21	1.21
16.4625	1.20	1.20	1.20	1.20	1.19
16.5250	1.19	1.19	1.18	1.18	1.18
16.5875	1.17	1.17	1.17	1.17	1.16
16.6500	1.16	1.16	1.15	1.15	1.15
16.7125	1.14	1.14	1.14	1.14	1.13
16.7750	1.13	1.13	1.12	1.12	1.12
16.8375	1.11	1.11	1.11	1.11	1.10
16.9000	1.10	1.10	1.09	1.09	1.09
16.9625	1.09	1.08	1.08	1.08	1.07
17.0250	1.07	1.07	1.06	1.06	1.06
17.0875	1.05	1.05	1.05	1.05	1.04
17.1500	1.04	1.04	1.03	1.03	1.03
17.2125	1.02	1.02	1.02	1.02	1.01
17.2750	1.01	1.01	1.00	1.00	1.00
17.3375	.99	.99	.99	.99	.98
17.4000	.98	.98	.97	.97	.97
17.4625	.96	.96	.96	.95	.95
17.5250	.95	.95	.94	.94	.94
17.5875	.93	.93	.93	.92	.92
17.6500	.92	.92	.91	.91	.91
17.7125	.90	.90	.90	.89	.89
17.7750	.89	.89	.88	.88	.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.8375	.87	.87	.87	.86	.86
17.9000	.86	.85	.85	.85	.85
17.9625	.84	.84	.84	.83	.83
18.0250	.83	.82	.82	.82	.82
18.0875	.81	.81	.81	.81	.80
18.1500	.80	.80	.80	.80	.79
18.2125	.79	.79	.79	.79	.79
18.2750	.79	.79	.78	.78	.78
18.3375	.78	.78	.78	.78	.78
18.4000	.78	.77	.77	.77	.77
18.4625	.77	.77	.77	.77	.77
18.5250	.77	.77	.76	.76	.76
18.5875	.76	.76	.76	.76	.76
18.6500	.76	.76	.76	.76	.75
18.7125	.75	.75	.75	.75	.75
18.7750	.75	.75	.75	.75	.75
18.8375	.74	.74	.74	.74	.74
18.9000	.74	.74	.74	.74	.74
18.9625	.74	.73	.73	.73	.73
19.0250	.73	.73	.73	.73	.73
19.0875	.73	.73	.72	.72	.72
19.1500	.72	.72	.72	.72	.72
19.2125	.72	.72	.72	.71	.71
19.2750	.71	.71	.71	.71	.71
19.3375	.71	.71	.71	.71	.70
19.4000	.70	.70	.70	.70	.70
19.4625	.70	.70	.70	.70	.70
19.5250	.69	.69	.69	.69	.69
19.5875	.69	.69	.69	.69	.69
19.6500	.69	.68	.68	.68	.68
19.7125	.68	.68	.68	.68	.68
19.7750	.68	.68	.67	.67	.67
19.8375	.67	.67	.67	.67	.67
19.9000	.67	.67	.67	.66	.66
19.9625	.66	.66	.66	.66	.66
20.0250	.66	.66	.66	.66	.65
20.0875	.65	.65	.65	.65	.65
20.1500	.65	.65	.65	.65	.65
20.2125	.65	.65	.65	.64	.64
20.2750	.64	.64	.64	.64	.64
20.3375	.64	.64	.64	.64	.64
20.4000	.64	.63	.63	.63	.63
20.4625	.63	.63	.63	.63	.63
20.5250	.63	.63	.63	.63	.63
20.5875	.63	.62	.62	.62	.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.6500	.62	.62	.62	.62	.62
20.7125	.62	.62	.62	.62	.61
20.7750	.61	.61	.61	.61	.61
20.8375	.61	.61	.61	.61	.61
20.9000	.61	.61	.61	.61	.61
20.9625	.60	.60	.60	.60	.60
21.0250	.60	.60	.60	.60	.60
21.0875	.60	.60	.60	.60	.60
21.1500	.60	.59	.59	.59	.59
21.2125	.59	.59	.59	.59	.59
21.2750	.59	.59	.59	.59	.58
21.3375	.58	.58	.58	.58	.58
21.4000	.58	.58	.58	.58	.58
21.4625	.58	.58	.58	.58	.57
21.5250	.57	.57	.57	.57	.57
21.5875	.57	.57	.57	.57	.57
21.6500	.57	.57	.57	.56	.56
21.7125	.56	.56	.56	.56	.56
21.7750	.56	.56	.56	.56	.56
21.8375	.56	.56	.56	.56	.56
21.9000	.55	.55	.55	.55	.55
21.9625	.55	.55	.55	.55	.55
22.0250	.55	.55	.55	.54	.54
22.0875	.54	.54	.54	.54	.54
22.1500	.54	.54	.54	.54	.54
22.2125	.54	.54	.54	.53	.53
22.2750	.53	.53	.53	.53	.53
22.3375	.53	.53	.53	.53	.53
22.4000	.52	.52	.52	.52	.52
22.4625	.52	.52	.52	.52	.52
22.5250	.52	.52	.52	.52	.52
22.5875	.52	.51	.51	.51	.51
22.6500	.51	.51	.51	.51	.51
22.7125	.51	.51	.51	.51	.51
22.7750	.51	.50	.50	.50	.50
22.8375	.50	.50	.50	.50	.50
22.9000	.50	.50	.50	.50	.50
22.9625	.49	.49	.49	.49	.49
23.0250	.49	.49	.49	.49	.49
23.0875	.49	.49	.49	.49	.48
23.1500	.48	.48	.48	.48	.48
23.2125	.48	.48	.48	.48	.48
23.2750	.48	.48	.48	.48	.47
23.3375	.47	.47	.47	.47	.47
23.4000	.47	.47	.47	.47	.47

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4625	.47	.47	.47	.47	.47
23.5250	.46	.46	.46	.46	.46
23.5875	.46	.46	.46	.46	.46
23.6500	.46	.46	.46	.45	.45
23.7125	.45	.45	.45	.45	.45
23.7750	.45	.45	.45	.45	.45
23.8375	.45	.45	.44	.44	.44
23.9000	.44	.44	.44	.44	.44
23.9625	.44	.44	.44	.44	.43
24.0250	.43	.42	.41	.40	.38
24.0875	.36	.34	.31	.28	.25
24.1500	.23	.20	.18	.15	.13
24.2125	.12	.10	.09	.08	.07
24.2750	.06	.05	.04	.04	.03
24.3375	.03	.02	.02	.02	.02
24.4000	.01	.01	.01	.01	.01
24.4625	.01	.01	.00	.00	.00
24.5250	.00	.00	.00	.00	.00
24.5875	.00	.00			

MASTER DESIGN STORM SUMMARY

Network Storm Collection: Newburgh, Orange

Return Event	Total Depth in	Rainfall Type	RNF ID
2	3.5000	Synthetic Curve	TypeIII 24hr
10	5.5000	Synthetic Curve	TypeIII 24hr
25	6.5000	Synthetic Curve	TypeIII 24hr
50	7.0000	Synthetic Curve	TypeIII 24hr
100	7.5000	Synthetic Curve	TypeIII 24hr

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
D.A. AA-1	AREA	2	148510		12.1750	35.02		
D.A. AA-1	AREA	10	316276		12.1750	75.93		
D.A. AA-1	AREA	25	406887		12.1625	97.54		
D.A. AA-1	AREA	50	453248		12.1625	108.49		
D.A. AA-1	AREA	100	500169		12.1625	119.50		
D.A. AA-2	AREA	2	488130		12.2000	108.62		
D.A. AA-2	AREA	10	847615		12.1750	183.42		
D.A. AA-2	AREA	25	1029602		12.1750	220.48		
D.A. AA-2	AREA	50	1120901		12.1750	238.93		
D.A. AA-2	AREA	100	1212357		12.1750	257.33		
D.A. BB	AREA	2	365		12.1000	.10		
D.A. BB	AREA	10	876		12.1000	.25		
D.A. BB	AREA	25	1163		12.1000	.33		
D.A. BB	AREA	50	1313		12.1000	.38		
D.A. BB	AREA	100	1465		12.1000	.42		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
D.A. CC-1	AREA	2	31258		12.7000	3.73		
D.A. CC-1	AREA	10	70986		12.6875	8.92		
D.A. CC-1	AREA	25	92954		12.6875	11.75		
D.A. CC-1	AREA	50	104280		12.6875	13.19		
D.A. CC-1	AREA	100	115789		12.6875	14.65		
D.A. CC-2	AREA	2	7651		12.1375	1.98		
D.A. CC-2	AREA	10	17088		12.1375	4.54		
D.A. CC-2	AREA	25	22275		12.1250	5.91		
D.A. CC-2	AREA	50	24943		12.1250	6.61		
D.A. CC-2	AREA	100	27652		12.1250	7.31		
D.A. CC-3	AREA	2	109106		12.1375	26.55		
D.A. CC-3	AREA	10	184760		12.1375	43.61		
D.A. CC-3	AREA	25	222865		12.1375	52.06		
D.A. CC-3	AREA	50	241954		12.1375	56.26		
D.A. CC-3	AREA	100	261063		12.1375	60.46		
D.A. CC-4	AREA	2	262480		12.1750	58.15		
D.A. CC-4	AREA	10	444482		12.1750	95.68		
D.A. CC-4	AREA	25	536153		12.1750	114.25		
D.A. CC-4	AREA	50	582078		12.1750	123.51		
D.A. CC-4	AREA	100	628046		12.1750	132.74		
D.A. DD	AREA	2	32543		12.1750	7.61		
D.A. DD	AREA	10	73905		12.1750	17.99		
D.A. DD	AREA	25	96776		12.1750	23.59		
D.A. DD	AREA	50	108567		12.1625	26.46		
D.A. DD	AREA	100	120549		12.1625	29.37		
DB AA	IN POND	2	297712		12.3125	89.72		
DB AA	IN POND	10	657197		12.2125	181.84		
DB AA	IN POND	25	839185		12.2125	218.67		
DB AA	IN POND	50	930484		12.2000	237.06		
DB AA	IN POND	100	1021935		12.2000	255.36		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
DB AA	OUT	POND	2		12.9750	17.24	325.18	93473
DB AA	OUT	POND	10		12.8625	33.37	328.10	287357
DB AA	OUT	POND	25		12.6375	73.50	328.97	349134
DB AA	OUT	POND	50		12.5875	94.90	329.30	372208
DB AA	OUT	POND	100		12.5375	116.19	329.58	392894
DB CC-4	IN	POND	2		12.1875	57.91		
DB CC-4	IN	POND	10		12.1875	95.42		
DB CC-4	IN	POND	25		12.1875	113.93		
DB CC-4	IN	POND	50		12.1875	123.20		
DB CC-4	IN	POND	100		12.1875	132.41		
DB CC-4	OUT	POND	2		12.5375	25.18	246.14	39997
DB CC-4	OUT	POND	10		12.2750	84.56	247.26	60383
DB CC-4	OUT	POND	25		12.2625	104.87	247.53	65554
DB CC-4	OUT	POND	50		12.2500	114.27	247.65	67835
DB CC-4	OUT	POND	100		12.2500	123.54	247.76	70026
*OUTFALL AA	JCT		2		12.1750	35.02		
*OUTFALL AA	JCT		10		12.2000	95.84		
*OUTFALL AA	JCT		25		12.1875	122.71		
*OUTFALL AA	JCT		50		12.4750	138.92		
*OUTFALL AA	JCT		100		12.4375	170.29		
*OUTFALL BB	JCT		2		12.1000	.10		
*OUTFALL BB	JCT		10		12.1000	.25		
*OUTFALL BB	JCT		25		12.1000	.33		
*OUTFALL BB	JCT		50		12.1000	.38		
*OUTFALL BB	JCT		100		12.1000	.42		
*OUTFALL CC	JCT		2		12.2375	40.72		
*OUTFALL CC	JCT		10		12.2375	125.46		
*OUTFALL CC	JCT		25		12.2125	157.63		
*OUTFALL CC	JCT		50		12.2125	172.60		
*OUTFALL CC	JCT		100		12.2125	187.07		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
*OUTFALL DD	JCT	2	32543		12.1750	7.61		
*OUTFALL DD	JCT	10	73905		12.1750	17.99		
*OUTFALL DD	JCT	25	96776		12.1750	23.59		
*OUTFALL DD	JCT	50	108567		12.1625	26.46		
*OUTFALL DD	JCT	100	120549		12.1625	29.37		
WQBASIN AA	IN POND	2	488130		12.2000	108.62		
WQBASIN AA	IN POND	10	847615		12.1750	183.42		
WQBASIN AA	IN POND	25	1029602		12.1750	220.48		
WQBASIN AA	IN POND	50	1120901		12.1750	238.93		
WQBASIN AA	IN POND	100	1212357		12.1750	257.33		
WQBASIN AA	OUT POND	2	297712		12.3125	89.72	339.49	203979
WQBASIN AA	OUT POND	10	657197		12.2125	181.84	339.78	212328
WQBASIN AA	OUT POND	25	839185		12.2125	218.67	339.88	215271
WQBASIN AA	OUT POND	50	930484		12.2000	237.06	339.93	216678
WQBASIN AA	OUT POND	100	1021935		12.2000	255.36	339.98	218054
WQBASIN CC-3	IN POND	2	109106		12.1375	26.55		
WQBASIN CC-3	IN POND	10	184760		12.1375	43.61		
WQBASIN CC-3	IN POND	25	222865		12.1375	52.06		
WQBASIN CC-3	IN POND	50	241954		12.1375	56.26		
WQBASIN CC-3	IN POND	100	261063		12.1375	60.46		
WQBASIN CC-3	OUT POND	2	66606		12.1750	25.70	5.18	44030
WQBASIN CC-3	OUT POND	10	142259		12.1375	43.49	5.26	44681
WQBASIN CC-3	OUT POND	25	180364		12.1375	51.92	5.29	44971
WQBASIN CC-3	OUT POND	50	199454		12.1375	56.18	5.31	45107
WQBASIN CC-3	OUT POND	100	218562		12.1375	60.37	5.32	45229
WQBASIN CC-4	IN POND	2	262480		12.1750	58.15		
WQBASIN CC-4	IN POND	10	444482		12.1750	95.68		
WQBASIN CC-4	IN POND	25	536153		12.1750	114.25		
WQBASIN CC-4	IN POND	50	582078		12.1750	123.51		
WQBASIN CC-4	IN POND	100	628046		12.1750	132.74		

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

(*Node=Outfall; +Node=Diversion;)
(Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Return Type Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage cu.ft
WQBASIN CC-4 OUT POND	2	174573		12.1875	57.91	259.31	91646
WQBASIN CC-4 OUT POND	10	356575		12.1875	95.42	259.44	93135
WQBASIN CC-4 OUT POND	25	448246		12.1875	113.93	259.49	93811
WQBASIN CC-4 OUT POND	50	494170		12.1875	123.20	259.52	94127
WQBASIN CC-4 OUT POND	100	540138		12.1875	132.41	259.54	94432

Type... Outlet Input Data
Name... WQB AA Outlet

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 330.00 ft
Increment = .10 ft
Max. Elev.= 340.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.	Outfall	E1, ft	E2, ft
----- Weir-Rectangular TW SETUP, DS Channel	W1	---> TW	339.000	340.000

Type.... Outlet Input Data
Name.... WQB AA Outlet

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

OUTLET STRUCTURE INPUT DATA

Structure ID = W1
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 339.00 ft
Weir Length = 80.00 ft
Weir Coeff. = 3.300000

Weir TW effects (Use adjustment equation)

Structure ID = TW
Structure Type = TW SETUP, DS Channel

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...
Maximum Iterations= 30
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .10 cfs
Max. Q tolerance = .10 cfs

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB AA OUTLET

HYG Tag = 2

 Peak Discharge = 89.72 cfs
 Time to Peak = 12.3125 hrs
 HYG Volume = 297712 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

12.2000	.00	2.00	20.47	43.00	62.01
12.2625	75.11	83.27	87.66	89.52	89.72
12.3250	88.85	87.27	85.23	82.95	80.57
12.3875	78.13	75.70	73.30	70.94	68.63
12.4500	66.40	64.37	62.33	60.27	58.23
12.5125	56.20	54.20	52.21	50.27	48.35
12.5750	46.48	44.66	42.94	41.42	39.90
12.6375	38.38	36.89	35.45	34.06	32.73
12.7000	31.47	30.27	29.15	28.09	27.10
12.7625	26.18	25.32	24.52	23.78	23.20
12.8250	22.66	22.14	21.63	21.15	20.68
12.8875	20.24	19.81	19.41	19.03	18.66
12.9500	18.31	17.98	17.66	17.35	17.06
13.0125	16.78	16.51	16.25	16.00	15.76
13.0750	15.52	15.29	15.07	14.86	14.66
13.1375	14.46	14.27	14.09	13.91	13.74
13.2000	13.59	13.43	13.29	13.15	13.02
13.2625	12.90	12.78	12.67	12.57	12.47
13.3250	12.38	12.29	12.20	12.12	12.04
13.3875	11.97	11.89	11.83	11.76	11.69
13.4500	11.63	11.57	11.51	11.45	11.39
13.5125	11.33	11.28	11.22	11.17	11.11
13.5750	11.06	11.01	10.95	10.90	10.85
13.6375	10.80	10.75	10.69	10.64	10.59
13.7000	10.54	10.49	10.44	10.39	10.34
13.7625	10.29	10.24	10.19	10.14	10.09
13.8250	10.04	9.99	9.94	9.89	9.84
13.8875	9.79	9.74	9.69	9.64	9.59
13.9500	9.54	9.49	9.44	9.39	9.34
14.0125	9.29	9.24	9.19	9.15	9.10
14.0750	9.05	9.00	8.95	8.90	8.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.1375	8.81	8.77	8.72	8.68	8.63
14.2000	8.59	8.55	8.51	8.48	8.44
14.2625	8.40	8.37	8.34	8.32	8.30
14.3250	8.28	8.25	8.23	8.21	8.18
14.3875	8.16	8.13	8.11	8.08	8.06
14.4500	8.03	8.01	7.98	7.96	7.93
14.5125	7.91	7.88	7.86	7.83	7.81
14.5750	7.78	7.76	7.74	7.71	7.69
14.6375	7.66	7.64	7.61	7.59	7.56
14.7000	7.54	7.52	7.49	7.47	7.44
14.7625	7.42	7.39	7.37	7.35	7.32
14.8250	7.30	7.27	7.25	7.23	7.20
14.8875	7.18	7.15	7.13	7.11	7.08
14.9500	7.06	7.03	7.01	6.99	6.96
15.0125	6.94	6.91	6.89	6.87	6.84
15.0750	6.82	6.79	6.77	6.75	6.72
15.1375	6.70	6.67	6.65	6.63	6.60
15.2000	6.58	6.55	6.53	6.51	6.48
15.2625	6.46	6.43	6.41	6.39	6.36
15.3250	6.34	6.31	6.29	6.27	6.24
15.3875	6.22	6.19	6.17	6.14	6.12
15.4500	6.10	6.07	6.05	6.02	6.00
15.5125	5.98	5.95	5.93	5.90	5.88
15.5750	5.85	5.83	5.81	5.78	5.76
15.6375	5.73	5.71	5.68	5.66	5.64
15.7000	5.61	5.59	5.56	5.54	5.52
15.7625	5.49	5.47	5.44	5.42	5.39
15.8250	5.37	5.35	5.32	5.30	5.27
15.8875	5.25	5.22	5.20	5.18	5.15
15.9500	5.13	5.10	5.08	5.05	5.03
16.0125	5.01	4.98	4.96	4.93	4.91
16.0750	4.89	4.86	4.84	4.82	4.79
16.1375	4.77	4.75	4.73	4.70	4.68
16.2000	4.66	4.64	4.62	4.60	4.58
16.2625	4.56	4.55	4.53	4.51	4.49
16.3250	4.48	4.46	4.45	4.43	4.42
16.3875	4.40	4.39	4.38	4.36	4.35
16.4500	4.34	4.32	4.31	4.30	4.29
16.5125	4.27	4.26	4.25	4.24	4.23
16.5750	4.22	4.20	4.19	4.18	4.17
16.6375	4.16	4.15	4.14	4.13	4.12
16.7000	4.10	4.09	4.08	4.07	4.06
16.7625	4.05	4.04	4.03	4.02	4.01
16.8250	4.00	3.99	3.98	3.97	3.96
16.8875	3.94	3.93	3.92	3.91	3.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.9500	3.89	3.88	3.87	3.86	3.85
17.0125	3.84	3.83	3.82	3.81	3.80
17.0750	3.79	3.77	3.76	3.75	3.74
17.1375	3.73	3.72	3.71	3.70	3.69
17.2000	3.68	3.67	3.66	3.65	3.64
17.2625	3.63	3.62	3.61	3.60	3.58
17.3250	3.57	3.56	3.55	3.54	3.53
17.3875	3.52	3.51	3.50	3.49	3.48
17.4500	3.47	3.46	3.45	3.44	3.43
17.5125	3.41	3.40	3.39	3.38	3.37
17.5750	3.36	3.35	3.34	3.33	3.32
17.6375	3.31	3.30	3.29	3.28	3.27
17.7000	3.26	3.24	3.23	3.22	3.21
17.7625	3.20	3.19	3.18	3.17	3.16
17.8250	3.15	3.14	3.13	3.12	3.11
17.8875	3.10	3.09	3.07	3.06	3.05
17.9500	3.04	3.03	3.02	3.01	3.00
18.0125	2.99	2.98	2.97	2.96	2.95
18.0750	2.94	2.93	2.92	2.91	2.90
18.1375	2.89	2.88	2.87	2.86	2.85
18.2000	2.84	2.83	2.82	2.81	2.81
18.2625	2.80	2.79	2.78	2.78	2.77
18.3250	2.77	2.76	2.75	2.75	2.74
18.3875	2.74	2.73	2.73	2.72	2.72
18.4500	2.71	2.71	2.71	2.70	2.70
18.5125	2.69	2.69	2.69	2.68	2.68
18.5750	2.68	2.67	2.67	2.67	2.66
18.6375	2.66	2.65	2.65	2.65	2.64
18.7000	2.64	2.64	2.63	2.63	2.63
18.7625	2.62	2.62	2.62	2.62	2.61
18.8250	2.61	2.61	2.60	2.60	2.60
18.8875	2.59	2.59	2.59	2.58	2.58
18.9500	2.58	2.57	2.57	2.57	2.56
19.0125	2.56	2.56	2.55	2.55	2.55
19.0750	2.54	2.54	2.54	2.54	2.53
19.1375	2.53	2.53	2.52	2.52	2.52
19.2000	2.51	2.51	2.51	2.50	2.50
19.2625	2.50	2.49	2.49	2.49	2.48
19.3250	2.48	2.48	2.48	2.47	2.47
19.3875	2.47	2.46	2.46	2.46	2.45
19.4500	2.45	2.45	2.44	2.44	2.44
19.5125	2.43	2.43	2.43	2.42	2.42
19.5750	2.42	2.41	2.41	2.41	2.41
19.6375	2.40	2.40	2.40	2.39	2.39
19.7000	2.39	2.38	2.38	2.38	2.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.7625	2.37	2.37	2.36	2.36	2.36
19.8250	2.35	2.35	2.35	2.34	2.34
19.8875	2.34	2.34	2.33	2.33	2.33
19.9500	2.32	2.32	2.32	2.31	2.31
20.0125	2.31	2.30	2.30	2.30	2.29
20.0750	2.29	2.29	2.28	2.28	2.28
20.1375	2.27	2.27	2.27	2.27	2.26
20.2000	2.26	2.26	2.25	2.25	2.25
20.2625	2.25	2.24	2.24	2.24	2.24
20.3250	2.23	2.23	2.23	2.23	2.22
20.3875	2.22	2.22	2.21	2.21	2.21
20.4500	2.21	2.20	2.20	2.20	2.20
20.5125	2.19	2.19	2.19	2.19	2.18
20.5750	2.18	2.18	2.18	2.17	2.17
20.6375	2.17	2.17	2.16	2.16	2.16
20.7000	2.16	2.15	2.15	2.15	2.15
20.7625	2.14	2.14	2.14	2.14	2.13
20.8250	2.13	2.13	2.13	2.12	2.12
20.8875	2.12	2.12	2.11	2.11	2.11
20.9500	2.11	2.11	2.10	2.10	2.10
21.0125	2.10	2.09	2.09	2.09	2.09
21.0750	2.08	2.08	2.08	2.08	2.08
21.1375	2.07	2.07	2.07	2.07	2.06
21.2000	2.06	2.06	2.06	2.06	2.05
21.2625	2.05	2.05	2.04	2.04	2.04
21.3250	2.04	2.04	2.03	2.03	2.03
21.3875	2.03	2.02	2.02	2.02	2.02
21.4500	2.01	2.01	2.01	2.01	2.00
21.5125	2.00	2.00	2.00	1.99	1.99
21.5750	1.99	1.99	1.98	1.98	1.98
21.6375	1.98	1.97	1.97	1.97	1.97
21.7000	1.96	1.96	1.96	1.96	1.95
21.7625	1.95	1.95	1.95	1.95	1.94
21.8250	1.94	1.94	1.94	1.93	1.93
21.8875	1.93	1.93	1.93	1.92	1.92
21.9500	1.92	1.92	1.91	1.91	1.91
22.0125	1.91	1.90	1.90	1.90	1.90
22.0750	1.89	1.89	1.89	1.89	1.88
22.1375	1.88	1.88	1.88	1.87	1.87
22.2000	1.87	1.87	1.87	1.86	1.86
22.2625	1.86	1.86	1.85	1.85	1.85
22.3250	1.85	1.84	1.84	1.84	1.83
22.3875	1.83	1.83	1.83	1.82	1.82
22.4500	1.82	1.82	1.81	1.81	1.81
22.5125	1.81	1.81	1.80	1.80	1.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.5750	1.80	1.79	1.79	1.79	1.79
22.6375	1.78	1.78	1.78	1.78	1.78
22.7000	1.77	1.77	1.77	1.77	1.77
22.7625	1.76	1.76	1.76	1.76	1.75
22.8250	1.75	1.75	1.75	1.74	1.74
22.8875	1.74	1.74	1.73	1.73	1.73
22.9500	1.73	1.72	1.72	1.72	1.72
23.0125	1.71	1.71	1.71	1.71	1.70
23.0750	1.70	1.70	1.70	1.69	1.69
23.1375	1.69	1.69	1.68	1.68	1.68
23.2000	1.68	1.67	1.67	1.67	1.67
23.2625	1.66	1.66	1.66	1.66	1.65
23.3250	1.65	1.65	1.65	1.64	1.64
23.3875	1.64	1.64	1.64	1.63	1.63
23.4500	1.63	1.63	1.62	1.62	1.62
23.5125	1.62	1.62	1.61	1.61	1.61
23.5750	1.61	1.60	1.60	1.60	1.60
23.6375	1.59	1.59	1.59	1.59	1.58
23.7000	1.58	1.58	1.58	1.57	1.57
23.7625	1.57	1.57	1.56	1.56	1.56
23.8250	1.56	1.55	1.55	1.55	1.55
23.8875	1.55	1.54	1.54	1.54	1.54
23.9500	1.53	1.53	1.53	1.52	1.52
24.0125	1.52	1.51	1.51	1.50	1.49
24.0750	1.48	1.46	1.44	1.42	1.39
24.1375	1.35	1.31	1.27	1.22	1.17
24.2000	1.11	1.06	1.00	.94	.88
24.2625	.82	.77	.71	.66	.61
24.3250	.56	.52	.48	.44	.40
24.3875	.37	.34	.31	.28	.26
24.4500	.23	.21	.19	.17	.16
24.5125	.14	.13	.12	.11	.10
24.5750	.09	.08	.07	.06	.06
24.6375	.05	.05	.04	.04	.03
24.7000	.03	.03	.02	.02	.02
24.7625	.02	.02	.01	.01	.01
24.8250	.01	.01	.01	.01	.01
24.8875	.00	.00	.00	.00	.00

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB AA OUTLET

HYG Tag = 10

Peak Discharge = 181.84 cfs
Time to Peak = 12.2125 hrs
HYG Volume = 657197 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.8125	.00	4.03	12.87	23.46	34.43
11.8750	43.13	51.18	57.63	62.95	67.68
11.9375	72.41	76.77	81.07	85.54	90.16
12.0000	95.27	101.07	107.08	113.34	119.89
12.0625	126.85	133.95	140.90	147.68	154.08
12.1250	160.36	166.08	170.95	175.04	178.32
12.1875	180.45	181.62	181.84	180.95	179.23
12.2500	176.79	173.63	169.98	165.94	161.53
12.3125	156.89	152.26	147.60	142.84	138.13
12.3750	133.54	129.06	124.73	120.68	116.81
12.4375	112.98	109.21	105.49	101.85	98.28
12.5000	94.77	91.48	88.29	85.10	81.93
12.5625	78.79	75.70	72.71	69.77	66.92
12.6250	64.44	61.95	59.52	57.17	54.90
12.6875	52.73	50.69	48.75	46.94	45.24
12.7500	43.65	42.33	41.09	39.90	38.77
12.8125	37.70	36.69	35.75	34.86	34.03
12.8750	33.25	32.51	31.81	31.16	30.54
12.9375	29.96	29.40	28.87	28.37	27.89
13.0000	27.43	26.98	26.56	26.14	25.75
13.0625	25.36	24.99	24.63	24.28	23.94
13.1250	23.62	23.37	23.11	22.86	22.60
13.1875	22.35	22.11	21.88	21.66	21.44
13.2500	21.23	21.04	20.85	20.67	20.50
13.3125	20.34	20.19	20.04	19.90	19.77
13.3750	19.64	19.52	19.40	19.29	19.18
13.4375	19.07	18.96	18.86	18.76	18.66
13.5000	18.57	18.47	18.38	18.29	18.20
13.5625	18.11	18.02	17.94	17.85	17.76
13.6250	17.68	17.59	17.51	17.42	17.34
13.6875	17.25	17.17	17.08	17.00	16.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.7500	16.83	16.75	16.67	16.59	16.50
13.8125	16.42	16.34	16.26	16.18	16.10
13.8750	16.01	15.93	15.85	15.77	15.69
13.9375	15.61	15.52	15.44	15.36	15.28
14.0000	15.20	15.12	15.04	14.96	14.87
14.0625	14.79	14.71	14.63	14.56	14.48
14.1250	14.40	14.33	14.25	14.18	14.11
14.1875	14.04	13.97	13.90	13.84	13.77
14.2500	13.71	13.65	13.60	13.54	13.49
14.3125	13.44	13.38	13.33	13.28	13.24
14.3750	13.19	13.14	13.10	13.05	13.01
14.4375	12.96	12.92	12.88	12.84	12.79
14.5000	12.75	12.71	12.67	12.63	12.59
14.5625	12.55	12.51	12.47	12.43	12.39
14.6250	12.35	12.31	12.26	12.23	12.19
14.6875	12.15	12.11	12.07	12.03	11.99
14.7500	11.95	11.91	11.87	11.83	11.79
14.8125	11.75	11.71	11.67	11.63	11.60
14.8750	11.56	11.52	11.48	11.44	11.40
14.9375	11.36	11.32	11.28	11.24	11.20
15.0000	11.16	11.12	11.09	11.05	11.01
15.0625	10.97	10.93	10.89	10.85	10.81
15.1250	10.77	10.73	10.69	10.65	10.61
15.1875	10.57	10.53	10.49	10.46	10.42
15.2500	10.38	10.34	10.30	10.26	10.22
15.3125	10.18	10.14	10.10	10.06	10.02
15.3750	9.98	9.95	9.91	9.87	9.83
15.4375	9.79	9.75	9.71	9.67	9.63
15.5000	9.59	9.55	9.51	9.47	9.43
15.5625	9.39	9.35	9.31	9.27	9.23
15.6250	9.20	9.16	9.12	9.08	9.04
15.6875	9.00	8.96	8.92	8.88	8.84
15.7500	8.80	8.76	8.72	8.68	8.64
15.8125	8.61	8.57	8.53	8.49	8.45
15.8750	8.41	8.37	8.34	8.31	8.29
15.9375	8.26	8.23	8.20	8.17	8.14
16.0000	8.10	8.07	8.03	8.00	7.96
16.0625	7.93	7.89	7.85	7.82	7.78
16.1250	7.75	7.71	7.67	7.64	7.61
16.1875	7.57	7.54	7.51	7.47	7.44
16.2500	7.41	7.38	7.35	7.33	7.30
16.3125	7.27	7.25	7.22	7.19	7.17
16.3750	7.15	7.12	7.10	7.08	7.06
16.4375	7.04	7.01	6.99	6.97	6.95
16.5000	6.93	6.91	6.89	6.88	6.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.5625	6.84	6.82	6.80	6.78	6.76
16.6250	6.75	6.73	6.71	6.69	6.67
16.6875	6.66	6.64	6.62	6.60	6.59
16.7500	6.57	6.55	6.53	6.52	6.50
16.8125	6.48	6.46	6.45	6.43	6.41
16.8750	6.39	6.38	6.36	6.34	6.33
16.9375	6.31	6.29	6.27	6.26	6.24
17.0000	6.22	6.21	6.19	6.17	6.15
17.0625	6.14	6.12	6.10	6.08	6.07
17.1250	6.05	6.03	6.02	6.00	5.98
17.1875	5.96	5.95	5.93	5.91	5.90
17.2500	5.88	5.86	5.84	5.83	5.81
17.3125	5.79	5.78	5.76	5.74	5.72
17.3750	5.71	5.69	5.67	5.65	5.64
17.4375	5.62	5.60	5.59	5.57	5.55
17.5000	5.53	5.52	5.50	5.48	5.47
17.5625	5.45	5.43	5.41	5.40	5.38
17.6250	5.36	5.35	5.33	5.31	5.29
17.6875	5.28	5.26	5.24	5.22	5.21
17.7500	5.19	5.17	5.16	5.14	5.12
17.8125	5.10	5.09	5.07	5.05	5.04
17.8750	5.02	5.00	4.98	4.97	4.95
17.9375	4.93	4.91	4.90	4.88	4.86
18.0000	4.85	4.83	4.81	4.79	4.78
18.0625	4.76	4.74	4.73	4.71	4.69
18.1250	4.68	4.66	4.64	4.63	4.61
18.1875	4.60	4.58	4.57	4.56	4.54
18.2500	4.53	4.52	4.51	4.50	4.48
18.3125	4.47	4.46	4.46	4.45	4.44
18.3750	4.43	4.42	4.41	4.40	4.40
18.4375	4.39	4.38	4.38	4.37	4.36
18.5000	4.36	4.35	4.34	4.34	4.33
18.5625	4.33	4.32	4.31	4.31	4.30
18.6250	4.30	4.29	4.29	4.28	4.27
18.6875	4.27	4.26	4.26	4.25	4.25
18.7500	4.24	4.24	4.23	4.23	4.22
18.8125	4.22	4.21	4.21	4.20	4.19
18.8750	4.19	4.18	4.18	4.17	4.17
18.9375	4.16	4.16	4.15	4.15	4.14
19.0000	4.14	4.13	4.13	4.12	4.12
19.0625	4.11	4.11	4.10	4.10	4.09
19.1250	4.09	4.08	4.08	4.07	4.07
19.1875	4.06	4.06	4.05	4.04	4.04
19.2500	4.03	4.03	4.02	4.02	4.01
19.3125	4.01	4.00	4.00	3.99	3.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.3750	3.98	3.98	3.97	3.97	3.96
19.4375	3.96	3.95	3.95	3.94	3.94
19.5000	3.93	3.93	3.92	3.92	3.91
19.5625	3.91	3.90	3.90	3.89	3.89
19.6250	3.88	3.87	3.87	3.86	3.86
19.6875	3.85	3.85	3.84	3.84	3.83
19.7500	3.83	3.82	3.82	3.81	3.81
19.8125	3.80	3.80	3.79	3.79	3.78
19.8750	3.78	3.77	3.77	3.76	3.76
19.9375	3.75	3.75	3.74	3.74	3.73
20.0000	3.73	3.72	3.71	3.71	3.70
20.0625	3.70	3.69	3.69	3.68	3.68
20.1250	3.67	3.67	3.66	3.66	3.65
20.1875	3.65	3.64	3.64	3.63	3.63
20.2500	3.63	3.62	3.62	3.61	3.61
20.3125	3.60	3.60	3.60	3.59	3.59
20.3750	3.58	3.58	3.58	3.57	3.57
20.4375	3.56	3.56	3.55	3.55	3.55
20.5000	3.54	3.54	3.53	3.53	3.52
20.5625	3.52	3.52	3.51	3.51	3.50
20.6250	3.50	3.50	3.49	3.49	3.49
20.6875	3.48	3.48	3.47	3.47	3.47
20.7500	3.46	3.46	3.45	3.45	3.44
20.8125	3.44	3.44	3.43	3.43	3.42
20.8750	3.42	3.42	3.41	3.41	3.40
20.9375	3.40	3.40	3.39	3.39	3.39
21.0000	3.38	3.38	3.37	3.37	3.37
21.0625	3.36	3.36	3.36	3.35	3.35
21.1250	3.35	3.34	3.34	3.34	3.33
21.1875	3.33	3.32	3.32	3.32	3.31
21.2500	3.31	3.30	3.30	3.30	3.29
21.3125	3.29	3.28	3.28	3.28	3.27
21.3750	3.27	3.26	3.26	3.26	3.25
21.4375	3.25	3.24	3.24	3.24	3.23
21.5000	3.23	3.23	3.22	3.22	3.21
21.5625	3.21	3.20	3.20	3.20	3.19
21.6250	3.19	3.18	3.18	3.18	3.17
21.6875	3.17	3.16	3.16	3.16	3.15
21.7500	3.15	3.15	3.14	3.14	3.13
21.8125	3.13	3.13	3.12	3.12	3.12
21.8750	3.11	3.11	3.11	3.10	3.10
21.9375	3.09	3.09	3.09	3.08	3.08
22.0000	3.08	3.07	3.07	3.06	3.06
22.0625	3.06	3.05	3.05	3.04	3.04
22.1250	3.04	3.03	3.03	3.02	3.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.1875	3.02	3.01	3.01	3.00	3.00
22.2500	3.00	2.99	2.99	2.98	2.98
22.3125	2.98	2.97	2.97	2.96	2.96
22.3750	2.96	2.95	2.95	2.94	2.94
22.4375	2.94	2.93	2.93	2.92	2.92
22.5000	2.92	2.91	2.91	2.90	2.90
22.5625	2.90	2.89	2.89	2.89	2.88
22.6250	2.88	2.87	2.87	2.87	2.86
22.6875	2.86	2.86	2.85	2.85	2.85
22.7500	2.84	2.84	2.84	2.83	2.83
22.8125	2.82	2.82	2.82	2.81	2.81
22.8750	2.80	2.80	2.80	2.79	2.79
22.9375	2.78	2.78	2.78	2.77	2.77
23.0000	2.76	2.76	2.76	2.75	2.75
23.0625	2.74	2.74	2.74	2.73	2.73
23.1250	2.72	2.72	2.72	2.71	2.71
23.1875	2.70	2.70	2.69	2.69	2.69
23.2500	2.68	2.68	2.67	2.67	2.67
23.3125	2.66	2.66	2.66	2.65	2.65
23.3750	2.64	2.64	2.64	2.63	2.63
23.4375	2.63	2.62	2.62	2.62	2.61
23.5000	2.61	2.61	2.60	2.60	2.59
23.5625	2.59	2.59	2.58	2.58	2.57
23.6250	2.57	2.57	2.56	2.56	2.55
23.6875	2.55	2.55	2.54	2.54	2.53
23.7500	2.53	2.53	2.52	2.52	2.51
23.8125	2.51	2.51	2.50	2.50	2.50
23.8750	2.49	2.49	2.48	2.48	2.48
23.9375	2.47	2.47	2.46	2.46	2.45
24.0000	2.45	2.44	2.44	2.43	2.42
24.0625	2.40	2.38	2.36	2.32	2.28
24.1250	2.23	2.18	2.11	2.04	1.96
24.1875	1.88	1.79	1.70	1.61	1.51
24.2500	1.42	1.33	1.24	1.15	1.06
24.3125	.98	.91	.84	.77	.71
24.3750	.65	.59	.54	.49	.45
24.4375	.41	.37	.34	.31	.28
24.5000	.26	.23	.21	.19	.17
24.5625	.16	.14	.13	.11	.10
24.6250	.09	.08	.07	.07	.06
24.6875	.05	.05	.04	.04	.03
24.7500	.03	.03	.02	.02	.02
24.8125	.02	.01	.01	.01	.01
24.8750	.01	.01	.01	.01	.00
24.9375	.00	.00	.00	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB AA OUTLET

HYG Tag = 25

 Peak Discharge = 218.67 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 839185 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.4500	.00	.63	4.16	7.29	11.31
11.5125	15.31	18.51	21.11	23.25	25.39
11.5750	27.20	28.70	30.00	31.19	32.31
11.6375	33.43	34.58	35.77	37.04	38.42
11.7000	39.88	41.46	43.19	45.28	47.46
11.7625	49.71	52.02	54.43	56.94	59.54
11.8250	62.24	65.04	68.02	71.23	74.40
11.8875	77.58	80.85	84.19	87.70	91.48
11.9500	95.65	100.29	105.35	110.72	116.59
12.0125	123.11	130.46	138.08	146.00	154.10
12.0750	162.63	170.98	179.09	186.71	194.03
12.1375	200.77	206.47	211.23	215.01	217.38
12.2000	218.59	218.67	217.41	215.17	212.07
12.2625	208.12	203.61	198.64	193.25	187.66
12.3250	182.10	176.37	170.54	164.82	159.29
12.3875	153.92	148.96	144.09	139.29	134.60
12.4500	130.02	125.53	121.24	117.18	113.10
12.5125	109.06	105.05	101.10	97.23	93.42
12.5750	89.98	86.56	83.16	79.82	76.59
12.6375	73.44	70.42	67.55	64.98	62.58
12.7000	60.26	58.02	55.91	53.92	52.04
12.7625	50.29	48.67	47.15	45.75	44.44
12.8250	43.25	42.27	41.31	40.39	39.51
12.8875	38.67	37.87	37.11	36.39	35.70
12.9500	35.04	34.42	33.82	33.25	32.70
13.0125	32.17	31.66	31.17	30.69	30.23
13.0750	29.79	29.36	28.94	28.54	28.15
13.1375	27.78	27.42	27.07	26.74	26.43
13.2000	26.13	25.84	25.57	25.32	25.08
13.2625	24.85	24.63	24.42	24.23	24.05
13.3250	23.87	23.71	23.56	23.44	23.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.3875	23.19	23.06	22.94	22.81	22.69
13.4500	22.57	22.46	22.34	22.23	22.12
13.5125	22.01	21.90	21.79	21.68	21.57
13.5750	21.47	21.37	21.26	21.16	21.06
13.6375	20.96	20.85	20.75	20.65	20.55
13.7000	20.45	20.35	20.25	20.15	20.05
13.7625	19.95	19.85	19.76	19.66	19.56
13.8250	19.46	19.36	19.27	19.17	19.07
13.8875	18.97	18.88	18.78	18.68	18.59
13.9500	18.49	18.39	18.29	18.20	18.10
14.0125	18.00	17.91	17.81	17.71	17.62
14.0750	17.52	17.43	17.33	17.24	17.15
14.1375	17.06	16.97	16.88	16.80	16.71
14.2000	16.63	16.55	16.48	16.40	16.33
14.2625	16.26	16.19	16.12	16.06	16.00
14.3250	15.93	15.87	15.82	15.76	15.70
14.3875	15.65	15.59	15.54	15.49	15.43
14.4500	15.38	15.33	15.28	15.23	15.18
14.5125	15.13	15.08	15.03	14.98	14.94
14.5750	14.89	14.84	14.79	14.74	14.69
14.6375	14.65	14.60	14.55	14.50	14.46
14.7000	14.41	14.36	14.32	14.27	14.22
14.7625	14.17	14.13	14.08	14.03	13.99
14.8250	13.94	13.89	13.85	13.80	13.75
14.8875	13.71	13.66	13.61	13.57	13.52
14.9500	13.47	13.43	13.38	13.33	13.29
15.0125	13.24	13.19	13.14	13.10	13.05
15.0750	13.00	12.96	12.91	12.86	12.82
15.1375	12.77	12.72	12.68	12.63	12.58
15.2000	12.53	12.49	12.44	12.39	12.35
15.2625	12.30	12.25	12.21	12.16	12.11
15.3250	12.07	12.02	11.97	11.93	11.88
15.3875	11.83	11.79	11.74	11.69	11.65
15.4500	11.60	11.55	11.50	11.46	11.41
15.5125	11.36	11.32	11.27	11.22	11.17
15.5750	11.13	11.08	11.03	10.99	10.94
15.6375	10.89	10.85	10.80	10.75	10.70
15.7000	10.66	10.61	10.56	10.52	10.47
15.7625	10.42	10.38	10.33	10.28	10.24
15.8250	10.19	10.14	10.10	10.05	10.00
15.8875	9.95	9.91	9.86	9.81	9.77
15.9500	9.72	9.67	9.62	9.58	9.53
16.0125	9.48	9.44	9.39	9.34	9.30
16.0750	9.25	9.21	9.16	9.12	9.07
16.1375	9.03	8.99	8.95	8.91	8.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2000	8.83	8.80	8.76	8.72	8.69
16.2625	8.66	8.62	8.59	8.56	8.53
16.3250	8.50	8.48	8.45	8.42	8.40
16.3875	8.37	8.35	8.33	8.32	8.30
16.4500	8.29	8.27	8.25	8.23	8.21
16.5125	8.19	8.17	8.15	8.13	8.11
16.5750	8.09	8.07	8.05	8.03	8.01
16.6375	7.99	7.97	7.95	7.93	7.91
16.7000	7.89	7.87	7.85	7.83	7.81
16.7625	7.79	7.77	7.75	7.73	7.71
16.8250	7.69	7.67	7.65	7.62	7.60
16.8875	7.58	7.56	7.54	7.52	7.50
16.9500	7.48	7.46	7.44	7.42	7.40
17.0125	7.38	7.36	7.34	7.32	7.30
17.0750	7.28	7.26	7.24	7.21	7.19
17.1375	7.17	7.15	7.13	7.11	7.09
17.2000	7.07	7.05	7.03	7.01	6.99
17.2625	6.97	6.95	6.93	6.91	6.89
17.3250	6.87	6.85	6.83	6.81	6.78
17.3875	6.76	6.74	6.72	6.70	6.68
17.4500	6.66	6.64	6.62	6.60	6.58
17.5125	6.56	6.54	6.52	6.50	6.48
17.5750	6.46	6.44	6.42	6.40	6.38
17.6375	6.36	6.34	6.31	6.29	6.27
17.7000	6.25	6.23	6.21	6.19	6.17
17.7625	6.15	6.13	6.11	6.09	6.07
17.8250	6.05	6.03	6.01	5.99	5.97
17.8875	5.95	5.92	5.90	5.88	5.86
17.9500	5.84	5.82	5.80	5.78	5.76
18.0125	5.74	5.72	5.70	5.68	5.66
18.0750	5.64	5.62	5.60	5.58	5.56
18.1375	5.54	5.52	5.50	5.48	5.47
18.2000	5.45	5.43	5.42	5.40	5.39
18.2625	5.37	5.36	5.34	5.33	5.32
18.3250	5.31	5.30	5.29	5.27	5.26
18.3875	5.25	5.25	5.24	5.23	5.22
18.4500	5.21	5.20	5.19	5.19	5.18
18.5125	5.17	5.16	5.16	5.15	5.14
18.5750	5.13	5.13	5.12	5.11	5.11
18.6375	5.10	5.09	5.09	5.08	5.07
18.7000	5.07	5.06	5.06	5.05	5.04
18.7625	5.04	5.03	5.02	5.02	5.01
18.8250	5.00	5.00	4.99	4.99	4.98
18.8875	4.97	4.97	4.96	4.96	4.95
18.9500	4.94	4.94	4.93	4.92	4.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0125	4.91	4.91	4.90	4.89	4.89
19.0750	4.88	4.88	4.87	4.86	4.86
19.1375	4.85	4.84	4.84	4.83	4.83
19.2000	4.82	4.81	4.81	4.80	4.80
19.2625	4.79	4.78	4.78	4.77	4.76
19.3250	4.76	4.75	4.75	4.74	4.73
19.3875	4.73	4.72	4.72	4.71	4.70
19.4500	4.70	4.69	4.69	4.68	4.67
19.5125	4.67	4.66	4.65	4.65	4.64
19.5750	4.64	4.63	4.62	4.62	4.61
19.6375	4.61	4.60	4.59	4.59	4.58
19.7000	4.57	4.57	4.56	4.56	4.55
19.7625	4.54	4.54	4.53	4.53	4.52
19.8250	4.51	4.51	4.50	4.49	4.49
19.8875	4.48	4.48	4.47	4.46	4.46
19.9500	4.45	4.45	4.44	4.43	4.43
20.0125	4.42	4.41	4.41	4.40	4.40
20.0750	4.39	4.38	4.38	4.37	4.37
20.1375	4.36	4.35	4.35	4.34	4.34
20.2000	4.33	4.32	4.32	4.31	4.31
20.2625	4.30	4.30	4.29	4.29	4.28
20.3250	4.28	4.27	4.27	4.26	4.26
20.3875	4.25	4.25	4.24	4.24	4.23
20.4500	4.23	4.22	4.22	4.21	4.21
20.5125	4.20	4.20	4.19	4.19	4.18
20.5750	4.18	4.17	4.17	4.17	4.16
20.6375	4.16	4.15	4.15	4.14	4.14
20.7000	4.13	4.13	4.12	4.12	4.11
20.7625	4.11	4.10	4.10	4.09	4.09
20.8250	4.08	4.08	4.07	4.07	4.06
20.8875	4.06	4.05	4.05	4.05	4.04
20.9500	4.04	4.03	4.03	4.02	4.02
21.0125	4.01	4.01	4.01	4.00	4.00
21.0750	3.99	3.99	3.99	3.98	3.98
21.1375	3.97	3.97	3.96	3.96	3.95
21.2000	3.95	3.95	3.94	3.94	3.93
21.2625	3.93	3.92	3.92	3.91	3.91
21.3250	3.90	3.90	3.89	3.89	3.88
21.3875	3.88	3.87	3.87	3.87	3.86
21.4500	3.86	3.85	3.85	3.84	3.84
21.5125	3.83	3.83	3.82	3.82	3.81
21.5750	3.81	3.80	3.80	3.79	3.79
21.6375	3.78	3.78	3.77	3.77	3.76
21.7000	3.76	3.76	3.75	3.75	3.74
21.7625	3.74	3.73	3.73	3.72	3.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8250	3.72	3.71	3.71	3.70	3.70
21.8875	3.69	3.69	3.69	3.68	3.68
21.9500	3.67	3.67	3.66	3.66	3.65
22.0125	3.65	3.65	3.64	3.64	3.63
22.0750	3.63	3.62	3.62	3.61	3.61
22.1375	3.60	3.60	3.59	3.59	3.58
22.2000	3.58	3.57	3.57	3.57	3.56
22.2625	3.56	3.55	3.55	3.54	3.54
22.3250	3.53	3.53	3.52	3.52	3.51
22.3875	3.51	3.50	3.50	3.49	3.49
22.4500	3.48	3.48	3.47	3.47	3.46
22.5125	3.46	3.46	3.45	3.45	3.44
22.5750	3.44	3.43	3.43	3.42	3.42
22.6375	3.42	3.41	3.41	3.40	3.40
22.7000	3.39	3.39	3.39	3.38	3.38
22.7625	3.37	3.37	3.36	3.36	3.35
22.8250	3.35	3.35	3.34	3.34	3.33
22.8875	3.33	3.32	3.32	3.31	3.31
22.9500	3.30	3.30	3.29	3.29	3.28
23.0125	3.28	3.27	3.27	3.27	3.26
23.0750	3.26	3.25	3.25	3.24	3.24
23.1375	3.23	3.23	3.22	3.22	3.21
23.2000	3.21	3.20	3.20	3.19	3.19
23.2625	3.18	3.18	3.17	3.17	3.16
23.3250	3.16	3.16	3.15	3.15	3.14
23.3875	3.14	3.13	3.13	3.12	3.12
23.4500	3.12	3.11	3.11	3.10	3.10
23.5125	3.09	3.09	3.09	3.08	3.08
23.5750	3.07	3.07	3.06	3.06	3.05
23.6375	3.05	3.04	3.04	3.03	3.03
23.7000	3.02	3.02	3.02	3.01	3.01
23.7625	3.00	3.00	2.99	2.99	2.98
23.8250	2.98	2.97	2.97	2.96	2.96
23.8875	2.96	2.95	2.95	2.94	2.94
23.9500	2.93	2.93	2.92	2.92	2.91
24.0125	2.90	2.90	2.88	2.87	2.85
24.0750	2.83	2.80	2.76	2.71	2.65
24.1375	2.59	2.51	2.43	2.33	2.23
24.2000	2.13	2.02	1.91	1.80	1.69
24.2625	1.58	1.47	1.36	1.26	1.17
24.3250	1.08	.99	.91	.84	.77
24.3875	.70	.64	.59	.54	.49
24.4500	.45	.40	.37	.33	.30
24.5125	.28	.25	.23	.20	.18
24.5750	.17	.15	.14	.12	.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.6375	.10	.09	.08	.07	.06
24.7000	.06	.05	.05	.04	.04
24.7625	.03	.03	.03	.02	.02
24.8250	.02	.02	.01	.01	.01
24.8875	.01	.01	.01	.01	.01
24.9500	.00	.00	.00	.00	.00

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB AA OUTLET

HYG Tag = 50

 Peak Discharge = 237.06 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 930484 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
11.2250	.00	.36	3.46	6.20	8.84
11.2875	12.52	15.47	17.84	19.76	21.33
11.3500	22.64	23.76	24.91	25.85	26.63
11.4125	27.29	27.88	28.41	28.90	29.35
11.4750	29.79	30.21	30.63	31.05	31.48
11.5375	31.92	32.40	32.90	33.45	34.05
11.6000	34.72	35.47	36.30	37.23	38.28
11.6625	39.43	40.70	42.12	43.69	45.61
11.7250	47.65	49.77	52.01	54.37	56.83
11.7875	59.40	62.10	64.91	67.93	71.24
11.8500	74.54	77.86	81.19	84.57	88.07
11.9125	91.66	95.61	99.96	104.47	109.33
11.9750	114.70	120.45	127.03	134.38	142.09
12.0375	150.18	158.88	167.96	176.93	185.78
12.1000	194.70	203.13	210.88	217.96	224.00
12.1625	229.21	233.33	235.84	237.06	237.03
12.2250	235.54	232.99	229.52	225.15	220.36
12.2875	215.02	209.20	203.09	196.82	190.45
12.3500	184.26	178.20	172.27	166.46	160.84
12.4125	155.42	150.37	145.42	140.54	135.72
12.4750	131.00	126.37	121.87	117.67	113.43
12.5375	109.22	105.07	100.98	96.98	93.12
12.6000	89.60	86.10	82.67	79.31	76.07
12.6625	72.98	70.02	67.22	64.80	62.49
12.7250	60.28	58.17	56.17	54.31	52.56
12.7875	50.93	49.42	48.02	46.71	45.50
12.8500	44.37	43.32	42.46	41.61	40.80
12.9125	40.01	39.25	38.52	37.83	37.16
12.9750	36.52	35.91	35.32	34.75	34.20
13.0375	33.67	33.16	32.66	32.18	31.72
13.1000	31.27	30.83	30.42	30.01	29.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.1625	29.25	28.89	28.55	28.23	27.92
13.2250	27.63	27.35	27.09	26.84	26.61
13.2875	26.38	26.17	25.98	25.79	25.61
13.3500	25.44	25.27	25.11	24.96	24.82
13.4125	24.67	24.54	24.40	24.27	24.14
13.4750	24.02	23.90	23.78	23.66	23.56
13.5375	23.46	23.36	23.26	23.15	23.05
13.6000	22.94	22.84	22.73	22.62	22.51
13.6625	22.41	22.30	22.19	22.08	21.98
13.7250	21.87	21.76	21.66	21.55	21.44
13.7875	21.34	21.23	21.12	21.02	20.91
13.8500	20.81	20.70	20.60	20.49	20.39
13.9125	20.28	20.18	20.07	19.97	19.86
13.9750	19.76	19.65	19.55	19.44	19.34
14.0375	19.23	19.13	19.02	18.92	18.82
14.1000	18.72	18.62	18.52	18.42	18.32
14.1625	18.23	18.14	18.05	17.96	17.87
14.2250	17.79	17.71	17.63	17.55	17.48
14.2875	17.41	17.34	17.27	17.21	17.14
14.3500	17.08	17.01	16.95	16.89	16.84
14.4125	16.78	16.72	16.66	16.61	16.55
14.4750	16.50	16.45	16.39	16.34	16.28
14.5375	16.23	16.18	16.13	16.07	16.02
14.6000	15.97	15.92	15.87	15.81	15.76
14.6625	15.71	15.66	15.61	15.56	15.51
14.7250	15.46	15.41	15.35	15.30	15.25
14.7875	15.20	15.15	15.10	15.05	15.00
14.8500	14.95	14.90	14.85	14.80	14.75
14.9125	14.70	14.65	14.60	14.55	14.50
14.9750	14.44	14.39	14.34	14.29	14.24
15.0375	14.19	14.14	14.09	14.04	13.99
15.1000	13.94	13.89	13.84	13.79	13.73
15.1625	13.68	13.63	13.58	13.53	13.48
15.2250	13.43	13.38	13.33	13.28	13.23
15.2875	13.18	13.13	13.08	13.03	12.98
15.3500	12.93	12.88	12.82	12.77	12.72
15.4125	12.67	12.62	12.57	12.52	12.47
15.4750	12.42	12.37	12.32	12.27	12.22
15.5375	12.17	12.11	12.06	12.01	11.96
15.6000	11.91	11.86	11.81	11.76	11.71
15.6625	11.66	11.61	11.56	11.51	11.45
15.7250	11.40	11.35	11.30	11.25	11.20
15.7875	11.15	11.10	11.05	11.00	10.95
15.8500	10.90	10.85	10.80	10.75	10.69
15.9125	10.64	10.59	10.54	10.49	10.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.9750	10.39	10.34	10.29	10.24	10.19
16.0375	10.14	10.09	10.04	9.99	9.94
16.1000	9.89	9.84	9.80	9.75	9.70
16.1625	9.66	9.62	9.58	9.53	9.49
16.2250	9.45	9.42	9.38	9.34	9.31
16.2875	9.28	9.24	9.21	9.18	9.15
16.3500	9.12	9.09	9.06	9.04	9.01
16.4125	8.99	8.96	8.93	8.91	8.88
16.4750	8.86	8.83	8.81	8.79	8.76
16.5375	8.74	8.72	8.69	8.67	8.65
16.6000	8.62	8.60	8.58	8.56	8.53
16.6625	8.51	8.49	8.47	8.44	8.42
16.7250	8.40	8.38	8.36	8.34	8.33
16.7875	8.31	8.30	8.28	8.26	8.24
16.8500	8.23	8.21	8.19	8.17	8.15
16.9125	8.13	8.11	8.09	8.07	8.04
16.9750	8.02	8.00	7.98	7.96	7.94
17.0375	7.92	7.89	7.87	7.85	7.83
17.1000	7.81	7.79	7.76	7.74	7.72
17.1625	7.70	7.68	7.65	7.63	7.61
17.2250	7.59	7.57	7.54	7.52	7.50
17.2875	7.48	7.46	7.43	7.41	7.39
17.3500	7.37	7.34	7.32	7.30	7.28
17.4125	7.26	7.23	7.21	7.19	7.17
17.4750	7.15	7.12	7.10	7.08	7.06
17.5375	7.04	7.01	6.99	6.97	6.95
17.6000	6.93	6.90	6.88	6.86	6.84
17.6625	6.82	6.79	6.77	6.75	6.73
17.7250	6.70	6.68	6.66	6.64	6.62
17.7875	6.59	6.57	6.55	6.53	6.51
17.8500	6.48	6.46	6.44	6.42	6.39
17.9125	6.37	6.35	6.33	6.31	6.28
17.9750	6.26	6.24	6.22	6.20	6.17
18.0375	6.15	6.13	6.11	6.09	6.06
18.1000	6.04	6.02	6.00	5.98	5.96
18.1625	5.94	5.92	5.90	5.88	5.86
18.2250	5.84	5.83	5.81	5.80	5.78
18.2875	5.77	5.75	5.74	5.73	5.72
18.3500	5.70	5.69	5.68	5.67	5.66
18.4125	5.65	5.64	5.63	5.62	5.61
18.4750	5.61	5.60	5.59	5.58	5.57
18.5375	5.56	5.56	5.55	5.54	5.53
18.6000	5.53	5.52	5.51	5.50	5.50
18.6625	5.49	5.48	5.48	5.47	5.46
18.7250	5.46	5.45	5.44	5.44	5.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.7875	5.42	5.41	5.41	5.40	5.39
18.8500	5.39	5.38	5.37	5.37	5.36
18.9125	5.35	5.35	5.34	5.33	5.33
18.9750	5.32	5.31	5.31	5.30	5.29
19.0375	5.29	5.28	5.27	5.27	5.26
19.1000	5.26	5.25	5.24	5.24	5.23
19.1625	5.22	5.22	5.21	5.20	5.19
19.2250	5.19	5.18	5.18	5.17	5.16
19.2875	5.16	5.15	5.14	5.14	5.13
19.3500	5.12	5.12	5.11	5.10	5.10
19.4125	5.09	5.08	5.08	5.07	5.06
19.4750	5.06	5.05	5.04	5.04	5.03
19.5375	5.02	5.02	5.01	5.00	5.00
19.6000	4.99	4.98	4.98	4.97	4.96
19.6625	4.96	4.95	4.94	4.94	4.93
19.7250	4.92	4.92	4.91	4.90	4.90
19.7875	4.89	4.88	4.88	4.87	4.86
19.8500	4.86	4.85	4.84	4.84	4.83
19.9125	4.82	4.82	4.81	4.80	4.80
19.9750	4.79	4.78	4.78	4.77	4.76
20.0375	4.76	4.75	4.74	4.74	4.73
20.1000	4.72	4.72	4.71	4.70	4.70
20.1625	4.69	4.69	4.68	4.67	4.67
20.2250	4.66	4.65	4.65	4.64	4.64
20.2875	4.63	4.63	4.62	4.62	4.61
20.3500	4.61	4.60	4.60	4.59	4.58
20.4125	4.58	4.57	4.57	4.56	4.56
20.4750	4.55	4.55	4.54	4.54	4.53
20.5375	4.52	4.52	4.51	4.51	4.50
20.6000	4.50	4.49	4.49	4.48	4.48
20.6625	4.47	4.47	4.46	4.46	4.45
20.7250	4.45	4.44	4.44	4.43	4.43
20.7875	4.42	4.42	4.41	4.41	4.40
20.8500	4.40	4.39	4.39	4.38	4.38
20.9125	4.37	4.37	4.36	4.36	4.35
20.9750	4.35	4.34	4.34	4.33	4.33
21.0375	4.32	4.32	4.31	4.31	4.30
21.1000	4.30	4.30	4.29	4.29	4.28
21.1625	4.28	4.27	4.27	4.26	4.26
21.2250	4.25	4.25	4.24	4.24	4.23
21.2875	4.23	4.22	4.22	4.21	4.21
21.3500	4.20	4.20	4.19	4.19	4.18
21.4125	4.18	4.17	4.17	4.16	4.16
21.4750	4.15	4.15	4.14	4.14	4.13
21.5375	4.12	4.12	4.11	4.11	4.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6000	4.10	4.09	4.09	4.08	4.08
21.6625	4.07	4.07	4.06	4.06	4.05
21.7250	4.05	4.04	4.04	4.03	4.03
21.7875	4.02	4.02	4.01	4.01	4.00
21.8500	4.00	3.99	3.99	3.99	3.98
21.9125	3.98	3.97	3.97	3.96	3.96
21.9750	3.95	3.95	3.94	3.94	3.93
22.0375	3.93	3.92	3.92	3.91	3.91
22.1000	3.90	3.90	3.89	3.89	3.88
22.1625	3.88	3.87	3.87	3.86	3.86
22.2250	3.85	3.85	3.84	3.84	3.83
22.2875	3.83	3.82	3.82	3.81	3.81
22.3500	3.80	3.80	3.79	3.78	3.78
22.4125	3.77	3.77	3.76	3.76	3.75
22.4750	3.75	3.74	3.74	3.73	3.73
22.5375	3.72	3.72	3.71	3.71	3.70
22.6000	3.70	3.69	3.69	3.69	3.68
22.6625	3.68	3.67	3.67	3.66	3.66
22.7250	3.65	3.65	3.64	3.64	3.63
22.7875	3.63	3.62	3.62	3.61	3.61
22.8500	3.60	3.60	3.59	3.59	3.58
22.9125	3.58	3.57	3.57	3.56	3.56
22.9750	3.55	3.55	3.54	3.54	3.53
23.0375	3.53	3.52	3.52	3.51	3.51
23.1000	3.50	3.50	3.49	3.49	3.48
23.1625	3.48	3.47	3.47	3.46	3.45
23.2250	3.45	3.44	3.44	3.43	3.43
23.2875	3.42	3.42	3.41	3.41	3.40
23.3500	3.40	3.39	3.39	3.39	3.38
23.4125	3.38	3.37	3.37	3.36	3.36
23.4750	3.35	3.35	3.34	3.34	3.33
23.5375	3.33	3.33	3.32	3.32	3.31
23.6000	3.31	3.30	3.30	3.29	3.28
23.6625	3.28	3.27	3.27	3.26	3.26
23.7250	3.25	3.25	3.24	3.24	3.23
23.7875	3.23	3.22	3.22	3.21	3.21
23.8500	3.20	3.20	3.19	3.19	3.18
23.9125	3.18	3.17	3.17	3.16	3.16
23.9750	3.15	3.15	3.14	3.13	3.12
24.0375	3.11	3.10	3.08	3.05	3.02
24.1000	2.98	2.92	2.86	2.79	2.71
24.1625	2.62	2.52	2.41	2.30	2.18
24.2250	2.06	1.94	1.82	1.70	1.58
24.2875	1.47	1.36	1.26	1.16	1.07
24.3500	.98	.90	.83	.76	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.4125	.63	.58	.53	.48	.44
24.4750	.40	.36	.33	.30	.27
24.5375	.24	.22	.20	.18	.16
24.6000	.15	.13	.12	.11	.10
24.6625	.09	.08	.07	.06	.06
24.7250	.05	.04	.04	.04	.03
24.7875	.03	.02	.02	.02	.02
24.8500	.01	.01	.01	.01	.01
24.9125	.01	.01	.01	.00	.00
24.9750	.00	.00	.00		

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB AA OUTLET

HYG Tag = 100

 Peak Discharge = 255.36 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 1021935 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	2.34	4.99	7.31	10.09
11.0000	.00	2.34	4.99	7.31	10.09
11.0625	13.04	15.38	17.23	18.71	19.90
11.1250	20.86	21.66	22.33	22.89	23.39
11.1875	23.87	24.35	24.78	25.16	25.52
11.2500	25.87	26.21	26.54	26.88	27.21
11.3125	27.56	27.90	28.26	28.62	28.99
11.3750	29.36	29.73	30.11	30.50	30.89
11.4375	31.28	31.68	32.08	32.49	32.89
11.5000	33.31	33.74	34.18	34.65	35.15
11.5625	35.68	36.28	36.92	37.63	38.44
11.6250	39.34	40.34	41.48	42.71	44.19
11.6875	45.92	47.73	49.67	51.78	54.02
11.7500	56.39	58.91	61.54	64.31	67.26
11.8125	70.58	73.93	77.34	80.80	84.31
11.8750	87.86	91.48	95.38	99.49	103.73
11.9375	108.25	113.01	118.18	124.01	130.54
12.0000	137.58	145.32	153.50	162.54	171.94
12.0625	181.48	191.09	200.91	210.38	219.23
12.1250	227.51	235.31	241.84	247.27	251.52
12.1875	254.12	255.36	255.28	253.64	250.86
12.2500	247.11	242.36	236.99	231.09	224.74
12.3125	218.33	211.67	204.86	197.99	191.27
12.3750	184.97	178.86	172.89	167.10	161.45
12.4375	155.95	150.80	145.75	140.75	135.81
12.5000	130.94	126.16	121.53	117.16	112.80
12.5625	108.46	104.19	100.04	95.97	92.13
12.6250	88.59	85.07	81.65	78.37	75.21
12.6875	72.21	69.40	66.74	64.49	62.32
12.7500	60.23	58.27	56.42	54.69	53.08
12.8125	51.58	50.17	48.88	47.66	46.53
12.8750	45.47	44.48	43.54	42.75	42.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.9375	41.27	40.55	39.86	39.19	38.54
13.0000	37.92	37.31	36.73	36.16	35.61
13.0625	35.08	34.57	34.07	33.59	33.12
13.1250	32.67	32.24	31.82	31.42	31.03
13.1875	30.67	30.32	29.99	29.67	29.38
13.2500	29.10	28.83	28.58	28.34	28.11
13.3125	27.90	27.70	27.50	27.32	27.14
13.3750	26.97	26.81	26.65	26.50	26.35
13.4375	26.21	26.07	25.93	25.80	25.67
13.5000	25.54	25.41	25.28	25.16	25.03
13.5625	24.91	24.79	24.67	24.55	24.43
13.6250	24.32	24.20	24.08	23.96	23.85
13.6875	23.73	23.61	23.52	23.42	23.32
13.7500	23.22	23.11	23.00	22.90	22.79
13.8125	22.67	22.56	22.45	22.34	22.23
13.8750	22.11	22.00	21.89	21.78	21.67
13.9375	21.55	21.44	21.33	21.21	21.10
14.0000	20.99	20.88	20.76	20.65	20.54
14.0625	20.43	20.32	20.21	20.10	19.99
14.1250	19.88	19.78	19.68	19.57	19.47
14.1875	19.38	19.28	19.19	19.10	19.02
14.2500	18.93	18.85	18.77	18.69	18.62
14.3125	18.55	18.47	18.40	18.34	18.27
14.3750	18.20	18.14	18.08	18.02	17.95
14.4375	17.89	17.83	17.77	17.72	17.66
14.5000	17.60	17.54	17.49	17.43	17.37
14.5625	17.31	17.26	17.20	17.15	17.09
14.6250	17.03	16.98	16.92	16.87	16.81
14.6875	16.76	16.70	16.65	16.59	16.54
14.7500	16.49	16.43	16.38	16.32	16.27
14.8125	16.21	16.16	16.10	16.05	16.00
14.8750	15.94	15.89	15.83	15.78	15.73
14.9375	15.67	15.62	15.56	15.51	15.45
15.0000	15.40	15.35	15.29	15.24	15.18
15.0625	15.13	15.07	15.02	14.96	14.91
15.1250	14.85	14.80	14.75	14.69	14.64
15.1875	14.58	14.53	14.47	14.42	14.36
15.2500	14.31	14.26	14.20	14.15	14.09
15.3125	14.04	13.99	13.93	13.88	13.82
15.3750	13.77	13.71	13.66	13.61	13.55
15.4375	13.50	13.44	13.39	13.33	13.28
15.5000	13.22	13.17	13.11	13.06	13.00
15.5625	12.95	12.90	12.84	12.79	12.73
15.6250	12.68	12.62	12.57	12.51	12.46
15.6875	12.41	12.35	12.30	12.24	12.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7500	12.13	12.08	12.03	11.97	11.92
15.8125	11.86	11.81	11.75	11.70	11.64
15.8750	11.59	11.54	11.48	11.43	11.37
15.9375	11.32	11.26	11.21	11.15	11.10
16.0000	11.04	10.99	10.93	10.88	10.83
16.0625	10.77	10.72	10.67	10.62	10.56
16.1250	10.51	10.47	10.42	10.37	10.32
16.1875	10.28	10.23	10.19	10.15	10.11
16.2500	10.07	10.03	9.99	9.96	9.92
16.3125	9.89	9.85	9.82	9.79	9.76
16.3750	9.73	9.70	9.67	9.64	9.62
16.4375	9.59	9.56	9.54	9.51	9.48
16.5000	9.46	9.43	9.41	9.38	9.36
16.5625	9.33	9.31	9.28	9.26	9.23
16.6250	9.21	9.19	9.16	9.14	9.11
16.6875	9.09	9.06	9.04	9.02	8.99
16.7500	8.97	8.95	8.92	8.90	8.87
16.8125	8.85	8.83	8.80	8.78	8.75
16.8750	8.73	8.71	8.68	8.66	8.64
16.9375	8.61	8.59	8.56	8.54	8.52
17.0000	8.49	8.47	8.45	8.42	8.40
17.0625	8.38	8.35	8.34	8.32	8.31
17.1250	8.29	8.27	8.25	8.23	8.21
17.1875	8.19	8.17	8.15	8.13	8.11
17.2500	8.09	8.06	8.04	8.02	8.00
17.3125	7.97	7.95	7.93	7.90	7.88
17.3750	7.86	7.83	7.81	7.79	7.76
17.4375	7.74	7.72	7.69	7.67	7.65
17.5000	7.62	7.60	7.57	7.55	7.53
17.5625	7.50	7.48	7.46	7.43	7.41
17.6250	7.39	7.36	7.34	7.31	7.29
17.6875	7.27	7.24	7.22	7.20	7.17
17.7500	7.15	7.12	7.10	7.08	7.05
17.8125	7.03	7.01	6.98	6.96	6.93
17.8750	6.91	6.89	6.86	6.84	6.82
17.9375	6.79	6.77	6.74	6.72	6.70
18.0000	6.67	6.65	6.63	6.60	6.58
18.0625	6.56	6.53	6.51	6.48	6.46
18.1250	6.44	6.42	6.39	6.37	6.35
18.1875	6.33	6.31	6.29	6.27	6.26
18.2500	6.24	6.22	6.21	6.19	6.18
18.3125	6.16	6.15	6.13	6.12	6.11
18.3750	6.10	6.09	6.08	6.06	6.05
18.4375	6.04	6.03	6.03	6.02	6.01
18.5000	6.00	5.99	5.98	5.97	5.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5625	5.96	5.95	5.94	5.93	5.92
18.6250	5.92	5.91	5.90	5.89	5.89
18.6875	5.88	5.87	5.86	5.86	5.85
18.7500	5.84	5.83	5.83	5.82	5.81
18.8125	5.80	5.80	5.79	5.78	5.78
18.8750	5.77	5.76	5.75	5.75	5.74
18.9375	5.73	5.73	5.72	5.71	5.70
19.0000	5.70	5.69	5.68	5.68	5.67
19.0625	5.66	5.65	5.65	5.64	5.63
19.1250	5.63	5.62	5.61	5.60	5.60
19.1875	5.59	5.58	5.58	5.57	5.56
19.2500	5.55	5.55	5.54	5.53	5.53
19.3125	5.52	5.51	5.50	5.50	5.49
19.3750	5.48	5.48	5.47	5.46	5.45
19.4375	5.45	5.44	5.43	5.43	5.42
19.5000	5.41	5.41	5.40	5.39	5.38
19.5625	5.38	5.37	5.36	5.36	5.35
19.6250	5.34	5.33	5.33	5.32	5.31
19.6875	5.31	5.30	5.29	5.28	5.28
19.7500	5.27	5.26	5.26	5.25	5.24
19.8125	5.23	5.23	5.22	5.21	5.21
19.8750	5.20	5.19	5.18	5.18	5.17
19.9375	5.16	5.16	5.15	5.14	5.13
20.0000	5.13	5.12	5.11	5.11	5.10
20.0625	5.09	5.08	5.08	5.07	5.06
20.1250	5.06	5.05	5.04	5.03	5.03
20.1875	5.02	5.01	5.01	5.00	5.00
20.2500	4.99	4.98	4.98	4.97	4.97
20.3125	4.96	4.95	4.95	4.94	4.94
20.3750	4.93	4.93	4.92	4.91	4.91
20.4375	4.90	4.90	4.89	4.88	4.88
20.5000	4.87	4.87	4.86	4.86	4.85
20.5625	4.85	4.84	4.83	4.83	4.82
20.6250	4.82	4.81	4.81	4.80	4.80
20.6875	4.79	4.79	4.78	4.77	4.77
20.7500	4.76	4.76	4.75	4.75	4.74
20.8125	4.73	4.73	4.72	4.72	4.71
20.8750	4.71	4.70	4.70	4.69	4.69
20.9375	4.68	4.67	4.67	4.66	4.66
21.0000	4.65	4.65	4.64	4.64	4.63
21.0625	4.63	4.62	4.62	4.61	4.61
21.1250	4.61	4.60	4.60	4.59	4.58
21.1875	4.58	4.57	4.57	4.56	4.56
21.2500	4.55	4.55	4.54	4.54	4.53
21.3125	4.52	4.52	4.51	4.51	4.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3750	4.50	4.49	4.49	4.48	4.48
21.4375	4.47	4.46	4.46	4.45	4.45
21.5000	4.44	4.44	4.43	4.43	4.42
21.5625	4.41	4.41	4.40	4.40	4.39
21.6250	4.39	4.38	4.38	4.37	4.36
21.6875	4.36	4.35	4.35	4.34	4.34
21.7500	4.33	4.33	4.32	4.32	4.31
21.8125	4.31	4.30	4.30	4.29	4.29
21.8750	4.28	4.28	4.27	4.27	4.26
21.9375	4.26	4.25	4.25	4.24	4.24
22.0000	4.23	4.23	4.22	4.22	4.21
22.0625	4.20	4.20	4.19	4.19	4.18
22.1250	4.18	4.17	4.17	4.16	4.15
22.1875	4.15	4.14	4.14	4.13	4.13
22.2500	4.12	4.12	4.11	4.11	4.10
22.3125	4.10	4.09	4.08	4.08	4.07
22.3750	4.07	4.06	4.05	4.05	4.04
22.4375	4.04	4.03	4.03	4.02	4.02
22.5000	4.01	4.01	4.00	4.00	3.99
22.5625	3.99	3.98	3.97	3.97	3.96
22.6250	3.96	3.95	3.95	3.94	3.94
22.6875	3.94	3.93	3.93	3.92	3.92
22.7500	3.91	3.91	3.90	3.90	3.89
22.8125	3.88	3.88	3.87	3.87	3.86
22.8750	3.86	3.85	3.84	3.84	3.83
22.9375	3.83	3.82	3.82	3.81	3.81
23.0000	3.80	3.80	3.79	3.79	3.78
23.0625	3.78	3.77	3.76	3.76	3.75
23.1250	3.75	3.74	3.74	3.73	3.72
23.1875	3.72	3.71	3.71	3.70	3.70
23.2500	3.69	3.68	3.68	3.67	3.67
23.3125	3.66	3.66	3.65	3.65	3.64
23.3750	3.64	3.63	3.63	3.62	3.62
23.4375	3.61	3.61	3.60	3.60	3.59
23.5000	3.59	3.58	3.58	3.57	3.57
23.5625	3.56	3.56	3.55	3.55	3.54
23.6250	3.54	3.53	3.52	3.52	3.51
23.6875	3.51	3.50	3.50	3.49	3.49
23.7500	3.48	3.47	3.47	3.46	3.46
23.8125	3.45	3.45	3.44	3.44	3.43
23.8750	3.43	3.42	3.42	3.41	3.41
23.9375	3.40	3.39	3.39	3.38	3.38
24.0000	3.37	3.36	3.35	3.34	3.32
24.0625	3.30	3.27	3.24	3.19	3.14
24.1250	3.07	2.99	2.91	2.81	2.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1875	2.59	2.47	2.34	2.21	2.08
24.2500	1.95	1.82	1.70	1.58	1.46
24.3125	1.35	1.25	1.15	1.06	.97
24.3750	.89	.81	.74	.68	.62
24.4375	.57	.52	.47	.43	.39
24.5000	.35	.32	.29	.26	.24
24.5625	.21	.19	.17	.16	.14
24.6250	.13	.11	.10	.09	.08
24.6875	.07	.07	.06	.05	.05
24.7500	.04	.04	.03	.03	.03
24.8125	.02	.02	.02	.02	.01
24.8750	.01	.01	.01	.01	.01
24.9375	.01	.01	.00	.00	.00
25.0000	.00	.00			

Type... Outlet Input Data
Name... WQB CC-3 Outlet

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= .00 ft
Increment = .10 ft
Max. Elev.= 10.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.	Outfall	E1, ft	E2, ft
----- Weir-Rectangular TW SETUP, DS Channel	W0	---> TW	5.000	10.000

Type.... Outlet Input Data
Name.... WQB CC-3 Outlet

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

OUTLET STRUCTURE INPUT DATA

Structure ID = W0
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 5.00 ft
Weir Length = 100.00 ft
Weir Coeff. = 3.300000

Weir TW effects (Use adjustment equation)

Structure ID = TW
Structure Type = TW SETUP, DS Channel

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...
Maximum Iterations= 40
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .00 cfs
Max. Q tolerance = .00 cfs

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-3 OUTLET

HYG Tag = 2

 Peak Discharge = 25.70 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 66606 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	9.58	20.48	24.51	25.65
12.1125	.00	9.58	20.48	24.51	25.65
12.1750	25.70	25.25	24.54	23.68	22.74
12.2375	21.77	20.79	19.83	18.92	18.07
12.3000	17.29	16.58	15.93	15.33	14.76
12.3625	14.22	13.69	13.19	12.70	12.24
12.4250	11.79	11.35	10.92	10.49	10.20
12.4875	9.87	9.50	9.12	8.73	8.36
12.5500	7.99	7.63	7.28	6.94	6.62
12.6125	6.32	6.04	5.78	5.54	5.32
12.6750	5.12	4.94	4.78	4.63	4.51
12.7375	4.40	4.29	4.20	4.12	4.04
12.8000	3.97	3.90	3.84	3.78	3.72
12.8625	3.67	3.62	3.57	3.52	3.47
12.9250	3.43	3.38	3.34	3.29	3.25
12.9875	3.21	3.16	3.12	3.08	3.04
13.0500	3.00	2.97	2.93	2.89	2.86
13.1125	2.83	2.79	2.77	2.74	2.71
13.1750	2.69	2.67	2.64	2.63	2.61
13.2375	2.59	2.57	2.56	2.55	2.53
13.3000	2.52	2.51	2.49	2.48	2.47
13.3625	2.46	2.45	2.43	2.42	2.41
13.4250	2.40	2.39	2.38	2.37	2.36
13.4875	2.35	2.34	2.32	2.31	2.30
13.5500	2.29	2.28	2.27	2.26	2.25
13.6125	2.24	2.23	2.22	2.21	2.20
13.6750	2.19	2.18	2.16	2.15	2.14
13.7375	2.13	2.12	2.11	2.10	2.09
13.8000	2.08	2.07	2.06	2.05	2.04
13.8625	2.03	2.02	2.00	1.99	1.98
13.9250	1.97	1.96	1.95	1.94	1.93
13.9875	1.92	1.91	1.90	1.89	1.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0500	1.87	1.86	1.85	1.84	1.83
14.1125	1.82	1.81	1.80	1.79	1.78
14.1750	1.78	1.77	1.76	1.76	1.75
14.2375	1.74	1.74	1.73	1.73	1.72
14.3000	1.71	1.71	1.70	1.70	1.69
14.3625	1.69	1.68	1.68	1.67	1.67
14.4250	1.66	1.66	1.65	1.65	1.64
14.4875	1.64	1.63	1.62	1.62	1.61
14.5500	1.61	1.60	1.60	1.59	1.59
14.6125	1.58	1.58	1.57	1.57	1.56
14.6750	1.56	1.55	1.55	1.54	1.54
14.7375	1.53	1.53	1.52	1.52	1.51
14.8000	1.51	1.50	1.50	1.49	1.49
14.8625	1.48	1.48	1.47	1.47	1.46
14.9250	1.46	1.45	1.45	1.44	1.43
14.9875	1.43	1.42	1.42	1.41	1.41
15.0500	1.40	1.40	1.39	1.39	1.38
15.1125	1.38	1.37	1.37	1.36	1.36
15.1750	1.35	1.35	1.34	1.34	1.33
15.2375	1.33	1.32	1.32	1.31	1.31
15.3000	1.30	1.30	1.29	1.29	1.28
15.3625	1.27	1.27	1.26	1.26	1.25
15.4250	1.25	1.24	1.24	1.23	1.23
15.4875	1.22	1.22	1.21	1.21	1.20
15.5500	1.20	1.19	1.19	1.18	1.18
15.6125	1.17	1.17	1.16	1.16	1.15
15.6750	1.15	1.14	1.14	1.13	1.12
15.7375	1.12	1.11	1.11	1.10	1.10
15.8000	1.09	1.09	1.08	1.08	1.07
15.8625	1.07	1.06	1.06	1.05	1.05
15.9250	1.04	1.04	1.03	1.03	1.02
15.9875	1.02	1.01	1.01	1.00	1.00
16.0500	.99	.99	.98	.98	.97
16.1125	.97	.96	.96	.96	.95
16.1750	.95	.95	.94	.94	.94
16.2375	.93	.93	.93	.92	.92
16.3000	.92	.92	.91	.91	.91
16.3625	.91	.91	.90	.90	.90
16.4250	.90	.89	.89	.89	.89
16.4875	.88	.88	.88	.88	.88
16.5500	.87	.87	.87	.87	.86
16.6125	.86	.86	.86	.85	.85
16.6750	.85	.85	.85	.84	.84
16.7375	.84	.84	.84	.83	.83
16.8000	.83	.83	.82	.82	.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
16.8625	.82	.81	.81	.81	.81
16.9250	.81	.80	.80	.80	.80
16.9875	.79	.79	.79	.79	.79
17.0500	.78	.78	.78	.78	.77
17.1125	.77	.77	.77	.77	.76
17.1750	.76	.76	.76	.75	.75
17.2375	.75	.75	.74	.74	.74
17.3000	.74	.74	.73	.73	.73
17.3625	.73	.72	.72	.72	.72
17.4250	.72	.71	.71	.71	.71
17.4875	.70	.70	.70	.70	.70
17.5500	.69	.69	.69	.69	.68
17.6125	.68	.68	.68	.67	.67
17.6750	.67	.67	.67	.66	.66
17.7375	.66	.66	.65	.65	.65
17.8000	.65	.65	.64	.64	.64
17.8625	.64	.63	.63	.63	.63
17.9250	.62	.62	.62	.62	.62
17.9875	.61	.61	.61	.61	.60
18.0500	.60	.60	.60	.60	.59
18.1125	.59	.59	.59	.59	.59
18.1750	.58	.58	.58	.58	.58
18.2375	.58	.58	.58	.58	.58
18.3000	.57	.57	.57	.57	.57
18.3625	.57	.57	.57	.57	.57
18.4250	.57	.57	.57	.57	.56
18.4875	.56	.56	.56	.56	.56
18.5500	.56	.56	.56	.56	.56
18.6125	.56	.56	.56	.56	.55
18.6750	.55	.55	.55	.55	.55
18.7375	.55	.55	.55	.55	.55
18.8000	.55	.55	.55	.55	.54
18.8625	.54	.54	.54	.54	.54
18.9250	.54	.54	.54	.54	.54
18.9875	.54	.54	.54	.53	.53
19.0500	.53	.53	.53	.53	.53
19.1125	.53	.53	.53	.53	.53
19.1750	.53	.53	.53	.52	.52
19.2375	.52	.52	.52	.52	.52
19.3000	.52	.52	.52	.52	.52
19.3625	.52	.52	.52	.51	.51
19.4250	.51	.51	.51	.51	.51
19.4875	.51	.51	.51	.51	.51
19.5500	.51	.51	.50	.50	.50
19.6125	.50	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6750	.50	.50	.50	.50	.50
19.7375	.50	.50	.49	.49	.49
19.8000	.49	.49	.49	.49	.49
19.8625	.49	.49	.49	.49	.49
19.9250	.49	.49	.48	.48	.48
19.9875	.48	.48	.48	.48	.48
20.0500	.48	.48	.48	.48	.48
20.1125	.48	.48	.47	.47	.47
20.1750	.47	.47	.47	.47	.47
20.2375	.47	.47	.47	.47	.47
20.3000	.47	.47	.47	.47	.47
20.3625	.47	.46	.46	.46	.46
20.4250	.46	.46	.46	.46	.46
20.4875	.46	.46	.46	.46	.46
20.5500	.46	.46	.46	.46	.46
20.6125	.46	.45	.45	.45	.45
20.6750	.45	.45	.45	.45	.45
20.7375	.45	.45	.45	.45	.45
20.8000	.45	.45	.45	.45	.45
20.8625	.44	.44	.44	.44	.44
20.9250	.44	.44	.44	.44	.44
20.9875	.44	.44	.44	.44	.44
21.0500	.44	.44	.44	.44	.44
21.1125	.44	.43	.43	.43	.43
21.1750	.43	.43	.43	.43	.43
21.2375	.43	.43	.43	.43	.43
21.3000	.43	.43	.43	.43	.42
21.3625	.42	.42	.42	.42	.42
21.4250	.42	.42	.42	.42	.42
21.4875	.42	.42	.42	.42	.42
21.5500	.42	.42	.41	.41	.41
21.6125	.41	.41	.41	.41	.41
21.6750	.41	.41	.41	.41	.41
21.7375	.41	.41	.41	.41	.41
21.8000	.41	.41	.41	.41	.41
21.8625	.40	.40	.40	.40	.40
21.9250	.40	.40	.40	.40	.40
21.9875	.40	.40	.40	.40	.40
22.0500	.40	.40	.40	.39	.39
22.1125	.39	.39	.39	.39	.39
22.1750	.39	.39	.39	.39	.39
22.2375	.39	.39	.39	.39	.39
22.3000	.39	.39	.38	.38	.38
22.3625	.38	.38	.38	.38	.38
22.4250	.38	.38	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4875	.38	.38	.38	.38	.38
22.5500	.38	.38	.37	.37	.37
22.6125	.37	.37	.37	.37	.37
22.6750	.37	.37	.37	.37	.37
22.7375	.37	.37	.37	.37	.37
22.8000	.37	.37	.36	.36	.36
22.8625	.36	.36	.36	.36	.36
22.9250	.36	.36	.36	.36	.36
22.9875	.36	.36	.36	.36	.36
23.0500	.36	.36	.35	.35	.35
23.1125	.35	.35	.35	.35	.35
23.1750	.35	.35	.35	.35	.35
23.2375	.35	.35	.35	.35	.35
23.3000	.35	.34	.34	.34	.34
23.3625	.34	.34	.34	.34	.34
23.4250	.34	.34	.34	.34	.34
23.4875	.34	.34	.34	.34	.34
23.5500	.34	.33	.33	.33	.33
23.6125	.33	.33	.33	.33	.33
23.6750	.33	.33	.33	.33	.33
23.7375	.33	.33	.33	.33	.33
23.8000	.33	.32	.32	.32	.32
23.8625	.32	.32	.32	.32	.32
23.9250	.32	.32	.32	.32	.32
23.9875	.32	.32	.31	.31	.31
24.0500	.30	.30	.28	.27	.25
24.1125	.23	.20	.18	.16	.14
24.1750	.12	.10	.09	.07	.06
24.2375	.05	.04	.04	.03	.03
24.3000	.02	.02	.02	.01	.01
24.3625	.01	.01	.01	.01	.00
24.4250	.00	.00	.00	.00	.00
24.4875	.00				

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-3 OUTLET

HYG Tag = 10

 Peak Discharge = 43.49 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 142259 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

11.6750	.00	.80	4.60	6.97	8.52
11.7375	9.62	10.50	11.61	12.36	13.00
11.8000	13.60	14.18	14.77	15.35	15.95
11.8625	16.55	17.17	17.79	18.43	19.11
11.9250	19.85	20.72	21.75	23.00	24.49
11.9875	26.19	28.08	30.14	32.40	34.38
12.0500	36.21	37.89	39.38	40.68	41.75
12.1125	42.60	43.18	43.49	43.48	43.10
12.1750	42.35	41.27	39.93	38.42	36.82
12.2375	35.19	33.56	31.98	30.49	29.17
12.3000	28.06	26.95	25.90	24.92	23.98
12.3625	23.09	22.22	21.39	20.60	19.83
12.4250	19.10	18.38	17.68	16.98	16.29
12.4875	15.60	14.92	14.26	13.62	13.00
12.5500	12.41	11.84	11.29	10.76	10.32
12.6125	10.00	9.63	9.26	8.90	8.56
12.6750	8.24	7.96	7.70	7.47	7.27
12.7375	7.09	6.92	6.77	6.64	6.51
12.8000	6.39	6.28	6.18	6.09	6.00
12.8625	5.91	5.83	5.75	5.67	5.59
12.9250	5.52	5.44	5.37	5.30	5.23
12.9875	5.16	5.09	5.03	4.96	4.89
13.0500	4.83	4.77	4.71	4.65	4.60
13.1125	4.55	4.50	4.45	4.40	4.36
13.1750	4.32	4.29	4.25	4.22	4.19
13.2375	4.17	4.14	4.12	4.09	4.07
13.3000	4.05	4.03	4.01	3.99	3.97
13.3625	3.95	3.93	3.91	3.89	3.87
13.4250	3.86	3.84	3.82	3.80	3.79
13.4875	3.77	3.75	3.73	3.72	3.70
13.5500	3.68	3.67	3.65	3.63	3.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.6125	3.60	3.58	3.56	3.54	3.53
13.6750	3.51	3.49	3.48	3.46	3.44
13.7375	3.42	3.41	3.39	3.37	3.36
13.8000	3.34	3.32	3.30	3.29	3.27
13.8625	3.25	3.24	3.22	3.20	3.18
13.9250	3.17	3.15	3.13	3.11	3.10
13.9875	3.08	3.06	3.04	3.03	3.01
14.0500	2.99	2.98	2.96	2.95	2.93
14.1125	2.92	2.90	2.89	2.87	2.86
14.1750	2.85	2.84	2.83	2.82	2.81
14.2375	2.80	2.79	2.78	2.77	2.76
14.3000	2.75	2.74	2.73	2.72	2.71
14.3625	2.70	2.70	2.69	2.68	2.67
14.4250	2.66	2.65	2.65	2.64	2.63
14.4875	2.62	2.61	2.60	2.60	2.59
14.5500	2.58	2.57	2.56	2.55	2.55
14.6125	2.54	2.53	2.52	2.51	2.50
14.6750	2.50	2.49	2.48	2.47	2.46
14.7375	2.45	2.45	2.44	2.43	2.42
14.8000	2.41	2.41	2.40	2.39	2.38
14.8625	2.37	2.36	2.36	2.35	2.34
14.9250	2.33	2.32	2.31	2.31	2.30
14.9875	2.29	2.28	2.27	2.26	2.26
15.0500	2.25	2.24	2.23	2.22	2.22
15.1125	2.21	2.20	2.19	2.18	2.17
15.1750	2.16	2.16	2.15	2.14	2.13
15.2375	2.12	2.12	2.11	2.10	2.09
15.3000	2.08	2.07	2.07	2.06	2.05
15.3625	2.04	2.03	2.02	2.02	2.01
15.4250	2.00	1.99	1.98	1.97	1.97
15.4875	1.96	1.95	1.94	1.93	1.92
15.5500	1.92	1.91	1.90	1.89	1.88
15.6125	1.87	1.87	1.86	1.85	1.84
15.6750	1.83	1.83	1.82	1.81	1.80
15.7375	1.79	1.78	1.77	1.77	1.76
15.8000	1.75	1.74	1.73	1.73	1.72
15.8625	1.71	1.70	1.69	1.68	1.68
15.9250	1.67	1.66	1.65	1.64	1.63
15.9875	1.63	1.62	1.61	1.60	1.59
16.0500	1.59	1.58	1.57	1.56	1.56
16.1125	1.55	1.54	1.54	1.53	1.52
16.1750	1.52	1.51	1.51	1.50	1.50
16.2375	1.49	1.49	1.48	1.48	1.47
16.3000	1.47	1.47	1.46	1.46	1.46
16.3625	1.45	1.45	1.44	1.44	1.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.4250	1.43	1.43	1.42	1.42	1.42
16.4875	1.41	1.41	1.41	1.40	1.40
16.5500	1.40	1.39	1.39	1.39	1.38
16.6125	1.38	1.37	1.37	1.37	1.36
16.6750	1.36	1.36	1.35	1.35	1.35
16.7375	1.34	1.34	1.34	1.33	1.33
16.8000	1.32	1.32	1.32	1.31	1.31
16.8625	1.31	1.30	1.30	1.29	1.29
16.9250	1.29	1.28	1.28	1.28	1.27
16.9875	1.27	1.27	1.26	1.26	1.25
17.0500	1.25	1.25	1.24	1.24	1.24
17.1125	1.23	1.23	1.23	1.22	1.22
17.1750	1.22	1.21	1.21	1.20	1.20
17.2375	1.20	1.19	1.19	1.19	1.18
17.3000	1.18	1.18	1.17	1.17	1.17
17.3625	1.16	1.16	1.15	1.15	1.15
17.4250	1.14	1.14	1.14	1.13	1.13
17.4875	1.12	1.12	1.12	1.11	1.11
17.5500	1.11	1.10	1.10	1.10	1.09
17.6125	1.09	1.08	1.08	1.08	1.07
17.6750	1.07	1.07	1.06	1.06	1.06
17.7375	1.05	1.05	1.05	1.04	1.04
17.8000	1.03	1.03	1.03	1.02	1.02
17.8625	1.02	1.01	1.01	1.00	1.00
17.9250	1.00	.99	.99	.99	.98
17.9875	.98	.98	.97	.97	.97
18.0500	.96	.96	.95	.95	.95
18.1125	.95	.94	.94	.94	.93
18.1750	.93	.93	.93	.93	.93
18.2375	.92	.92	.92	.92	.92
18.3000	.92	.92	.92	.91	.91
18.3625	.91	.91	.91	.91	.91
18.4250	.91	.91	.90	.90	.90
18.4875	.90	.90	.90	.90	.90
18.5500	.89	.89	.89	.89	.89
18.6125	.89	.89	.89	.89	.89
18.6750	.88	.88	.88	.88	.88
18.7375	.88	.88	.88	.88	.87
18.8000	.87	.87	.87	.87	.87
18.8625	.87	.87	.87	.86	.86
18.9250	.86	.86	.86	.86	.86
18.9875	.86	.86	.85	.85	.85
19.0500	.85	.85	.85	.85	.85
19.1125	.85	.85	.84	.84	.84
19.1750	.84	.84	.84	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.2375	.84	.83	.83	.83	.83
19.3000	.83	.83	.83	.83	.83
19.3625	.82	.82	.82	.82	.82
19.4250	.82	.82	.82	.82	.82
19.4875	.81	.81	.81	.81	.81
19.5500	.81	.81	.81	.80	.80
19.6125	.80	.80	.80	.80	.80
19.6750	.80	.80	.80	.79	.79
19.7375	.79	.79	.79	.79	.79
19.8000	.79	.79	.78	.78	.78
19.8625	.78	.78	.78	.78	.78
19.9250	.78	.77	.77	.77	.77
19.9875	.77	.77	.77	.77	.77
20.0500	.77	.76	.76	.76	.76
20.1125	.76	.76	.76	.76	.76
20.1750	.75	.75	.75	.75	.75
20.2375	.75	.75	.75	.75	.75
20.3000	.75	.75	.75	.74	.74
20.3625	.74	.74	.74	.74	.74
20.4250	.74	.74	.74	.74	.73
20.4875	.73	.73	.73	.73	.73
20.5500	.73	.73	.73	.73	.73
20.6125	.73	.73	.72	.72	.72
20.6750	.72	.72	.72	.72	.72
20.7375	.72	.72	.71	.71	.71
20.8000	.71	.71	.71	.71	.71
20.8625	.71	.71	.71	.71	.71
20.9250	.71	.70	.70	.70	.70
20.9875	.70	.70	.70	.70	.70
21.0500	.70	.70	.70	.70	.70
21.1125	.69	.69	.69	.69	.69
21.1750	.69	.69	.69	.69	.69
21.2375	.68	.68	.68	.68	.68
21.3000	.68	.68	.68	.68	.68
21.3625	.68	.68	.68	.67	.67
21.4250	.67	.67	.67	.67	.67
21.4875	.67	.67	.67	.67	.66
21.5500	.66	.66	.66	.66	.66
21.6125	.66	.66	.66	.66	.66
21.6750	.66	.66	.65	.65	.65
21.7375	.65	.65	.65	.65	.65
21.8000	.65	.65	.65	.65	.65
21.8625	.65	.64	.64	.64	.64
21.9250	.64	.64	.64	.64	.64
21.9875	.64	.64	.63	.63	.63

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.0500	.63	.63	.63	.63	.63
22.1125	.63	.63	.63	.63	.62
22.1750	.62	.62	.62	.62	.62
22.2375	.62	.62	.62	.62	.62
22.3000	.62	.61	.61	.61	.61
22.3625	.61	.61	.61	.61	.61
22.4250	.61	.61	.61	.61	.60
22.4875	.60	.60	.60	.60	.60
22.5500	.60	.60	.60	.60	.60
22.6125	.60	.59	.59	.59	.59
22.6750	.59	.59	.59	.59	.59
22.7375	.59	.59	.59	.59	.58
22.8000	.58	.58	.58	.58	.58
22.8625	.58	.58	.58	.58	.58
22.9250	.57	.57	.57	.57	.57
22.9875	.57	.57	.57	.57	.57
23.0500	.57	.57	.57	.56	.56
23.1125	.56	.56	.56	.56	.56
23.1750	.56	.56	.56	.56	.55
23.2375	.55	.55	.55	.55	.55
23.3000	.55	.55	.55	.55	.55
23.3625	.55	.55	.54	.54	.54
23.4250	.54	.54	.54	.54	.54
23.4875	.54	.54	.54	.54	.54
23.5500	.53	.53	.53	.53	.53
23.6125	.53	.53	.53	.53	.53
23.6750	.53	.53	.52	.52	.52
23.7375	.52	.52	.52	.52	.52
23.8000	.52	.52	.52	.52	.52
23.8625	.51	.51	.51	.51	.51
23.9250	.51	.51	.51	.51	.50
23.9875	.50	.50	.50	.50	.49
24.0500	.48	.47	.45	.43	.40
24.1125	.36	.33	.29	.25	.22
24.1750	.19	.16	.14	.11	.10
24.2375	.08	.07	.06	.05	.04
24.3000	.03	.03	.02	.02	.02
24.3625	.01	.01	.01	.01	.01
24.4250	.01	.00	.00	.00	.00
24.4875	.00	.00			

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-3 OUTLET

HYG Tag = 25

Peak Discharge = 51.92 cfs
Time to Peak = 12.1375 hrs
HYG Volume = 180364 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
hrs | Time on left represents time for first value in each row.

Time hrs					
11.2500	.00	1.16	3.00	4.07	4.71
11.3125	5.11	5.37	5.54	5.67	5.78
11.3750	5.88	5.96	6.05	6.13	6.20
11.4375	6.28	6.36	6.43	6.51	6.59
11.5000	6.67	6.75	6.85	6.95	7.07
11.5625	7.22	7.40	7.60	7.84	8.10
11.6250	8.39	8.70	9.06	9.45	9.89
11.6875	10.37	11.13	11.81	12.43	13.04
11.7500	13.67	14.33	15.00	15.69	16.38
11.8125	17.08	17.77	18.47	19.18	19.90
11.8750	20.63	21.38	22.14	22.95	23.84
11.9375	24.87	26.10	27.58	29.36	31.73
12.0000	34.12	36.50	38.88	41.17	43.33
12.0625	45.31	47.08	48.62	49.88	50.88
12.1250	51.57	51.92	51.89	51.43	50.52
12.1875	49.22	47.62	45.81	43.90	41.94
12.2500	40.00	38.10	36.32	34.67	33.17
12.3125	31.81	30.56	29.42	28.47	27.45
12.3750	26.44	25.46	24.51	23.60	22.72
12.4375	21.87	21.03	20.20	19.37	18.55
12.5000	17.74	16.95	16.19	15.46	14.76
12.5625	14.08	13.42	12.79	12.20	11.65
12.6250	11.13	10.66	10.30	10.02	9.71
12.6875	9.41	9.12	8.86	8.63	8.41
12.7500	8.22	8.05	7.88	7.73	7.60
12.8125	7.47	7.35	7.23	7.13	7.02
12.8750	6.92	6.83	6.73	6.64	6.55
12.9375	6.47	6.38	6.30	6.22	6.13
13.0000	6.05	5.97	5.89	5.81	5.74
13.0625	5.67	5.60	5.53	5.46	5.40
13.1250	5.34	5.28	5.23	5.18	5.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.1875	5.09	5.05	5.01	4.98	4.95
13.2500	4.92	4.89	4.86	4.83	4.81
13.3125	4.78	4.76	4.73	4.71	4.69
13.3750	4.67	4.64	4.62	4.60	4.58
13.4375	4.56	4.54	4.52	4.50	4.48
13.5000	4.45	4.43	4.41	4.39	4.37
13.5625	4.35	4.33	4.31	4.29	4.27
13.6250	4.25	4.23	4.21	4.19	4.17
13.6875	4.15	4.13	4.11	4.09	4.07
13.7500	4.05	4.02	4.00	3.98	3.96
13.8125	3.94	3.92	3.90	3.88	3.86
13.8750	3.84	3.82	3.80	3.78	3.76
13.9375	3.74	3.72	3.70	3.68	3.65
14.0000	3.63	3.61	3.59	3.57	3.55
14.0625	3.53	3.52	3.50	3.48	3.46
14.1250	3.44	3.43	3.41	3.40	3.38
14.1875	3.37	3.35	3.34	3.33	3.32
14.2500	3.31	3.30	3.28	3.27	3.26
14.3125	3.25	3.24	3.23	3.22	3.21
14.3750	3.20	3.19	3.18	3.17	3.16
14.4375	3.15	3.14	3.13	3.12	3.11
14.5000	3.10	3.09	3.08	3.07	3.06
14.5625	3.05	3.04	3.03	3.02	3.01
14.6250	3.00	2.99	2.98	2.97	2.96
14.6875	2.95	2.94	2.93	2.92	2.91
14.7500	2.90	2.89	2.88	2.87	2.86
14.8125	2.85	2.84	2.83	2.83	2.82
14.8750	2.81	2.80	2.79	2.78	2.77
14.9375	2.76	2.75	2.74	2.73	2.72
15.0000	2.71	2.70	2.69	2.68	2.67
15.0625	2.66	2.65	2.64	2.63	2.62
15.1250	2.61	2.60	2.59	2.58	2.57
15.1875	2.56	2.55	2.54	2.53	2.52
15.2500	2.51	2.50	2.49	2.48	2.47
15.3125	2.46	2.45	2.44	2.43	2.42
15.3750	2.41	2.40	2.39	2.38	2.37
15.4375	2.36	2.35	2.34	2.33	2.32
15.5000	2.31	2.30	2.29	2.28	2.27
15.5625	2.26	2.25	2.24	2.23	2.22
15.6250	2.21	2.20	2.20	2.19	2.18
15.6875	2.17	2.16	2.15	2.14	2.13
15.7500	2.12	2.11	2.10	2.09	2.08
15.8125	2.07	2.06	2.05	2.04	2.03
15.8750	2.02	2.01	2.00	1.99	1.98
15.9375	1.97	1.96	1.95	1.94	1.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.0000	1.92	1.91	1.90	1.89	1.88
16.0625	1.87	1.86	1.85	1.85	1.84
16.1250	1.83	1.82	1.81	1.81	1.80
16.1875	1.79	1.79	1.78	1.78	1.77
16.2500	1.76	1.76	1.75	1.75	1.74
16.3125	1.74	1.73	1.73	1.73	1.72
16.3750	1.72	1.71	1.71	1.70	1.70
16.4375	1.69	1.69	1.69	1.68	1.68
16.5000	1.67	1.67	1.66	1.66	1.66
16.5625	1.65	1.65	1.64	1.64	1.63
16.6250	1.63	1.63	1.62	1.62	1.61
16.6875	1.61	1.60	1.60	1.60	1.59
16.7500	1.59	1.58	1.58	1.58	1.57
16.8125	1.57	1.56	1.56	1.55	1.55
16.8750	1.54	1.54	1.54	1.53	1.53
16.9375	1.52	1.52	1.51	1.51	1.51
17.0000	1.50	1.50	1.49	1.49	1.48
17.0625	1.48	1.47	1.47	1.47	1.46
17.1250	1.46	1.45	1.45	1.45	1.44
17.1875	1.44	1.43	1.43	1.42	1.42
17.2500	1.42	1.41	1.41	1.40	1.40
17.3125	1.39	1.39	1.39	1.38	1.38
17.3750	1.37	1.37	1.36	1.36	1.36
17.4375	1.35	1.35	1.34	1.34	1.33
17.5000	1.33	1.33	1.32	1.32	1.31
17.5625	1.31	1.30	1.30	1.30	1.29
17.6250	1.29	1.28	1.28	1.27	1.27
17.6875	1.26	1.26	1.26	1.25	1.25
17.7500	1.24	1.24	1.24	1.23	1.23
17.8125	1.22	1.22	1.21	1.21	1.20
17.8750	1.20	1.20	1.19	1.19	1.18
17.9375	1.18	1.18	1.17	1.17	1.16
18.0000	1.16	1.15	1.15	1.14	1.14
18.0625	1.14	1.13	1.13	1.12	1.12
18.1250	1.12	1.11	1.11	1.11	1.11
18.1875	1.10	1.10	1.10	1.10	1.10
18.2500	1.09	1.09	1.09	1.09	1.09
18.3125	1.09	1.09	1.08	1.08	1.08
18.3750	1.08	1.08	1.08	1.08	1.07
18.4375	1.07	1.07	1.07	1.07	1.07
18.5000	1.07	1.07	1.06	1.06	1.06
18.5625	1.06	1.06	1.06	1.06	1.05
18.6250	1.05	1.05	1.05	1.05	1.05
18.6875	1.05	1.05	1.04	1.04	1.04
18.7500	1.04	1.04	1.04	1.04	1.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.8125	1.03	1.03	1.03	1.03	1.03
18.8750	1.03	1.03	1.03	1.02	1.02
18.9375	1.02	1.02	1.02	1.02	1.02
19.0000	1.01	1.01	1.01	1.01	1.01
19.0625	1.01	1.01	1.01	1.01	1.00
19.1250	1.00	1.00	1.00	1.00	1.00
19.1875	1.00	.99	.99	.99	.99
19.2500	.99	.99	.99	.99	.98
19.3125	.98	.98	.98	.98	.98
19.3750	.98	.97	.97	.97	.97
19.4375	.97	.97	.97	.97	.97
19.5000	.96	.96	.96	.96	.96
19.5625	.96	.96	.95	.95	.95
19.6250	.95	.95	.95	.95	.95
19.6875	.94	.94	.94	.94	.94
19.7500	.94	.94	.93	.93	.93
19.8125	.93	.93	.93	.93	.93
19.8750	.93	.92	.92	.92	.92
19.9375	.92	.92	.92	.91	.91
20.0000	.91	.91	.91	.91	.91
20.0625	.91	.90	.90	.90	.90
20.1250	.90	.90	.90	.90	.89
20.1875	.89	.89	.89	.89	.89
20.2500	.89	.89	.89	.89	.89
20.3125	.89	.88	.88	.88	.88
20.3750	.88	.88	.88	.88	.87
20.4375	.87	.87	.87	.87	.87
20.5000	.87	.87	.87	.87	.87
20.5625	.86	.86	.86	.86	.86
20.6250	.86	.86	.86	.86	.86
20.6875	.85	.85	.85	.85	.85
20.7500	.85	.85	.85	.85	.84
20.8125	.84	.84	.84	.84	.84
20.8750	.84	.84	.84	.84	.84
20.9375	.83	.83	.83	.83	.83
21.0000	.83	.83	.83	.83	.83
21.0625	.83	.83	.83	.82	.82
21.1250	.82	.82	.82	.82	.82
21.1875	.82	.82	.81	.81	.81
21.2500	.81	.81	.81	.81	.81
21.3125	.81	.81	.80	.80	.80
21.3750	.80	.80	.80	.80	.80
21.4375	.80	.80	.80	.79	.79
21.5000	.79	.79	.79	.79	.79
21.5625	.79	.78	.78	.78	.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.6250	.78	.78	.78	.78	.78
21.6875	.78	.78	.78	.77	.77
21.7500	.77	.77	.77	.77	.77
21.8125	.77	.77	.77	.77	.77
21.8750	.76	.76	.76	.76	.76
21.9375	.76	.76	.76	.76	.75
22.0000	.75	.75	.75	.75	.75
22.0625	.75	.75	.75	.75	.74
22.1250	.74	.74	.74	.74	.74
22.1875	.74	.74	.74	.74	.74
22.2500	.73	.73	.73	.73	.73
22.3125	.73	.73	.73	.72	.72
22.3750	.72	.72	.72	.72	.72
22.4375	.72	.72	.72	.72	.72
22.5000	.71	.71	.71	.71	.71
22.5625	.71	.71	.71	.71	.71
22.6250	.71	.70	.70	.70	.70
22.6875	.70	.70	.70	.70	.70
22.7500	.70	.69	.69	.69	.69
22.8125	.69	.69	.69	.69	.69
22.8750	.69	.68	.68	.68	.68
22.9375	.68	.68	.68	.68	.68
23.0000	.68	.68	.67	.67	.67
23.0625	.67	.67	.67	.67	.67
23.1250	.67	.66	.66	.66	.66
23.1875	.66	.66	.66	.66	.66
23.2500	.66	.66	.65	.65	.65
23.3125	.65	.65	.65	.65	.65
23.3750	.65	.65	.64	.64	.64
23.4375	.64	.64	.64	.64	.64
23.5000	.64	.64	.64	.64	.63
23.5625	.63	.63	.63	.63	.63
23.6250	.63	.63	.63	.62	.62
23.6875	.62	.62	.62	.62	.62
23.7500	.62	.62	.62	.62	.61
23.8125	.61	.61	.61	.61	.61
23.8750	.61	.61	.61	.60	.60
23.9375	.60	.60	.60	.60	.60
24.0000	.60	.60	.59	.59	.57
24.0625	.56	.53	.50	.47	.43
24.1250	.39	.34	.30	.26	.22
24.1875	.19	.16	.14	.11	.10
24.2500	.08	.07	.06	.05	.04
24.3125	.03	.03	.02	.02	.02
24.3750	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
24.4375	.01	.00	.00	.00	.00
24.5000	.00	.00			

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-3 OUTLET

HYG Tag = 50

 Peak Discharge = 56.18 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 199454 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

11.0000	.00	.20	2.19	3.33	3.99
11.0625	4.38	4.62	4.77	4.87	4.95
11.1250	5.01	5.07	5.12	5.18	5.24
11.1875	5.30	5.36	5.43	5.49	5.56
11.2500	5.63	5.71	5.78	5.86	5.94
11.3125	6.02	6.10	6.17	6.25	6.33
11.3750	6.42	6.50	6.58	6.66	6.75
11.4375	6.83	6.91	6.99	7.08	7.16
11.5000	7.25	7.34	7.44	7.55	7.68
11.5625	7.84	8.04	8.26	8.51	8.80
11.6250	9.11	9.45	9.83	10.26	10.90
11.6875	11.60	12.23	12.86	13.50	14.16
11.7500	14.83	15.54	16.27	17.01	17.77
11.8125	18.52	19.27	20.02	20.79	21.57
11.8750	22.36	23.17	23.99	24.86	25.82
11.9375	26.94	28.26	29.93	32.15	34.45
12.0000	36.95	39.50	42.07	44.54	46.87
12.0625	49.01	50.92	52.57	53.94	55.09
12.1250	55.83	56.18	56.09	55.52	54.48
12.1875	53.14	51.44	49.49	47.42	45.30
12.2500	43.20	41.15	39.23	37.45	35.82
12.3125	34.35	33.00	31.74	30.55	29.42
12.3750	28.48	27.46	26.45	25.47	24.52
12.4375	23.61	22.70	21.81	20.91	20.02
12.5000	19.15	18.30	17.48	16.69	15.93
12.5625	15.19	14.48	13.81	13.17	12.57
12.6250	12.02	11.51	11.04	10.61	10.30
12.6875	10.05	9.79	9.53	9.29	9.07
12.7500	8.87	8.68	8.50	8.34	8.19
12.8125	8.06	7.93	7.80	7.69	7.58
12.8750	7.47	7.37	7.26	7.17	7.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.9375	6.98	6.89	6.80	6.71	6.62
13.0000	6.53	6.44	6.36	6.27	6.19
13.0625	6.11	6.04	5.96	5.89	5.83
13.1250	5.76	5.70	5.64	5.59	5.54
13.1875	5.49	5.45	5.41	5.37	5.34
13.2500	5.30	5.27	5.24	5.21	5.19
13.3125	5.16	5.13	5.11	5.08	5.06
13.3750	5.03	5.01	4.99	4.96	4.94
13.4375	4.92	4.90	4.87	4.85	4.83
13.5000	4.81	4.78	4.76	4.74	4.72
13.5625	4.69	4.67	4.65	4.63	4.61
13.6250	4.58	4.56	4.54	4.52	4.50
13.6875	4.47	4.45	4.43	4.41	4.39
13.7500	4.36	4.34	4.32	4.30	4.27
13.8125	4.25	4.23	4.21	4.19	4.17
13.8750	4.14	4.12	4.10	4.08	4.05
13.9375	4.03	4.01	3.99	3.96	3.94
14.0000	3.92	3.90	3.88	3.85	3.83
14.0625	3.81	3.79	3.77	3.75	3.73
14.1250	3.71	3.70	3.68	3.66	3.65
14.1875	3.63	3.62	3.60	3.59	3.58
14.2500	3.57	3.55	3.54	3.53	3.52
14.3125	3.51	3.50	3.48	3.47	3.46
14.3750	3.45	3.44	3.43	3.42	3.41
14.4375	3.40	3.39	3.38	3.37	3.36
14.5000	3.34	3.33	3.32	3.31	3.30
14.5625	3.29	3.28	3.27	3.26	3.25
14.6250	3.24	3.23	3.22	3.21	3.20
14.6875	3.18	3.17	3.16	3.15	3.14
14.7500	3.13	3.12	3.11	3.10	3.09
14.8125	3.08	3.07	3.06	3.05	3.04
14.8750	3.03	3.02	3.00	2.99	2.98
14.9375	2.97	2.96	2.95	2.94	2.93
15.0000	2.92	2.91	2.90	2.89	2.88
15.0625	2.87	2.86	2.85	2.83	2.82
15.1250	2.81	2.80	2.79	2.78	2.77
15.1875	2.76	2.75	2.74	2.73	2.72
15.2500	2.71	2.70	2.69	2.68	2.66
15.3125	2.65	2.64	2.63	2.62	2.61
15.3750	2.60	2.59	2.58	2.57	2.56
15.4375	2.55	2.54	2.53	2.52	2.51
15.5000	2.49	2.48	2.47	2.46	2.45
15.5625	2.44	2.43	2.42	2.41	2.40
15.6250	2.39	2.38	2.37	2.36	2.35
15.6875	2.34	2.32	2.31	2.30	2.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7500	2.28	2.27	2.26	2.25	2.24
15.8125	2.23	2.22	2.21	2.20	2.19
15.8750	2.18	2.16	2.15	2.14	2.13
15.9375	2.12	2.11	2.10	2.09	2.08
16.0000	2.07	2.06	2.05	2.04	2.03
16.0625	2.02	2.01	2.00	1.99	1.98
16.1250	1.97	1.96	1.96	1.95	1.94
16.1875	1.93	1.93	1.92	1.91	1.91
16.2500	1.90	1.90	1.89	1.89	1.88
16.3125	1.88	1.87	1.87	1.86	1.86
16.3750	1.85	1.85	1.84	1.84	1.83
16.4375	1.83	1.82	1.82	1.81	1.81
16.5000	1.80	1.80	1.79	1.79	1.79
16.5625	1.78	1.78	1.77	1.77	1.76
16.6250	1.76	1.75	1.75	1.74	1.74
16.6875	1.73	1.73	1.73	1.72	1.72
16.7500	1.71	1.71	1.70	1.70	1.69
16.8125	1.69	1.68	1.68	1.67	1.67
16.8750	1.66	1.66	1.66	1.65	1.65
16.9375	1.64	1.64	1.63	1.63	1.62
17.0000	1.62	1.61	1.61	1.60	1.60
17.0625	1.60	1.59	1.59	1.58	1.58
17.1250	1.57	1.57	1.56	1.56	1.55
17.1875	1.55	1.55	1.54	1.54	1.53
17.2500	1.53	1.52	1.52	1.51	1.51
17.3125	1.50	1.50	1.49	1.49	1.49
17.3750	1.48	1.48	1.47	1.47	1.46
17.4375	1.46	1.45	1.45	1.44	1.44
17.5000	1.43	1.43	1.42	1.42	1.42
17.5625	1.41	1.41	1.40	1.40	1.39
17.6250	1.39	1.38	1.38	1.37	1.37
17.6875	1.36	1.36	1.35	1.35	1.35
17.7500	1.34	1.34	1.33	1.33	1.32
17.8125	1.32	1.31	1.31	1.30	1.30
17.8750	1.29	1.29	1.29	1.28	1.28
17.9375	1.27	1.27	1.26	1.26	1.25
18.0000	1.25	1.24	1.24	1.23	1.23
18.0625	1.23	1.22	1.22	1.21	1.21
18.1250	1.21	1.20	1.20	1.20	1.19
18.1875	1.19	1.19	1.19	1.18	1.18
18.2500	1.18	1.18	1.18	1.18	1.17
18.3125	1.17	1.17	1.17	1.17	1.17
18.3750	1.16	1.16	1.16	1.16	1.16
18.4375	1.16	1.16	1.15	1.15	1.15
18.5000	1.15	1.15	1.15	1.15	1.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5625	1.14	1.14	1.14	1.14	1.14
18.6250	1.14	1.13	1.13	1.13	1.13
18.6875	1.13	1.13	1.13	1.13	1.12
18.7500	1.12	1.12	1.12	1.12	1.12
18.8125	1.12	1.11	1.11	1.11	1.11
18.8750	1.11	1.11	1.11	1.10	1.10
18.9375	1.10	1.10	1.10	1.10	1.10
19.0000	1.09	1.09	1.09	1.09	1.09
19.0625	1.09	1.09	1.09	1.08	1.08
19.1250	1.08	1.08	1.08	1.08	1.07
19.1875	1.07	1.07	1.07	1.07	1.07
19.2500	1.07	1.07	1.06	1.06	1.06
19.3125	1.06	1.06	1.06	1.06	1.05
19.3750	1.05	1.05	1.05	1.05	1.05
19.4375	1.05	1.04	1.04	1.04	1.04
19.5000	1.04	1.04	1.04	1.03	1.03
19.5625	1.03	1.03	1.03	1.03	1.03
19.6250	1.03	1.02	1.02	1.02	1.02
19.6875	1.02	1.02	1.02	1.01	1.01
19.7500	1.01	1.01	1.01	1.01	1.01
19.8125	1.00	1.00	1.00	1.00	1.00
19.8750	1.00	1.00	.99	.99	.99
19.9375	.99	.99	.99	.99	.98
20.0000	.98	.98	.98	.98	.98
20.0625	.98	.98	.97	.97	.97
20.1250	.97	.97	.97	.97	.96
20.1875	.96	.96	.96	.96	.96
20.2500	.96	.96	.96	.96	.96
20.3125	.95	.95	.95	.95	.95
20.3750	.95	.95	.95	.94	.94
20.4375	.94	.94	.94	.94	.94
20.5000	.94	.94	.93	.93	.93
20.5625	.93	.93	.93	.93	.93
20.6250	.93	.93	.93	.92	.92
20.6875	.92	.92	.92	.92	.92
20.7500	.91	.91	.91	.91	.91
20.8125	.91	.91	.91	.91	.91
20.8750	.91	.90	.90	.90	.90
20.9375	.90	.90	.90	.90	.90
21.0000	.90	.89	.89	.89	.89
21.0625	.89	.89	.89	.89	.89
21.1250	.89	.89	.88	.88	.88
21.1875	.88	.88	.88	.88	.88
21.2500	.87	.87	.87	.87	.87
21.3125	.87	.87	.87	.87	.87

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3750	.86	.86	.86	.86	.86
21.4375	.86	.86	.86	.86	.85
21.5000	.85	.85	.85	.85	.85
21.5625	.85	.85	.84	.84	.84
21.6250	.84	.84	.84	.84	.84
21.6875	.84	.84	.84	.83	.83
21.7500	.83	.83	.83	.83	.83
21.8125	.83	.83	.83	.83	.83
21.8750	.82	.82	.82	.82	.82
21.9375	.82	.82	.82	.81	.81
22.0000	.81	.81	.81	.81	.81
22.0625	.81	.81	.80	.80	.80
22.1250	.80	.80	.80	.80	.80
22.1875	.80	.80	.79	.79	.79
22.2500	.79	.79	.79	.79	.79
22.3125	.79	.78	.78	.78	.78
22.3750	.78	.78	.78	.78	.78
22.4375	.77	.77	.77	.77	.77
22.5000	.77	.77	.77	.77	.77
22.5625	.76	.76	.76	.76	.76
22.6250	.76	.76	.76	.76	.76
22.6875	.76	.76	.75	.75	.75
22.7500	.75	.75	.75	.75	.75
22.8125	.74	.74	.74	.74	.74
22.8750	.74	.74	.74	.74	.73
22.9375	.73	.73	.73	.73	.73
23.0000	.73	.73	.73	.73	.73
23.0625	.72	.72	.72	.72	.72
23.1250	.72	.72	.71	.71	.71
23.1875	.71	.71	.71	.71	.71
23.2500	.71	.71	.71	.70	.70
23.3125	.70	.70	.70	.70	.70
23.3750	.70	.70	.70	.69	.69
23.4375	.69	.69	.69	.69	.69
23.5000	.69	.69	.69	.68	.68
23.5625	.68	.68	.68	.68	.68
23.6250	.68	.68	.67	.67	.67
23.6875	.67	.67	.67	.67	.67
23.7500	.67	.67	.66	.66	.66
23.8125	.66	.66	.66	.66	.66
23.8750	.66	.65	.65	.65	.65
23.9375	.65	.65	.65	.65	.64
24.0000	.64	.64	.64	.63	.62
24.0625	.60	.58	.54	.51	.46
24.1250	.42	.37	.32	.28	.24

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1875	.20	.17	.15	.12	.10
24.2500	.09	.07	.06	.05	.04
24.3125	.04	.03	.03	.02	.02
24.3750	.02	.01	.01	.01	.01
24.4375	.01	.01	.00	.00	.00
24.5000	.00	.00			

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-3 OUTLET

HYG Tag = 100

 Peak Discharge = 60.37 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 218562 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	0.55	2.35	3.39	3.99
10.7625	.00	.55	2.35	3.39	3.99
10.8250	4.34	4.55	4.67	4.76	4.82
10.8875	4.86	4.90	4.93	4.95	4.98
10.9500	5.01	5.03	5.06	5.08	5.11
11.0125	5.13	5.16	5.19	5.21	5.25
11.0750	5.28	5.32	5.36	5.40	5.45
11.1375	5.49	5.55	5.60	5.66	5.73
11.2000	5.79	5.86	5.94	6.01	6.09
11.2625	6.17	6.25	6.33	6.42	6.50
11.3250	6.58	6.67	6.75	6.84	6.93
11.3875	7.02	7.11	7.20	7.28	7.37
11.4500	7.46	7.55	7.64	7.73	7.82
11.5125	7.92	8.03	8.15	8.29	8.46
11.5750	8.67	8.91	9.19	9.49	9.82
11.6375	10.19	10.70	11.35	11.96	12.57
11.7000	13.21	13.88	14.56	15.26	15.99
11.7625	16.75	17.53	18.34	19.14	19.95
11.8250	20.76	21.57	22.39	23.23	24.08
11.8875	24.95	25.84	26.77	27.80	29.00
11.9500	30.58	32.49	34.65	37.08	39.75
12.0125	42.49	45.25	47.90	50.41	52.70
12.0750	54.80	56.71	58.16	59.27	60.01
12.1375	60.37	60.27	59.66	58.54	56.97
12.2000	55.06	53.05	50.92	48.66	46.41
12.2625	44.20	42.13	40.22	38.47	36.89
12.3250	35.43	34.09	32.80	31.57	30.39
12.3875	29.29	28.33	27.33	26.32	25.34
12.4500	24.37	23.41	22.45	21.49	20.55
12.5125	19.64	18.76	17.91	17.09	16.31
12.5750	15.54	14.82	14.13	13.49	12.90
12.6375	12.35	11.85	11.39	10.98	10.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7000	10.34	10.14	9.92	9.70	9.50
12.7625	9.30	9.12	8.95	8.79	8.64
12.8250	8.51	8.38	8.25	8.13	8.02
12.8875	7.90	7.79	7.69	7.59	7.49
12.9500	7.39	7.29	7.20	7.10	7.00
13.0125	6.91	6.82	6.73	6.65	6.56
13.0750	6.48	6.40	6.32	6.25	6.18
13.1375	6.12	6.06	6.00	5.94	5.89
13.2000	5.85	5.80	5.76	5.73	5.69
13.2625	5.66	5.63	5.59	5.56	5.54
13.3250	5.51	5.48	5.45	5.43	5.40
13.3875	5.38	5.35	5.33	5.30	5.28
13.4500	5.25	5.23	5.20	5.18	5.16
13.5125	5.13	5.11	5.08	5.06	5.04
13.5750	5.01	4.99	4.97	4.94	4.92
13.6375	4.89	4.87	4.85	4.82	4.80
13.7000	4.78	4.75	4.73	4.70	4.68
13.7625	4.66	4.63	4.61	4.59	4.56
13.8250	4.54	4.52	4.49	4.47	4.44
13.8875	4.42	4.40	4.37	4.35	4.32
13.9500	4.30	4.28	4.25	4.23	4.21
14.0125	4.18	4.16	4.14	4.11	4.09
14.0750	4.07	4.05	4.03	4.00	3.99
14.1375	3.97	3.95	3.93	3.91	3.90
14.2000	3.88	3.87	3.85	3.84	3.83
14.2625	3.81	3.80	3.79	3.77	3.76
14.3250	3.75	3.74	3.73	3.71	3.70
14.3875	3.69	3.68	3.67	3.66	3.64
14.4500	3.63	3.62	3.61	3.60	3.59
14.5125	3.58	3.56	3.55	3.54	3.53
14.5750	3.52	3.51	3.50	3.48	3.47
14.6375	3.46	3.45	3.44	3.43	3.42
14.7000	3.40	3.39	3.38	3.37	3.36
14.7625	3.35	3.34	3.32	3.31	3.30
14.8250	3.29	3.28	3.27	3.26	3.25
14.8875	3.23	3.22	3.21	3.20	3.19
14.9500	3.18	3.17	3.15	3.14	3.13
15.0125	3.12	3.11	3.10	3.09	3.08
15.0750	3.06	3.05	3.04	3.03	3.02
15.1375	3.01	2.99	2.98	2.97	2.96
15.2000	2.95	2.94	2.93	2.91	2.90
15.2625	2.89	2.88	2.87	2.86	2.85
15.3250	2.83	2.82	2.81	2.80	2.79
15.3875	2.78	2.77	2.75	2.74	2.73
15.4500	2.72	2.71	2.70	2.69	2.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5125	2.66	2.65	2.64	2.63	2.62
15.5750	2.61	2.60	2.58	2.57	2.56
15.6375	2.55	2.54	2.53	2.52	2.51
15.7000	2.49	2.48	2.47	2.46	2.45
15.7625	2.44	2.42	2.41	2.40	2.39
15.8250	2.38	2.37	2.36	2.34	2.33
15.8875	2.32	2.31	2.30	2.29	2.28
15.9500	2.26	2.25	2.24	2.23	2.22
16.0125	2.21	2.20	2.19	2.17	2.16
16.0750	2.15	2.14	2.13	2.13	2.12
16.1375	2.11	2.10	2.09	2.08	2.07
16.2000	2.07	2.06	2.05	2.05	2.04
16.2625	2.03	2.03	2.02	2.02	2.01
16.3250	2.01	2.00	2.00	1.99	1.99
16.3875	1.98	1.98	1.97	1.97	1.96
16.4500	1.95	1.95	1.94	1.94	1.93
16.5125	1.93	1.92	1.92	1.92	1.91
16.5750	1.91	1.90	1.90	1.89	1.89
16.6375	1.88	1.87	1.87	1.86	1.86
16.7000	1.85	1.85	1.85	1.84	1.84
16.7625	1.83	1.83	1.82	1.82	1.81
16.8250	1.81	1.80	1.80	1.79	1.79
16.8875	1.78	1.78	1.77	1.77	1.76
16.9500	1.76	1.75	1.75	1.74	1.74
17.0125	1.73	1.73	1.72	1.72	1.71
17.0750	1.71	1.70	1.70	1.69	1.69
17.1375	1.68	1.68	1.67	1.67	1.66
17.2000	1.66	1.65	1.65	1.64	1.64
17.2625	1.63	1.63	1.62	1.62	1.61
17.3250	1.61	1.60	1.60	1.59	1.59
17.3875	1.58	1.58	1.57	1.57	1.56
17.4500	1.56	1.55	1.55	1.54	1.54
17.5125	1.53	1.53	1.52	1.52	1.51
17.5750	1.51	1.50	1.50	1.49	1.49
17.6375	1.48	1.48	1.47	1.47	1.46
17.7000	1.46	1.45	1.45	1.44	1.44
17.7625	1.43	1.43	1.42	1.42	1.41
17.8250	1.41	1.40	1.40	1.39	1.39
17.8875	1.38	1.38	1.37	1.37	1.36
17.9500	1.36	1.35	1.35	1.34	1.34
18.0125	1.33	1.33	1.32	1.32	1.31
18.0750	1.31	1.30	1.30	1.30	1.29
18.1375	1.29	1.29	1.28	1.28	1.28
18.2000	1.27	1.27	1.27	1.27	1.27
18.2625	1.26	1.26	1.26	1.26	1.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3250	1.26	1.25	1.25	1.25	1.25
18.3875	1.25	1.25	1.24	1.24	1.24
18.4500	1.24	1.24	1.24	1.24	1.23
18.5125	1.23	1.23	1.23	1.23	1.23
18.5750	1.22	1.22	1.22	1.22	1.22
18.6375	1.22	1.22	1.21	1.21	1.21
18.7000	1.21	1.21	1.21	1.21	1.20
18.7625	1.20	1.20	1.20	1.20	1.20
18.8250	1.19	1.19	1.19	1.19	1.19
18.8875	1.19	1.19	1.18	1.18	1.18
18.9500	1.18	1.18	1.18	1.17	1.17
19.0125	1.17	1.17	1.17	1.17	1.17
19.0750	1.17	1.16	1.16	1.16	1.16
19.1375	1.16	1.16	1.15	1.15	1.15
19.2000	1.15	1.15	1.15	1.15	1.14
19.2625	1.14	1.14	1.14	1.14	1.14
19.3250	1.14	1.13	1.13	1.13	1.13
19.3875	1.13	1.13	1.12	1.12	1.12
19.4500	1.12	1.12	1.12	1.12	1.11
19.5125	1.11	1.11	1.11	1.11	1.11
19.5750	1.10	1.10	1.10	1.10	1.10
19.6375	1.10	1.10	1.10	1.09	1.09
19.7000	1.09	1.09	1.09	1.09	1.08
19.7625	1.08	1.08	1.08	1.08	1.08
19.8250	1.08	1.07	1.07	1.07	1.07
19.8875	1.07	1.07	1.07	1.06	1.06
19.9500	1.06	1.06	1.06	1.06	1.05
20.0125	1.05	1.05	1.05	1.05	1.05
20.0750	1.05	1.04	1.04	1.04	1.04
20.1375	1.04	1.04	1.04	1.03	1.03
20.2000	1.03	1.03	1.03	1.03	1.03
20.2625	1.03	1.03	1.03	1.02	1.02
20.3250	1.02	1.02	1.02	1.02	1.02
20.3875	1.02	1.01	1.01	1.01	1.01
20.4500	1.01	1.01	1.01	1.01	1.00
20.5125	1.00	1.00	1.00	1.00	1.00
20.5750	1.00	1.00	1.00	1.00	.99
20.6375	.99	.99	.99	.99	.99
20.7000	.99	.99	.98	.98	.98
20.7625	.98	.98	.98	.98	.98
20.8250	.97	.97	.97	.97	.97
20.8875	.97	.97	.97	.97	.97
20.9500	.96	.96	.96	.96	.96
21.0125	.96	.96	.96	.96	.96
21.0750	.96	.95	.95	.95	.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1375	.95	.95	.95	.95	.94
21.2000	.94	.94	.94	.94	.94
21.2625	.94	.94	.93	.93	.93
21.3250	.93	.93	.93	.93	.93
21.3875	.93	.92	.92	.92	.92
21.4500	.92	.92	.92	.92	.92
21.5125	.91	.91	.91	.91	.91
21.5750	.91	.91	.90	.90	.90
21.6375	.90	.90	.90	.90	.90
21.7000	.90	.90	.90	.89	.89
21.7625	.89	.89	.89	.89	.89
21.8250	.89	.89	.89	.88	.88
21.8875	.88	.88	.88	.88	.88
21.9500	.88	.87	.87	.87	.87
22.0125	.87	.87	.87	.87	.86
22.0750	.86	.86	.86	.86	.86
22.1375	.86	.86	.86	.86	.85
22.2000	.85	.85	.85	.85	.85
22.2625	.85	.85	.85	.84	.84
22.3250	.84	.84	.84	.84	.84
22.3875	.83	.83	.83	.83	.83
22.4500	.83	.83	.83	.83	.83
22.5125	.82	.82	.82	.82	.82
22.5750	.82	.82	.82	.82	.82
22.6375	.81	.81	.81	.81	.81
22.7000	.81	.81	.81	.81	.80
22.7625	.80	.80	.80	.80	.80
22.8250	.80	.80	.79	.79	.79
22.8875	.79	.79	.79	.79	.79
22.9500	.79	.78	.78	.78	.78
23.0125	.78	.78	.78	.78	.78
23.0750	.77	.77	.77	.77	.77
23.1375	.77	.77	.76	.76	.76
23.2000	.76	.76	.76	.76	.76
23.2625	.76	.76	.76	.75	.75
23.3250	.75	.75	.75	.75	.75
23.3875	.75	.75	.74	.74	.74
23.4500	.74	.74	.74	.74	.74
23.5125	.74	.74	.73	.73	.73
23.5750	.73	.73	.73	.73	.73
23.6375	.72	.72	.72	.72	.72
23.7000	.72	.72	.72	.72	.71
23.7625	.71	.71	.71	.71	.71
23.8250	.71	.71	.71	.70	.70
23.8875	.70	.70	.70	.70	.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
23.9500	.69	.69	.69	.69	.69
24.0125	.69	.68	.68	.66	.65
24.0750	.62	.58	.54	.50	.45
24.1375	.40	.35	.30	.26	.22
24.2000	.19	.16	.13	.11	.09
24.2625	.08	.07	.06	.05	.04
24.3250	.03	.03	.02	.02	.02
24.3875	.01	.01	.01	.01	.01
24.4500	.01	.00	.00	.00	.00
24.5125	.00	.00			

Type... Outlet Input Data
Name... WQB CC-4 Outlet

File... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 250.00 ft
Increment = .10 ft
Max. Elev.= 260.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.	Outfall	E1, ft	E2, ft
----- Weir-Rectangular TW SETUP, DS Channel	W1	---> TW	259.000	260.000

Type.... Outlet Input Data
Name.... WQB CC-4 Outlet

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

OUTLET STRUCTURE INPUT DATA

Structure ID = W1
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 259.00 ft
Weir Length = 100.00 ft
Weir Coeff. = 3.300000

Weir TW effects (Use adjustment equation)

Structure ID = TW
Structure Type = TW SETUP, DS Channel

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...
Maximum Iterations= 30
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .10 cfs
Max. Q tolerance = .10 cfs

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-4 OUTLET

HYG Tag = 2

 Peak Discharge = 57.91 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 174573 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
12.0875	.00	.63	22.02	40.76	50.08
12.1500	54.21	56.49	57.56	57.91	57.88
12.2125	57.52	56.76	55.82	54.68	53.42
12.2750	52.08	50.61	49.04	47.45	45.85
12.3375	44.25	42.69	41.22	39.79	38.43
12.4000	37.13	35.87	34.64	33.46	32.29
12.4625	31.15	30.04	29.05	28.11	27.11
12.5250	26.10	25.10	24.10	23.13	22.19
12.5875	21.27	20.39	19.54	18.72	17.93
12.6500	17.18	16.47	15.81	15.18	14.60
12.7125	14.07	13.56	13.10	12.67	12.27
12.7750	11.90	11.57	11.26	10.97	10.70
12.8375	10.46	10.31	10.14	9.97	9.80
12.9000	9.63	9.46	9.29	9.13	8.98
12.9625	8.83	8.69	8.56	8.42	8.30
13.0250	8.17	8.05	7.93	7.82	7.71
13.0875	7.60	7.50	7.39	7.30	7.20
13.1500	7.11	7.03	6.95	6.87	6.80
13.2125	6.73	6.66	6.60	6.54	6.48
13.2750	6.43	6.38	6.33	6.29	6.25
13.3375	6.21	6.17	6.13	6.10	6.06
13.4000	6.03	6.00	5.96	5.93	5.90
13.4625	5.87	5.84	5.81	5.79	5.76
13.5250	5.73	5.70	5.68	5.65	5.62
13.5875	5.59	5.57	5.54	5.51	5.49
13.6500	5.46	5.44	5.41	5.38	5.36
13.7125	5.33	5.31	5.28	5.25	5.23
13.7750	5.20	5.18	5.15	5.13	5.10
13.8375	5.07	5.05	5.02	5.00	4.97
13.9000	4.95	4.92	4.90	4.87	4.84
13.9625	4.82	4.79	4.77	4.74	4.72

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.0250	4.69	4.66	4.64	4.61	4.59
14.0875	4.56	4.54	4.51	4.49	4.47
14.1500	4.44	4.42	4.40	4.38	4.36
14.2125	4.34	4.32	4.30	4.28	4.27
14.2750	4.25	4.23	4.22	4.20	4.19
14.3375	4.17	4.16	4.14	4.13	4.12
14.4000	4.10	4.09	4.07	4.06	4.05
14.4625	4.03	4.02	4.01	4.00	3.98
14.5250	3.97	3.96	3.95	3.93	3.92
14.5875	3.91	3.90	3.88	3.87	3.86
14.6500	3.85	3.83	3.82	3.81	3.80
14.7125	3.78	3.77	3.76	3.75	3.73
14.7750	3.72	3.71	3.70	3.68	3.67
14.8375	3.66	3.65	3.63	3.62	3.61
14.9000	3.60	3.59	3.57	3.56	3.55
14.9625	3.54	3.52	3.51	3.50	3.49
15.0250	3.47	3.46	3.45	3.44	3.42
15.0875	3.41	3.40	3.39	3.37	3.36
15.1500	3.35	3.34	3.32	3.31	3.30
15.2125	3.29	3.28	3.26	3.25	3.24
15.2750	3.23	3.21	3.20	3.19	3.18
15.3375	3.16	3.15	3.14	3.13	3.11
15.4000	3.10	3.09	3.08	3.06	3.05
15.4625	3.04	3.03	3.02	3.00	2.99
15.5250	2.98	2.97	2.95	2.94	2.93
15.5875	2.92	2.90	2.89	2.88	2.87
15.6500	2.85	2.84	2.83	2.82	2.80
15.7125	2.79	2.78	2.77	2.75	2.74
15.7750	2.73	2.72	2.70	2.69	2.68
15.8375	2.67	2.65	2.64	2.63	2.62
15.9000	2.60	2.59	2.58	2.57	2.55
15.9625	2.54	2.53	2.52	2.50	2.49
16.0250	2.48	2.47	2.45	2.44	2.43
16.0875	2.42	2.41	2.40	2.39	2.37
16.1500	2.36	2.35	2.34	2.33	2.32
16.2125	2.31	2.31	2.30	2.29	2.28
16.2750	2.27	2.26	2.26	2.25	2.24
16.3375	2.24	2.23	2.22	2.22	2.21
16.4000	2.20	2.20	2.19	2.19	2.18
16.4625	2.17	2.17	2.16	2.16	2.15
16.5250	2.14	2.14	2.13	2.13	2.12
16.5875	2.12	2.11	2.11	2.10	2.09
16.6500	2.09	2.08	2.08	2.07	2.07
16.7125	2.06	2.06	2.05	2.05	2.04
16.7750	2.03	2.03	2.02	2.02	2.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.8375	2.01	2.00	2.00	1.99	1.99
16.9000	1.98	1.97	1.97	1.96	1.96
16.9625	1.95	1.95	1.94	1.94	1.93
17.0250	1.93	1.92	1.92	1.91	1.90
17.0875	1.90	1.89	1.89	1.88	1.88
17.1500	1.87	1.87	1.86	1.86	1.85
17.2125	1.84	1.84	1.83	1.83	1.82
17.2750	1.82	1.81	1.81	1.80	1.80
17.3375	1.79	1.78	1.78	1.77	1.77
17.4000	1.76	1.76	1.75	1.75	1.74
17.4625	1.74	1.73	1.73	1.72	1.71
17.5250	1.71	1.70	1.70	1.69	1.69
17.5875	1.68	1.68	1.67	1.67	1.66
17.6500	1.65	1.65	1.64	1.64	1.63
17.7125	1.63	1.62	1.62	1.61	1.61
17.7750	1.60	1.59	1.59	1.58	1.58
17.8375	1.57	1.57	1.56	1.56	1.55
17.9000	1.55	1.54	1.53	1.53	1.52
17.9625	1.52	1.51	1.51	1.50	1.50
18.0250	1.49	1.49	1.48	1.48	1.47
18.0875	1.46	1.46	1.45	1.45	1.44
18.1500	1.44	1.43	1.43	1.43	1.42
18.2125	1.42	1.42	1.41	1.41	1.41
18.2750	1.40	1.40	1.40	1.40	1.39
18.3375	1.39	1.39	1.39	1.38	1.38
18.4000	1.38	1.38	1.38	1.37	1.37
18.4625	1.37	1.37	1.37	1.37	1.36
18.5250	1.36	1.36	1.36	1.36	1.35
18.5875	1.35	1.35	1.35	1.35	1.35
18.6500	1.34	1.34	1.34	1.34	1.34
18.7125	1.34	1.34	1.33	1.33	1.33
18.7750	1.33	1.33	1.33	1.32	1.32
18.8375	1.32	1.32	1.32	1.32	1.31
18.9000	1.31	1.31	1.31	1.31	1.31
18.9625	1.30	1.30	1.30	1.30	1.30
19.0250	1.30	1.29	1.29	1.29	1.29
19.0875	1.29	1.29	1.28	1.28	1.28
19.1500	1.28	1.28	1.28	1.27	1.27
19.2125	1.27	1.27	1.27	1.27	1.27
19.2750	1.26	1.26	1.26	1.26	1.26
19.3375	1.26	1.25	1.25	1.25	1.25
19.4000	1.25	1.25	1.24	1.24	1.24
19.4625	1.24	1.24	1.24	1.23	1.23
19.5250	1.23	1.23	1.23	1.23	1.22
19.5875	1.22	1.22	1.22	1.22	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.6500	1.21	1.21	1.21	1.21	1.21
19.7125	1.21	1.20	1.20	1.20	1.20
19.7750	1.20	1.20	1.19	1.19	1.19
19.8375	1.19	1.19	1.19	1.19	1.18
19.9000	1.18	1.18	1.18	1.18	1.18
19.9625	1.17	1.17	1.17	1.17	1.17
20.0250	1.17	1.16	1.16	1.16	1.16
20.0875	1.16	1.16	1.15	1.15	1.15
20.1500	1.15	1.15	1.15	1.14	1.14
20.2125	1.14	1.14	1.14	1.14	1.14
20.2750	1.14	1.13	1.13	1.13	1.13
20.3375	1.13	1.13	1.13	1.13	1.12
20.4000	1.12	1.12	1.12	1.12	1.12
20.4625	1.12	1.12	1.11	1.11	1.11
20.5250	1.11	1.11	1.11	1.11	1.11
20.5875	1.10	1.10	1.10	1.10	1.10
20.6500	1.10	1.10	1.10	1.09	1.09
20.7125	1.09	1.09	1.09	1.09	1.09
20.7750	1.08	1.08	1.08	1.08	1.08
20.8375	1.08	1.08	1.08	1.07	1.07
20.9000	1.07	1.07	1.07	1.07	1.07
20.9625	1.07	1.07	1.06	1.06	1.06
21.0250	1.06	1.06	1.06	1.06	1.06
21.0875	1.06	1.05	1.05	1.05	1.05
21.1500	1.05	1.05	1.05	1.05	1.04
21.2125	1.04	1.04	1.04	1.04	1.04
21.2750	1.04	1.04	1.03	1.03	1.03
21.3375	1.03	1.03	1.03	1.03	1.03
21.4000	1.02	1.02	1.02	1.02	1.02
21.4625	1.02	1.02	1.02	1.01	1.01
21.5250	1.01	1.01	1.01	1.01	1.01
21.5875	1.00	1.00	1.00	1.00	1.00
21.6500	1.00	1.00	1.00	1.00	.99
21.7125	.99	.99	.99	.99	.99
21.7750	.99	.99	.98	.98	.98
21.8375	.98	.98	.98	.98	.98
21.9000	.98	.98	.97	.97	.97
21.9625	.97	.97	.97	.97	.96
22.0250	.96	.96	.96	.96	.96
22.0875	.96	.96	.95	.95	.95
22.1500	.95	.95	.95	.95	.95
22.2125	.94	.94	.94	.94	.94
22.2750	.94	.94	.94	.93	.93
22.3375	.93	.93	.93	.93	.93
22.4000	.93	.92	.92	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4625	.92	.92	.92	.92	.91
22.5250	.91	.91	.91	.91	.91
22.5875	.91	.91	.91	.90	.90
22.6500	.90	.90	.90	.90	.90
22.7125	.90	.90	.89	.89	.89
22.7750	.89	.89	.89	.89	.89
22.8375	.88	.88	.88	.88	.88
22.9000	.88	.88	.87	.87	.87
22.9625	.87	.87	.87	.87	.87
23.0250	.87	.86	.86	.86	.86
23.0875	.86	.86	.86	.85	.85
23.1500	.85	.85	.85	.85	.85
23.2125	.85	.84	.84	.84	.84
23.2750	.84	.84	.84	.84	.83
23.3375	.83	.83	.83	.83	.83
23.4000	.83	.83	.83	.82	.82
23.4625	.82	.82	.82	.82	.82
23.5250	.82	.82	.81	.81	.81
23.5875	.81	.81	.81	.81	.81
23.6500	.80	.80	.80	.80	.80
23.7125	.80	.80	.79	.79	.79
23.7750	.79	.79	.79	.79	.79
23.8375	.79	.78	.78	.78	.78
23.9000	.78	.78	.78	.77	.77
23.9625	.77	.77	.77	.77	.77
24.0250	.76	.76	.75	.74	.73
24.0875	.71	.70	.67	.64	.61
24.1500	.58	.54	.51	.47	.43
24.2125	.39	.36	.32	.29	.26
24.2750	.23	.21	.19	.16	.15
24.3375	.13	.12	.10	.09	.08
24.4000	.07	.06	.06	.05	.04
24.4625	.04	.04	.03	.03	.02
24.5250	.02	.02	.02	.01	.01
24.5875	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7125	.00	.00	.00	.00	.00

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-4 OUTLET

HYG Tag = 10

Peak Discharge = 95.42 cfs
Time to Peak = 12.1875 hrs
HYG Volume = 356575 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	0.00	2.54	5.94	8.28	9.92
11.4875	.00	2.54	5.94	8.28	9.92
11.5500	11.48	12.66	13.36	13.85	14.27
11.6125	14.67	15.10	15.57	16.08	16.64
11.6750	17.26	17.93	18.67	19.48	20.34
11.7375	21.26	22.24	23.26	24.33	25.43
11.8000	26.58	27.78	29.01	30.42	31.87
11.8625	33.24	34.60	35.95	37.37	38.87
11.9250	40.43	42.15	44.07	46.12	48.45
11.9875	51.09	53.92	57.38	60.90	64.44
12.0500	68.06	71.72	75.31	78.80	82.20
12.1125	85.46	88.32	90.84	92.76	94.21
12.1750	95.19	95.42	95.17	94.42	93.04
12.2375	91.38	89.41	87.10	84.68	82.24
12.3000	79.71	77.07	74.42	71.76	69.19
12.3625	66.77	64.43	62.19	60.07	58.00
12.4250	55.99	54.06	52.34	50.54	48.75
12.4875	46.97	45.23	43.51	41.82	40.16
12.5500	38.53	36.95	35.44	33.96	32.54
12.6125	31.17	29.85	28.74	27.66	26.57
12.6750	25.52	24.52	23.58	22.71	21.90
12.7375	21.14	20.45	19.80	19.21	18.66
12.8000	18.16	17.69	17.26	16.86	16.49
12.8625	16.14	15.81	15.50	15.21	14.93
12.9250	14.67	14.42	14.18	13.95	13.73
12.9875	13.52	13.31	13.11	12.92	12.73
13.0500	12.54	12.37	12.19	12.03	11.87
13.1125	11.71	11.56	11.41	11.27	11.14
13.1750	11.02	10.90	10.79	10.68	10.58
13.2375	10.49	10.41	10.36	10.30	10.23
13.3000	10.17	10.10	10.04	9.97	9.91
13.3625	9.86	9.80	9.74	9.69	9.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.4250	9.59	9.54	9.49	9.44	9.39
13.4875	9.34	9.30	9.25	9.21	9.16
13.5500	9.12	9.07	9.03	8.99	8.94
13.6125	8.90	8.86	8.82	8.77	8.73
13.6750	8.69	8.65	8.61	8.56	8.52
13.7375	8.48	8.44	8.40	8.35	8.31
13.8000	8.27	8.23	8.19	8.15	8.11
13.8625	8.06	8.02	7.98	7.94	7.90
13.9250	7.86	7.82	7.77	7.73	7.69
13.9875	7.65	7.61	7.57	7.52	7.48
14.0500	7.44	7.40	7.36	7.32	7.28
14.1125	7.24	7.20	7.17	7.13	7.09
14.1750	7.06	7.03	6.99	6.96	6.93
14.2375	6.90	6.87	6.84	6.82	6.79
14.3000	6.76	6.74	6.71	6.69	6.67
14.3625	6.64	6.62	6.60	6.58	6.55
14.4250	6.53	6.51	6.49	6.47	6.45
14.4875	6.43	6.41	6.39	6.36	6.34
14.5500	6.32	6.30	6.28	6.26	6.24
14.6125	6.22	6.20	6.18	6.16	6.14
14.6750	6.12	6.10	6.08	6.06	6.04
14.7375	6.02	6.00	5.98	5.96	5.94
14.8000	5.92	5.90	5.88	5.86	5.84
14.8625	5.82	5.80	5.78	5.76	5.74
14.9250	5.72	5.70	5.68	5.66	5.64
14.9875	5.62	5.60	5.58	5.56	5.54
15.0500	5.52	5.50	5.48	5.46	5.44
15.1125	5.42	5.40	5.38	5.36	5.34
15.1750	5.32	5.30	5.28	5.26	5.24
15.2375	5.22	5.20	5.18	5.16	5.14
15.3000	5.13	5.11	5.09	5.07	5.05
15.3625	5.03	5.01	4.99	4.97	4.95
15.4250	4.93	4.91	4.89	4.87	4.85
15.4875	4.83	4.81	4.79	4.77	4.75
15.5500	4.73	4.71	4.69	4.67	4.65
15.6125	4.63	4.61	4.59	4.57	4.55
15.6750	4.53	4.51	4.49	4.47	4.45
15.7375	4.43	4.41	4.39	4.37	4.35
15.8000	4.33	4.31	4.29	4.27	4.25
15.8625	4.23	4.21	4.19	4.17	4.15
15.9250	4.13	4.11	4.09	4.07	4.05
15.9875	4.03	4.01	3.99	3.97	3.95
16.0500	3.93	3.91	3.89	3.87	3.85
16.1125	3.83	3.82	3.80	3.78	3.76
16.1750	3.75	3.73	3.72	3.70	3.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.2375	3.67	3.66	3.65	3.63	3.62
16.3000	3.61	3.60	3.59	3.57	3.56
16.3625	3.55	3.54	3.53	3.52	3.51
16.4250	3.50	3.49	3.48	3.47	3.47
16.4875	3.46	3.45	3.44	3.43	3.42
16.5500	3.41	3.40	3.39	3.38	3.38
16.6125	3.37	3.36	3.35	3.34	3.33
16.6750	3.32	3.31	3.30	3.30	3.29
16.7375	3.28	3.27	3.26	3.25	3.24
16.8000	3.24	3.23	3.22	3.21	3.20
16.8625	3.19	3.18	3.17	3.16	3.16
16.9250	3.15	3.14	3.13	3.12	3.11
16.9875	3.10	3.10	3.09	3.08	3.07
17.0500	3.06	3.05	3.04	3.03	3.03
17.1125	3.02	3.01	3.00	2.99	2.98
17.1750	2.97	2.97	2.96	2.95	2.94
17.2375	2.93	2.92	2.91	2.90	2.90
17.3000	2.89	2.88	2.87	2.86	2.85
17.3625	2.84	2.84	2.83	2.82	2.81
17.4250	2.80	2.79	2.78	2.77	2.77
17.4875	2.76	2.75	2.74	2.73	2.72
17.5500	2.71	2.70	2.70	2.69	2.68
17.6125	2.67	2.66	2.65	2.64	2.63
17.6750	2.63	2.62	2.61	2.60	2.59
17.7375	2.58	2.57	2.56	2.56	2.55
17.8000	2.54	2.53	2.52	2.51	2.50
17.8625	2.50	2.49	2.48	2.47	2.46
17.9250	2.45	2.44	2.43	2.43	2.42
17.9875	2.41	2.40	2.39	2.38	2.37
18.0500	2.36	2.36	2.35	2.34	2.33
18.1125	2.32	2.31	2.31	2.30	2.29
18.1750	2.29	2.28	2.27	2.27	2.26
18.2375	2.26	2.25	2.25	2.24	2.24
18.3000	2.23	2.23	2.23	2.22	2.22
18.3625	2.21	2.21	2.21	2.20	2.20
18.4250	2.20	2.19	2.19	2.19	2.19
18.4875	2.18	2.18	2.18	2.17	2.17
18.5500	2.17	2.17	2.16	2.16	2.16
18.6125	2.16	2.15	2.15	2.15	2.15
18.6750	2.14	2.14	2.14	2.13	2.13
18.7375	2.13	2.13	2.12	2.12	2.12
18.8000	2.12	2.11	2.11	2.11	2.11
18.8625	2.10	2.10	2.10	2.10	2.09
18.9250	2.09	2.09	2.09	2.08	2.08
18.9875	2.08	2.07	2.07	2.07	2.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.0500	2.06	2.06	2.06	2.06	2.05
19.1125	2.05	2.05	2.05	2.04	2.04
19.1750	2.04	2.04	2.03	2.03	2.03
19.2375	2.02	2.02	2.02	2.02	2.01
19.3000	2.01	2.01	2.01	2.00	2.00
19.3625	2.00	2.00	1.99	1.99	1.99
19.4250	1.99	1.98	1.98	1.98	1.98
19.4875	1.97	1.97	1.97	1.97	1.96
19.5500	1.96	1.96	1.95	1.95	1.95
19.6125	1.95	1.94	1.94	1.94	1.94
19.6750	1.93	1.93	1.93	1.93	1.92
19.7375	1.92	1.92	1.92	1.91	1.91
19.8000	1.91	1.90	1.90	1.90	1.90
19.8625	1.89	1.89	1.89	1.89	1.88
19.9250	1.88	1.88	1.88	1.87	1.87
19.9875	1.87	1.87	1.86	1.86	1.86
20.0500	1.86	1.85	1.85	1.85	1.85
20.1125	1.84	1.84	1.84	1.83	1.83
20.1750	1.83	1.83	1.82	1.82	1.82
20.2375	1.82	1.82	1.81	1.81	1.81
20.3000	1.81	1.81	1.81	1.80	1.80
20.3625	1.80	1.80	1.79	1.79	1.79
20.4250	1.79	1.79	1.78	1.78	1.78
20.4875	1.78	1.78	1.77	1.77	1.77
20.5500	1.77	1.77	1.76	1.76	1.76
20.6125	1.76	1.76	1.75	1.75	1.75
20.6750	1.75	1.75	1.74	1.74	1.74
20.7375	1.74	1.73	1.73	1.73	1.73
20.8000	1.73	1.72	1.72	1.72	1.72
20.8625	1.72	1.71	1.71	1.71	1.71
20.9250	1.71	1.71	1.70	1.70	1.70
20.9875	1.70	1.70	1.69	1.69	1.69
21.0500	1.69	1.69	1.69	1.68	1.68
21.1125	1.68	1.68	1.68	1.67	1.67
21.1750	1.67	1.67	1.67	1.66	1.66
21.2375	1.66	1.66	1.66	1.65	1.65
21.3000	1.65	1.65	1.65	1.64	1.64
21.3625	1.64	1.64	1.64	1.63	1.63
21.4250	1.63	1.63	1.63	1.62	1.62
21.4875	1.62	1.62	1.62	1.61	1.61
21.5500	1.61	1.61	1.61	1.60	1.60
21.6125	1.60	1.60	1.59	1.59	1.59
21.6750	1.59	1.59	1.59	1.58	1.58
21.7375	1.58	1.58	1.58	1.57	1.57
21.8000	1.57	1.57	1.57	1.57	1.56

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.8625	1.56	1.56	1.56	1.56	1.56
21.9250	1.55	1.55	1.55	1.55	1.55
21.9875	1.54	1.54	1.54	1.54	1.53
22.0500	1.53	1.53	1.53	1.53	1.52
22.1125	1.52	1.52	1.52	1.52	1.51
22.1750	1.51	1.51	1.51	1.51	1.50
22.2375	1.50	1.50	1.50	1.50	1.50
22.3000	1.49	1.49	1.49	1.49	1.48
22.3625	1.48	1.48	1.48	1.48	1.47
22.4250	1.47	1.47	1.47	1.47	1.46
22.4875	1.46	1.46	1.46	1.46	1.45
22.5500	1.45	1.45	1.45	1.45	1.45
22.6125	1.44	1.44	1.44	1.44	1.44
22.6750	1.43	1.43	1.43	1.43	1.43
22.7375	1.43	1.42	1.42	1.42	1.42
22.8000	1.42	1.41	1.41	1.41	1.41
22.8625	1.40	1.40	1.40	1.40	1.40
22.9250	1.39	1.39	1.39	1.39	1.39
22.9875	1.39	1.38	1.38	1.38	1.38
23.0500	1.38	1.37	1.37	1.37	1.37
23.1125	1.37	1.36	1.36	1.36	1.36
23.1750	1.35	1.35	1.35	1.35	1.35
23.2375	1.34	1.34	1.34	1.34	1.34
23.3000	1.33	1.33	1.33	1.33	1.33
23.3625	1.33	1.32	1.32	1.32	1.32
23.4250	1.32	1.31	1.31	1.31	1.31
23.4875	1.31	1.31	1.30	1.30	1.30
23.5500	1.30	1.30	1.29	1.29	1.29
23.6125	1.29	1.29	1.28	1.28	1.28
23.6750	1.28	1.28	1.27	1.27	1.27
23.7375	1.27	1.27	1.26	1.26	1.26
23.8000	1.26	1.26	1.25	1.25	1.25
23.8625	1.25	1.25	1.24	1.24	1.24
23.9250	1.24	1.24	1.23	1.23	1.23
23.9875	1.23	1.22	1.22	1.21	1.21
24.0500	1.20	1.18	1.16	1.14	1.11
24.1125	1.07	1.03	.98	.92	.87
24.1750	.81	.75	.69	.63	.57
24.2375	.52	.46	.42	.37	.33
24.3000	.30	.26	.23	.21	.18
24.3625	.16	.15	.13	.12	.10
24.4250	.09	.08	.07	.06	.06
24.4875	.05	.04	.04	.03	.03
24.5500	.03	.02	.02	.02	.02
24.6125	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
24.6750	.01	.01	.01	.00	.00
24.7375	.00	.00	.00	.00	

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-4 OUTLET

HYG Tag = 25

 Peak Discharge = 113.93 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 448246 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
10.9500	.00	.46	3.65	5.80	7.26
11.0125	8.26	8.95	9.42	9.76	10.01
11.0750	10.20	10.35	10.49	10.65	10.77
11.1375	10.87	10.97	11.06	11.16	11.27
11.2000	11.38	11.49	11.62	11.75	11.88
11.2625	12.02	12.16	12.31	12.46	12.61
11.3250	12.77	12.94	13.10	13.27	13.44
11.3875	13.61	13.78	13.95	14.13	14.31
11.4500	14.49	14.67	14.85	15.03	15.22
11.5125	15.41	15.62	15.84	16.08	16.36
11.5750	16.65	16.98	17.37	17.80	18.28
11.6375	18.84	19.44	20.11	20.85	21.66
11.7000	22.55	23.52	24.55	25.66	26.83
11.7625	28.05	29.34	30.88	32.39	33.89
11.8250	35.39	36.92	38.47	40.05	41.64
11.8875	43.26	44.94	46.74	48.60	50.65
11.9500	52.94	55.52	58.53	61.77	65.21
12.0125	69.00	73.05	77.23	81.53	86.07
12.0750	90.54	94.71	98.76	102.42	105.65
12.1375	108.59	110.85	112.55	113.69	113.93
12.2000	113.62	112.70	111.03	109.04	106.66
12.2625	103.89	100.99	97.94	94.76	91.56
12.3250	88.37	85.19	82.22	79.49	76.73
12.3875	74.07	71.54	69.07	66.67	64.35
12.4500	62.06	59.85	57.68	55.56	53.56
12.5125	51.67	49.72	47.77	45.84	43.96
12.5750	42.16	40.39	38.70	37.07	35.49
12.6375	34.00	32.57	31.22	29.97	28.90
12.7000	27.91	26.95	26.01	25.12	24.30
12.7625	23.54	22.83	22.18	21.58	21.03
12.8250	20.51	20.04	19.59	19.18	18.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.8875	18.42	18.07	17.74	17.43	17.13
12.9500	16.84	16.57	16.31	16.06	15.82
13.0125	15.58	15.35	15.12	14.90	14.69
13.0750	14.49	14.29	14.10	13.91	13.73
13.1375	13.56	13.39	13.24	13.09	12.95
13.2000	12.82	12.69	12.57	12.46	12.35
13.2625	12.25	12.16	12.07	11.99	11.91
13.3250	11.83	11.76	11.69	11.62	11.56
13.3875	11.49	11.43	11.37	11.31	11.25
13.4500	11.20	11.14	11.09	11.03	10.98
13.5125	10.92	10.87	10.82	10.77	10.71
13.5750	10.66	10.61	10.56	10.51	10.46
13.6375	10.42	10.39	10.35	10.30	10.26
13.7000	10.21	10.16	10.11	10.07	10.02
13.7625	9.97	9.92	9.87	9.82	9.77
13.8250	9.72	9.67	9.62	9.57	9.52
13.8875	9.48	9.43	9.38	9.33	9.28
13.9500	9.23	9.18	9.13	9.08	9.03
14.0125	8.98	8.93	8.88	8.83	8.79
14.0750	8.74	8.69	8.64	8.60	8.55
14.1375	8.51	8.46	8.42	8.38	8.34
14.2000	8.30	8.26	8.23	8.19	8.16
14.2625	8.12	8.09	8.06	8.03	8.00
14.3250	7.97	7.94	7.91	7.88	7.86
14.3875	7.83	7.80	7.78	7.75	7.73
14.4500	7.70	7.68	7.65	7.63	7.60
14.5125	7.58	7.55	7.53	7.51	7.48
14.5750	7.46	7.43	7.41	7.38	7.36
14.6375	7.34	7.31	7.29	7.27	7.24
14.7000	7.22	7.19	7.17	7.15	7.12
14.7625	7.10	7.08	7.05	7.03	7.00
14.8250	6.98	6.96	6.93	6.91	6.89
14.8875	6.86	6.84	6.82	6.79	6.77
14.9500	6.74	6.72	6.70	6.67	6.65
15.0125	6.63	6.60	6.58	6.55	6.53
15.0750	6.51	6.48	6.46	6.44	6.41
15.1375	6.39	6.36	6.34	6.32	6.29
15.2000	6.27	6.25	6.22	6.20	6.18
15.2625	6.15	6.13	6.10	6.08	6.06
15.3250	6.03	6.01	5.99	5.96	5.94
15.3875	5.91	5.89	5.87	5.84	5.82
15.4500	5.80	5.77	5.75	5.73	5.70
15.5125	5.68	5.65	5.63	5.61	5.58
15.5750	5.56	5.54	5.51	5.49	5.47
15.6375	5.44	5.42	5.39	5.37	5.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.7000	5.32	5.30	5.28	5.25	5.23
15.7625	5.20	5.18	5.16	5.13	5.11
15.8250	5.08	5.06	5.04	5.01	4.99
15.8875	4.97	4.94	4.92	4.90	4.87
15.9500	4.85	4.82	4.80	4.78	4.75
16.0125	4.73	4.71	4.68	4.66	4.64
16.0750	4.61	4.59	4.57	4.55	4.53
16.1375	4.50	4.48	4.46	4.45	4.43
16.2000	4.41	4.39	4.37	4.36	4.34
16.2625	4.32	4.31	4.29	4.28	4.27
16.3250	4.25	4.24	4.23	4.21	4.20
16.3875	4.19	4.18	4.17	4.16	4.14
16.4500	4.13	4.12	4.11	4.10	4.09
16.5125	4.08	4.07	4.06	4.05	4.04
16.5750	4.02	4.01	4.00	3.99	3.98
16.6375	3.97	3.96	3.95	3.94	3.93
16.7000	3.92	3.91	3.90	3.89	3.88
16.7625	3.87	3.86	3.85	3.84	3.83
16.8250	3.82	3.81	3.80	3.79	3.77
16.8875	3.76	3.75	3.74	3.73	3.72
16.9500	3.71	3.70	3.69	3.68	3.67
17.0125	3.66	3.65	3.64	3.63	3.62
17.0750	3.61	3.60	3.59	3.58	3.57
17.1375	3.56	3.55	3.54	3.53	3.52
17.2000	3.51	3.50	3.49	3.48	3.47
17.2625	3.46	3.44	3.43	3.42	3.41
17.3250	3.40	3.39	3.38	3.37	3.36
17.3875	3.35	3.34	3.33	3.32	3.31
17.4500	3.30	3.29	3.28	3.27	3.26
17.5125	3.25	3.24	3.23	3.22	3.21
17.5750	3.20	3.19	3.18	3.17	3.16
17.6375	3.15	3.13	3.12	3.11	3.10
17.7000	3.09	3.08	3.07	3.06	3.05
17.7625	3.04	3.03	3.02	3.01	3.00
17.8250	2.99	2.98	2.97	2.96	2.95
17.8875	2.94	2.93	2.92	2.91	2.90
17.9500	2.89	2.88	2.87	2.86	2.85
18.0125	2.84	2.83	2.81	2.80	2.79
18.0750	2.78	2.77	2.76	2.75	2.74
18.1375	2.74	2.73	2.72	2.71	2.70
18.2000	2.69	2.69	2.68	2.67	2.67
18.2625	2.66	2.66	2.65	2.65	2.64
18.3250	2.64	2.63	2.63	2.63	2.62
18.3875	2.62	2.61	2.61	2.61	2.60
18.4500	2.60	2.60	2.59	2.59	2.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5125	2.58	2.58	2.58	2.57	2.57
18.5750	2.57	2.56	2.56	2.56	2.55
18.6375	2.55	2.55	2.54	2.54	2.54
18.7000	2.53	2.53	2.53	2.53	2.52
18.7625	2.52	2.52	2.51	2.51	2.51
18.8250	2.50	2.50	2.50	2.49	2.49
18.8875	2.49	2.48	2.48	2.48	2.48
18.9500	2.47	2.47	2.47	2.46	2.46
19.0125	2.46	2.45	2.45	2.45	2.44
19.0750	2.44	2.44	2.44	2.43	2.43
19.1375	2.43	2.42	2.42	2.42	2.41
19.2000	2.41	2.41	2.40	2.40	2.40
19.2625	2.39	2.39	2.39	2.39	2.38
19.3250	2.38	2.38	2.37	2.37	2.37
19.3875	2.36	2.36	2.36	2.35	2.35
19.4500	2.35	2.35	2.34	2.34	2.34
19.5125	2.33	2.33	2.33	2.32	2.32
19.5750	2.32	2.31	2.31	2.31	2.30
19.6375	2.30	2.30	2.30	2.29	2.29
19.7000	2.29	2.28	2.28	2.28	2.27
19.7625	2.27	2.27	2.26	2.26	2.26
19.8250	2.26	2.25	2.25	2.25	2.24
19.8875	2.24	2.24	2.23	2.23	2.23
19.9500	2.22	2.22	2.22	2.22	2.21
20.0125	2.21	2.21	2.20	2.20	2.20
20.0750	2.19	2.19	2.19	2.18	2.18
20.1375	2.18	2.18	2.17	2.17	2.17
20.2000	2.16	2.16	2.16	2.16	2.15
20.2625	2.15	2.15	2.15	2.14	2.14
20.3250	2.14	2.14	2.14	2.13	2.13
20.3875	2.13	2.13	2.12	2.12	2.12
20.4500	2.11	2.11	2.11	2.11	2.10
20.5125	2.10	2.10	2.10	2.10	2.09
20.5750	2.09	2.09	2.09	2.08	2.08
20.6375	2.08	2.08	2.08	2.07	2.07
20.7000	2.07	2.07	2.06	2.06	2.06
20.7625	2.05	2.05	2.05	2.05	2.04
20.8250	2.04	2.04	2.04	2.04	2.03
20.8875	2.03	2.03	2.03	2.02	2.02
20.9500	2.02	2.02	2.02	2.01	2.01
21.0125	2.01	2.01	2.00	2.00	2.00
21.0750	2.00	2.00	1.99	1.99	1.99
21.1375	1.99	1.99	1.98	1.98	1.98
21.2000	1.98	1.97	1.97	1.97	1.97
21.2625	1.96	1.96	1.96	1.96	1.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3250	1.95	1.95	1.95	1.94	1.94
21.3875	1.94	1.94	1.94	1.93	1.93
21.4500	1.93	1.93	1.92	1.92	1.92
21.5125	1.92	1.91	1.91	1.91	1.91
21.5750	1.90	1.90	1.90	1.90	1.89
21.6375	1.89	1.89	1.89	1.88	1.88
21.7000	1.88	1.88	1.88	1.87	1.87
21.7625	1.87	1.87	1.86	1.86	1.86
21.8250	1.86	1.86	1.85	1.85	1.85
21.8875	1.85	1.85	1.84	1.84	1.84
21.9500	1.84	1.83	1.83	1.83	1.83
22.0125	1.82	1.82	1.82	1.82	1.81
22.0750	1.81	1.81	1.81	1.80	1.80
22.1375	1.80	1.80	1.80	1.79	1.79
22.2000	1.79	1.79	1.78	1.78	1.78
22.2625	1.78	1.77	1.77	1.77	1.77
22.3250	1.76	1.76	1.76	1.76	1.75
22.3875	1.75	1.75	1.75	1.74	1.74
22.4500	1.74	1.74	1.74	1.73	1.73
22.5125	1.73	1.73	1.72	1.72	1.72
22.5750	1.72	1.72	1.71	1.71	1.71
22.6375	1.71	1.70	1.70	1.70	1.70
22.7000	1.70	1.69	1.69	1.69	1.69
22.7625	1.69	1.68	1.68	1.68	1.68
22.8250	1.67	1.67	1.67	1.67	1.66
22.8875	1.66	1.66	1.66	1.65	1.65
22.9500	1.65	1.65	1.64	1.64	1.64
23.0125	1.64	1.64	1.63	1.63	1.63
23.0750	1.63	1.62	1.62	1.62	1.62
23.1375	1.61	1.61	1.61	1.61	1.60
23.2000	1.60	1.60	1.60	1.59	1.59
23.2625	1.59	1.59	1.58	1.58	1.58
23.3250	1.58	1.58	1.57	1.57	1.57
23.3875	1.57	1.56	1.56	1.56	1.56
23.4500	1.56	1.55	1.55	1.55	1.55
23.5125	1.55	1.54	1.54	1.54	1.54
23.5750	1.53	1.53	1.53	1.53	1.52
23.6375	1.52	1.52	1.52	1.51	1.51
23.7000	1.51	1.51	1.50	1.50	1.50
23.7625	1.50	1.50	1.49	1.49	1.49
23.8250	1.49	1.48	1.48	1.48	1.48
23.8875	1.47	1.47	1.47	1.47	1.46
23.9500	1.46	1.46	1.46	1.45	1.45
24.0125	1.45	1.44	1.43	1.42	1.40
24.0750	1.38	1.35	1.31	1.27	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1375	1.16	1.10	1.03	.96	.89
24.2000	.82	.75	.68	.61	.55
24.2625	.49	.44	.39	.35	.31
24.3250	.28	.25	.22	.19	.17
24.3875	.15	.14	.12	.11	.10
24.4500	.08	.08	.07	.06	.05
24.5125	.05	.04	.04	.03	.03
24.5750	.02	.02	.02	.02	.01
24.6375	.01	.01	.01	.01	.01
24.7000	.01	.01	.00	.00	.00
24.7625	.00	.00	.00		

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-4 OUTLET

HYG Tag = 50

Peak Discharge = 123.20 cfs
Time to Peak = 12.1875 hrs
HYG Volume = 494170 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7000	.00	3.07	5.34	6.87	7.92
10.7625	8.64	9.14	9.50	9.75	9.94
10.8250	10.09	10.20	10.30	10.38	10.46
10.8875	10.56	10.64	10.71	10.77	10.82
10.9500	10.88	10.94	10.99	11.05	11.10
11.0125	11.16	11.21	11.27	11.33	11.40
11.0750	11.46	11.53	11.60	11.68	11.76
11.1375	11.85	11.95	12.04	12.15	12.26
11.2000	12.38	12.51	12.64	12.78	12.93
11.2625	13.08	13.23	13.39	13.55	13.72
11.3250	13.89	14.07	14.25	14.43	14.61
11.3875	14.80	14.98	15.17	15.36	15.56
11.4500	15.75	15.94	16.14	16.34	16.54
11.5125	16.75	16.97	17.21	17.48	17.77
11.5750	18.09	18.45	18.87	19.33	19.85
11.6375	20.45	21.11	21.83	22.64	23.51
11.7000	24.48	25.53	26.64	27.85	29.11
11.7625	30.62	32.17	33.67	35.20	36.78
11.8250	38.39	40.04	41.72	43.42	45.15
11.8875	46.89	48.71	50.65	52.67	54.96
11.9500	57.67	60.39	63.46	66.92	70.62
12.0125	74.70	79.08	83.61	88.61	93.40
12.0750	98.03	102.48	106.84	110.78	114.26
12.1375	117.47	120.01	121.82	123.01	123.20
12.2000	122.80	121.75	119.87	117.68	115.16
12.2625	112.23	109.11	105.81	102.37	98.91
12.3250	95.46	92.02	88.70	85.59	82.64
12.3875	79.93	77.24	74.58	71.99	69.48
12.4500	67.01	64.62	62.28	59.99	57.74
12.5125	55.53	53.45	51.49	49.45	47.44
12.5750	45.50	43.60	41.77	40.01	38.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.6375	36.70	35.15	33.69	32.34	31.06
12.7000	29.87	28.90	27.98	27.07	26.21
12.7625	25.39	24.63	23.94	23.29	22.69
12.8250	22.14	21.62	21.14	20.69	20.27
12.8875	19.87	19.50	19.14	18.80	18.48
12.9500	18.18	17.88	17.60	17.33	17.07
13.0125	16.81	16.56	16.31	16.08	15.85
13.0750	15.63	15.42	15.21	15.01	14.81
13.1375	14.63	14.45	14.28	14.12	13.97
13.2000	13.83	13.69	13.56	13.44	13.33
13.2625	13.22	13.12	13.02	12.93	12.85
13.3250	12.77	12.69	12.61	12.54	12.47
13.3875	12.40	12.33	12.27	12.20	12.14
13.4500	12.08	12.02	11.96	11.90	11.84
13.5125	11.78	11.73	11.67	11.61	11.56
13.5750	11.50	11.45	11.39	11.34	11.28
13.6375	11.23	11.17	11.12	11.07	11.01
13.7000	10.96	10.91	10.85	10.80	10.75
13.7625	10.69	10.64	10.59	10.53	10.48
13.8250	10.43	10.40	10.35	10.31	10.26
13.8875	10.21	10.16	10.11	10.06	10.01
13.9500	9.95	9.90	9.85	9.79	9.74
14.0125	9.69	9.64	9.58	9.53	9.48
14.0750	9.43	9.37	9.32	9.27	9.22
14.1375	9.18	9.13	9.08	9.04	8.99
14.2000	8.95	8.91	8.87	8.83	8.80
14.2625	8.76	8.73	8.69	8.66	8.63
14.3250	8.60	8.56	8.53	8.50	8.48
14.3875	8.45	8.42	8.39	8.36	8.33
14.4500	8.31	8.28	8.25	8.23	8.20
14.5125	8.17	8.15	8.12	8.09	8.07
14.5750	8.04	8.02	7.99	7.96	7.94
14.6375	7.91	7.89	7.86	7.84	7.81
14.7000	7.79	7.76	7.73	7.71	7.68
14.7625	7.66	7.63	7.61	7.58	7.55
14.8250	7.53	7.50	7.48	7.45	7.43
14.8875	7.40	7.38	7.35	7.32	7.30
14.9500	7.27	7.25	7.22	7.20	7.17
15.0125	7.15	7.12	7.09	7.07	7.04
15.0750	7.02	6.99	6.97	6.94	6.92
15.1375	6.89	6.86	6.84	6.81	6.79
15.2000	6.76	6.74	6.71	6.69	6.66
15.2625	6.63	6.61	6.58	6.56	6.53
15.3250	6.51	6.48	6.46	6.43	6.40
15.3875	6.38	6.35	6.33	6.30	6.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.4500	6.25	6.23	6.20	6.17	6.15
15.5125	6.12	6.10	6.07	6.05	6.02
15.5750	6.00	5.97	5.94	5.92	5.89
15.6375	5.87	5.84	5.82	5.79	5.77
15.7000	5.74	5.72	5.69	5.66	5.64
15.7625	5.61	5.59	5.56	5.53	5.51
15.8250	5.48	5.46	5.43	5.41	5.38
15.8875	5.36	5.33	5.30	5.28	5.25
15.9500	5.23	5.20	5.18	5.15	5.12
16.0125	5.10	5.07	5.05	5.02	5.00
16.0750	4.97	4.95	4.93	4.90	4.88
16.1375	4.86	4.84	4.81	4.79	4.77
16.2000	4.75	4.73	4.72	4.70	4.68
16.2625	4.66	4.65	4.63	4.62	4.60
16.3250	4.59	4.57	4.56	4.55	4.53
16.3875	4.52	4.51	4.49	4.48	4.47
16.4500	4.46	4.44	4.43	4.42	4.41
16.5125	4.40	4.39	4.37	4.36	4.35
16.5750	4.34	4.33	4.32	4.31	4.29
16.6375	4.28	4.27	4.26	4.25	4.24
16.7000	4.23	4.22	4.20	4.19	4.18
16.7625	4.17	4.16	4.15	4.14	4.13
16.8250	4.12	4.10	4.09	4.08	4.07
16.8875	4.06	4.05	4.04	4.03	4.01
16.9500	4.00	3.99	3.98	3.97	3.96
17.0125	3.95	3.94	3.93	3.91	3.90
17.0750	3.89	3.88	3.87	3.86	3.85
17.1375	3.84	3.83	3.81	3.80	3.79
17.2000	3.78	3.77	3.76	3.75	3.74
17.2625	3.73	3.71	3.70	3.69	3.68
17.3250	3.67	3.66	3.65	3.64	3.63
17.3875	3.61	3.60	3.59	3.58	3.57
17.4500	3.56	3.55	3.54	3.52	3.51
17.5125	3.50	3.49	3.48	3.47	3.46
17.5750	3.45	3.44	3.43	3.41	3.40
17.6375	3.39	3.38	3.37	3.36	3.35
17.7000	3.34	3.32	3.31	3.30	3.29
17.7625	3.28	3.27	3.26	3.25	3.24
17.8250	3.22	3.21	3.20	3.19	3.18
17.8875	3.17	3.16	3.15	3.13	3.12
17.9500	3.11	3.10	3.09	3.08	3.07
18.0125	3.06	3.05	3.04	3.02	3.01
18.0750	3.00	2.99	2.98	2.97	2.96
18.1375	2.95	2.94	2.93	2.92	2.91
18.2000	2.91	2.90	2.89	2.88	2.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.2625	2.87	2.87	2.86	2.86	2.85
18.3250	2.85	2.84	2.84	2.83	2.83
18.3875	2.82	2.82	2.81	2.81	2.81
18.4500	2.80	2.80	2.80	2.79	2.79
18.5125	2.78	2.78	2.78	2.77	2.77
18.5750	2.77	2.76	2.76	2.76	2.75
18.6375	2.75	2.75	2.74	2.74	2.74
18.7000	2.73	2.73	2.73	2.72	2.72
18.7625	2.72	2.71	2.71	2.71	2.70
18.8250	2.70	2.70	2.69	2.69	2.69
18.8875	2.68	2.68	2.68	2.67	2.67
18.9500	2.67	2.66	2.66	2.66	2.65
19.0125	2.65	2.65	2.64	2.64	2.64
19.0750	2.63	2.63	2.63	2.62	2.62
19.1375	2.62	2.61	2.61	2.61	2.60
19.2000	2.60	2.60	2.59	2.59	2.59
19.2625	2.58	2.58	2.58	2.57	2.57
19.3250	2.57	2.56	2.56	2.56	2.55
19.3875	2.55	2.55	2.54	2.54	2.54
19.4500	2.53	2.53	2.53	2.52	2.52
19.5125	2.52	2.51	2.51	2.51	2.50
19.5750	2.50	2.50	2.49	2.49	2.49
19.6375	2.48	2.48	2.48	2.47	2.47
19.7000	2.47	2.46	2.46	2.46	2.45
19.7625	2.45	2.45	2.44	2.44	2.44
19.8250	2.43	2.43	2.43	2.42	2.42
19.8875	2.42	2.41	2.41	2.41	2.40
19.9500	2.40	2.40	2.39	2.39	2.39
20.0125	2.38	2.38	2.38	2.37	2.37
20.0750	2.37	2.36	2.36	2.36	2.35
20.1375	2.35	2.35	2.34	2.34	2.34
20.2000	2.33	2.33	2.33	2.32	2.32
20.2625	2.32	2.32	2.32	2.31	2.31
20.3250	2.31	2.31	2.30	2.30	2.30
20.3875	2.29	2.29	2.29	2.29	2.28
20.4500	2.28	2.28	2.27	2.27	2.27
20.5125	2.27	2.26	2.26	2.26	2.26
20.5750	2.25	2.25	2.25	2.25	2.24
20.6375	2.24	2.24	2.24	2.23	2.23
20.7000	2.23	2.23	2.22	2.22	2.22
20.7625	2.21	2.21	2.21	2.21	2.20
20.8250	2.20	2.20	2.20	2.19	2.19
20.8875	2.19	2.19	2.19	2.18	2.18
20.9500	2.18	2.18	2.17	2.17	2.17
21.0125	2.17	2.16	2.16	2.16	2.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.0750	2.15	2.15	2.15	2.15	2.15
21.1375	2.14	2.14	2.14	2.14	2.13
21.2000	2.13	2.13	2.12	2.12	2.12
21.2625	2.12	2.11	2.11	2.11	2.11
21.3250	2.10	2.10	2.10	2.10	2.09
21.3875	2.09	2.09	2.09	2.08	2.08
21.4500	2.08	2.08	2.07	2.07	2.07
21.5125	2.07	2.06	2.06	2.06	2.05
21.5750	2.05	2.05	2.05	2.04	2.04
21.6375	2.04	2.04	2.03	2.03	2.03
21.7000	2.03	2.02	2.02	2.02	2.02
21.7625	2.01	2.01	2.01	2.01	2.01
21.8250	2.00	2.00	2.00	2.00	1.99
21.8875	1.99	1.99	1.99	1.99	1.98
21.9500	1.98	1.98	1.98	1.97	1.97
22.0125	1.97	1.96	1.96	1.96	1.96
22.0750	1.95	1.95	1.95	1.95	1.94
22.1375	1.94	1.94	1.94	1.93	1.93
22.2000	1.93	1.93	1.92	1.92	1.92
22.2625	1.92	1.91	1.91	1.91	1.91
22.3250	1.90	1.90	1.90	1.89	1.89
22.3875	1.89	1.89	1.88	1.88	1.88
22.4500	1.88	1.87	1.87	1.87	1.87
22.5125	1.86	1.86	1.86	1.86	1.85
22.5750	1.85	1.85	1.85	1.84	1.84
22.6375	1.84	1.84	1.84	1.83	1.83
22.7000	1.83	1.83	1.83	1.82	1.82
22.7625	1.82	1.81	1.81	1.81	1.81
22.8250	1.80	1.80	1.80	1.80	1.79
22.8875	1.79	1.79	1.78	1.78	1.78
22.9500	1.78	1.77	1.77	1.77	1.77
23.0125	1.77	1.76	1.76	1.76	1.76
23.0750	1.75	1.75	1.75	1.74	1.74
23.1375	1.74	1.74	1.73	1.73	1.73
23.2000	1.72	1.72	1.72	1.72	1.72
23.2625	1.71	1.71	1.71	1.71	1.70
23.3250	1.70	1.70	1.70	1.69	1.69
23.3875	1.69	1.69	1.68	1.68	1.68
23.4500	1.68	1.68	1.67	1.67	1.67
23.5125	1.67	1.66	1.66	1.66	1.66
23.5750	1.65	1.65	1.65	1.65	1.64
23.6375	1.64	1.64	1.63	1.63	1.63
23.7000	1.63	1.62	1.62	1.62	1.62
23.7625	1.61	1.61	1.61	1.61	1.60
23.8250	1.60	1.60	1.60	1.59	1.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.8875	1.59	1.59	1.58	1.58	1.58
23.9500	1.58	1.57	1.57	1.57	1.56
24.0125	1.56	1.55	1.54	1.53	1.51
24.0750	1.49	1.46	1.42	1.37	1.31
24.1375	1.25	1.18	1.11	1.03	.96
24.2000	.88	.80	.73	.66	.59
24.2625	.53	.47	.42	.38	.34
24.3250	.30	.27	.24	.21	.19
24.3875	.17	.15	.13	.12	.10
24.4500	.09	.08	.07	.06	.06
24.5125	.05	.04	.04	.03	.03
24.5750	.03	.02	.02	.02	.02
24.6375	.01	.01	.01	.01	.01
24.7000	.01	.01	.01	.00	.00
24.7625	.00	.00	.00		

DIVERTED HYDROGRAPH...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQB CC-4 OUTLET

HYG Tag = 100

 Peak Discharge = 132.41 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 540138 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	0.00	2.75	5.01	6.55	7.60
10.4500	.00	2.75	5.01	6.55	7.60
10.5125	8.32	8.82	9.18	9.44	9.63
10.5750	9.78	9.89	9.99	10.08	10.15
10.6375	10.22	10.29	10.35	10.41	10.50
10.7000	10.58	10.65	10.71	10.78	10.84
10.7625	10.89	10.95	11.01	11.07	11.13
10.8250	11.19	11.25	11.30	11.36	11.42
10.8875	11.48	11.54	11.60	11.66	11.72
10.9500	11.77	11.83	11.89	11.95	12.01
11.0125	12.07	12.13	12.19	12.26	12.33
11.0750	12.40	12.47	12.55	12.63	12.72
11.1375	12.82	12.92	13.02	13.13	13.26
11.2000	13.38	13.52	13.66	13.81	13.97
11.2625	14.13	14.30	14.47	14.64	14.82
11.3250	15.01	15.20	15.39	15.59	15.78
11.3875	15.98	16.18	16.39	16.59	16.80
11.4500	17.01	17.22	17.43	17.64	17.86
11.5125	18.08	18.32	18.58	18.86	19.18
11.5750	19.52	19.91	20.36	20.86	21.42
11.6375	22.07	22.77	23.55	24.43	25.36
11.7000	26.40	27.53	28.73	30.13	31.70
11.7625	33.21	34.76	36.32	37.95	39.64
11.8250	41.37	43.15	44.95	46.78	48.64
11.8875	50.52	52.47	54.60	56.98	59.46
11.9500	62.17	65.04	68.33	72.04	76.01
12.0125	80.39	85.22	90.36	95.42	100.49
12.0750	105.44	110.22	114.89	119.26	123.10
12.1375	126.49	129.05	130.96	132.21	132.41
12.2000	131.97	130.83	128.81	126.44	123.64
12.2625	120.37	116.98	113.60	109.96	106.24
12.3250	102.54	98.84	95.27	91.92	88.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.3875	85.59	82.72	80.02	77.29	74.60
12.4500	71.96	69.38	66.87	64.40	61.99
12.5125	59.61	57.28	55.00	52.91	50.86
12.5750	48.82	46.80	44.84	42.95	41.12
12.6375	39.39	37.73	36.16	34.71	33.34
12.7000	32.06	30.89	29.79	28.90	28.06
12.7625	27.21	26.42	25.68	24.99	24.35
12.8250	23.76	23.20	22.69	22.21	21.75
12.8875	21.33	20.92	20.54	20.18	19.83
12.9500	19.50	19.19	18.89	18.60	18.31
13.0125	18.04	17.77	17.51	17.25	17.01
13.0750	16.77	16.54	16.32	16.10	15.90
13.1375	15.70	15.50	15.32	15.15	14.99
13.2000	14.84	14.69	14.55	14.42	14.30
13.2625	14.19	14.08	13.98	13.88	13.79
13.3250	13.70	13.61	13.53	13.45	13.38
13.3875	13.30	13.23	13.16	13.09	13.03
13.4500	12.96	12.90	12.83	12.77	12.71
13.5125	12.64	12.58	12.52	12.46	12.40
13.5750	12.34	12.28	12.22	12.17	12.11
13.6375	12.05	11.99	11.93	11.87	11.82
13.7000	11.76	11.70	11.64	11.59	11.53
13.7625	11.47	11.41	11.36	11.30	11.24
13.8250	11.19	11.13	11.07	11.01	10.96
13.8875	10.90	10.84	10.79	10.73	10.67
13.9500	10.61	10.56	10.50	10.44	10.41
14.0125	10.36	10.32	10.27	10.21	10.16
14.0750	10.11	10.05	10.00	9.95	9.90
14.1375	9.84	9.79	9.74	9.70	9.65
14.2000	9.60	9.56	9.52	9.48	9.44
14.2625	9.40	9.36	9.33	9.29	9.26
14.3250	9.22	9.19	9.16	9.12	9.09
14.3875	9.06	9.03	9.00	8.97	8.94
14.4500	8.91	8.88	8.85	8.83	8.80
14.5125	8.77	8.74	8.71	8.68	8.66
14.5750	8.63	8.60	8.57	8.54	8.52
14.6375	8.49	8.46	8.43	8.41	8.38
14.7000	8.35	8.32	8.30	8.27	8.24
14.7625	8.21	8.19	8.16	8.13	8.10
14.8250	8.08	8.05	8.02	7.99	7.97
14.8875	7.94	7.91	7.89	7.86	7.83
14.9500	7.80	7.77	7.75	7.72	7.69
15.0125	7.66	7.64	7.61	7.58	7.55
15.0750	7.53	7.50	7.47	7.45	7.42
15.1375	7.39	7.36	7.34	7.31	7.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2000	7.25	7.23	7.20	7.17	7.14
15.2625	7.12	7.09	7.06	7.03	7.01
15.3250	6.98	6.95	6.92	6.90	6.87
15.3875	6.84	6.81	6.79	6.76	6.73
15.4500	6.71	6.68	6.65	6.62	6.60
15.5125	6.57	6.54	6.51	6.49	6.46
15.5750	6.43	6.40	6.38	6.35	6.32
15.6375	6.29	6.27	6.24	6.21	6.19
15.7000	6.16	6.13	6.10	6.07	6.05
15.7625	6.02	5.99	5.96	5.94	5.91
15.8250	5.88	5.85	5.83	5.80	5.77
15.8875	5.74	5.72	5.69	5.66	5.63
15.9500	5.61	5.58	5.55	5.52	5.50
16.0125	5.47	5.44	5.42	5.39	5.36
16.0750	5.34	5.31	5.28	5.26	5.23
16.1375	5.21	5.19	5.16	5.14	5.12
16.2000	5.10	5.08	5.06	5.04	5.02
16.2625	5.00	4.98	4.97	4.95	4.93
16.3250	4.92	4.90	4.89	4.88	4.86
16.3875	4.85	4.83	4.82	4.81	4.79
16.4500	4.78	4.77	4.75	4.74	4.73
16.5125	4.72	4.70	4.69	4.68	4.67
16.5750	4.66	4.64	4.63	4.62	4.61
16.6375	4.59	4.58	4.57	4.56	4.55
16.7000	4.53	4.52	4.51	4.50	4.49
16.7625	4.47	4.46	4.45	4.44	4.43
16.8250	4.41	4.40	4.39	4.38	4.37
16.8875	4.35	4.34	4.33	4.32	4.31
16.9500	4.29	4.28	4.27	4.26	4.25
17.0125	4.23	4.22	4.21	4.20	4.19
17.0750	4.17	4.16	4.15	4.14	4.13
17.1375	4.11	4.10	4.09	4.08	4.07
17.2000	4.06	4.04	4.03	4.02	4.01
17.2625	4.00	3.98	3.97	3.96	3.95
17.3250	3.94	3.92	3.91	3.90	3.89
17.3875	3.88	3.87	3.85	3.84	3.83
17.4500	3.82	3.80	3.79	3.78	3.77
17.5125	3.76	3.74	3.73	3.72	3.71
17.5750	3.70	3.69	3.67	3.66	3.65
17.6375	3.64	3.63	3.61	3.60	3.59
17.7000	3.58	3.57	3.55	3.54	3.53
17.7625	3.52	3.51	3.49	3.48	3.47
17.8250	3.46	3.45	3.43	3.42	3.41
17.8875	3.40	3.39	3.37	3.36	3.35
17.9500	3.34	3.33	3.31	3.30	3.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0125	3.28	3.27	3.26	3.24	3.23
18.0750	3.22	3.21	3.20	3.19	3.17
18.1375	3.16	3.15	3.14	3.13	3.12
18.2000	3.12	3.11	3.10	3.09	3.09
18.2625	3.08	3.07	3.07	3.06	3.06
18.3250	3.05	3.05	3.04	3.04	3.03
18.3875	3.03	3.02	3.02	3.01	3.01
18.4500	3.01	3.00	3.00	2.99	2.99
18.5125	2.99	2.98	2.98	2.97	2.97
18.5750	2.97	2.96	2.96	2.96	2.95
18.6375	2.95	2.95	2.94	2.94	2.93
18.7000	2.93	2.93	2.92	2.92	2.92
18.7625	2.91	2.91	2.91	2.90	2.90
18.8250	2.89	2.89	2.89	2.88	2.88
18.8875	2.88	2.87	2.87	2.87	2.86
18.9500	2.86	2.86	2.85	2.85	2.84
19.0125	2.84	2.84	2.83	2.83	2.83
19.0750	2.82	2.82	2.82	2.81	2.81
19.1375	2.81	2.80	2.80	2.79	2.79
19.2000	2.79	2.78	2.78	2.78	2.77
19.2625	2.77	2.77	2.76	2.76	2.76
19.3250	2.75	2.75	2.74	2.74	2.74
19.3875	2.73	2.73	2.73	2.72	2.72
19.4500	2.72	2.71	2.71	2.70	2.70
19.5125	2.70	2.69	2.69	2.69	2.68
19.5750	2.68	2.68	2.67	2.67	2.67
19.6375	2.66	2.66	2.65	2.65	2.65
19.7000	2.64	2.64	2.64	2.63	2.63
19.7625	2.63	2.62	2.62	2.62	2.61
19.8250	2.61	2.60	2.60	2.60	2.59
19.8875	2.59	2.59	2.58	2.58	2.58
19.9500	2.57	2.57	2.57	2.56	2.56
20.0125	2.55	2.55	2.55	2.54	2.54
20.0750	2.54	2.53	2.53	2.53	2.52
20.1375	2.52	2.52	2.51	2.51	2.51
20.2000	2.50	2.50	2.50	2.49	2.49
20.2625	2.49	2.49	2.48	2.48	2.48
20.3250	2.47	2.47	2.47	2.47	2.46
20.3875	2.46	2.46	2.45	2.45	2.45
20.4500	2.45	2.44	2.44	2.44	2.43
20.5125	2.43	2.43	2.43	2.42	2.42
20.5750	2.42	2.41	2.41	2.41	2.41
20.6375	2.40	2.40	2.40	2.40	2.39
20.7000	2.39	2.39	2.38	2.38	2.38
20.7625	2.38	2.37	2.37	2.37	2.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8250	2.36	2.36	2.36	2.35	2.35
20.8875	2.35	2.35	2.34	2.34	2.34
20.9500	2.34	2.33	2.33	2.33	2.33
21.0125	2.32	2.32	2.32	2.32	2.31
21.0750	2.31	2.31	2.31	2.30	2.30
21.1375	2.30	2.30	2.29	2.29	2.29
21.2000	2.28	2.28	2.28	2.28	2.27
21.2625	2.27	2.27	2.26	2.26	2.26
21.3250	2.26	2.25	2.25	2.25	2.25
21.3875	2.24	2.24	2.24	2.23	2.23
21.4500	2.23	2.23	2.22	2.22	2.22
21.5125	2.22	2.21	2.21	2.21	2.20
21.5750	2.20	2.20	2.19	2.19	2.19
21.6375	2.19	2.18	2.18	2.18	2.18
21.7000	2.17	2.17	2.17	2.17	2.16
21.7625	2.16	2.16	2.16	2.15	2.15
21.8250	2.15	2.15	2.14	2.14	2.14
21.8875	2.14	2.13	2.13	2.13	2.13
21.9500	2.12	2.12	2.12	2.12	2.11
22.0125	2.11	2.11	2.10	2.10	2.10
22.0750	2.09	2.09	2.09	2.09	2.08
22.1375	2.08	2.08	2.08	2.07	2.07
22.2000	2.07	2.07	2.06	2.06	2.06
22.2625	2.05	2.05	2.05	2.05	2.04
22.3250	2.04	2.04	2.03	2.03	2.03
22.3875	2.02	2.02	2.02	2.02	2.01
22.4500	2.01	2.01	2.01	2.00	2.00
22.5125	2.00	2.00	1.99	1.99	1.99
22.5750	1.99	1.98	1.98	1.98	1.98
22.6375	1.97	1.97	1.97	1.97	1.96
22.7000	1.96	1.96	1.96	1.95	1.95
22.7625	1.95	1.95	1.94	1.94	1.94
22.8250	1.93	1.93	1.93	1.93	1.92
22.8875	1.92	1.92	1.91	1.91	1.91
22.9500	1.91	1.90	1.90	1.90	1.90
23.0125	1.89	1.89	1.89	1.89	1.88
23.0750	1.88	1.88	1.87	1.87	1.87
23.1375	1.86	1.86	1.86	1.86	1.85
23.2000	1.85	1.85	1.84	1.84	1.84
23.2625	1.84	1.83	1.83	1.83	1.83
23.3250	1.82	1.82	1.82	1.82	1.81
23.3875	1.81	1.81	1.81	1.80	1.80
23.4500	1.80	1.80	1.79	1.79	1.79
23.5125	1.79	1.78	1.78	1.78	1.78
23.5750	1.77	1.77	1.77	1.77	1.76

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6375	1.76	1.76	1.75	1.75	1.75
23.7000	1.74	1.74	1.74	1.74	1.73
23.7625	1.73	1.73	1.73	1.72	1.72
23.8250	1.72	1.72	1.71	1.71	1.71
23.8875	1.70	1.70	1.70	1.70	1.69
23.9500	1.69	1.69	1.68	1.68	1.68
24.0125	1.67	1.66	1.65	1.64	1.62
24.0750	1.59	1.56	1.52	1.47	1.41
24.1375	1.34	1.27	1.19	1.11	1.03
24.2000	.94	.86	.78	.71	.64
24.2625	.57	.51	.45	.40	.36
24.3250	.32	.28	.25	.23	.20
24.3875	.18	.16	.14	.12	.11
24.4500	.10	.09	.08	.07	.06
24.5125	.05	.05	.04	.04	.03
24.5750	.03	.03	.02	.02	.02
24.6375	.02	.01	.01	.01	.01
24.7000	.01	.01	.01	.00	.00
24.7625	.00	.00	.00		

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
330.00	-----	15346	0	0	0
332.00	-----	17815	49695	33130	33130
334.00	-----	20356	57214	38143	71273
336.00	-----	23077	65107	43405	114678
338.00	-----	25963	73518	49012	163689
340.00	-----	29082	82523	55016	218705

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Area1} + \text{Area2} + \text{sq.rt.}(\text{Area1}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Area1,Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH AA-2        D.A. AA-2      work_pad.hyg  D.A. AA-2    2
=====

```

INFLOWS TO: WQBASIN AA IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg D.A. AA-2    2            488130      12.2000     108.62

```

TOTAL FLOW INTO: WQBASIN AA IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg WQBASIN AA  IN  2            488130      12.2000     108.62

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA IN

HYG Tag = 2

 Peak Discharge = 108.62 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 488130 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.01	.01	.01	.01
4.7125	.01	.01	.02	.02	.02
4.7750	.02	.03	.03	.03	.04
4.8375	.04	.04	.04	.05	.05
4.9000	.05	.06	.06	.06	.07
4.9625	.07	.07	.08	.08	.08
5.0250	.09	.09	.10	.10	.10
5.0875	.11	.11	.11	.12	.12
5.1500	.12	.13	.13	.13	.14
5.2125	.14	.15	.15	.15	.16
5.2750	.16	.16	.17	.17	.18
5.3375	.18	.18	.19	.19	.19
5.4000	.20	.20	.21	.21	.21
5.4625	.22	.22	.22	.23	.23
5.5250	.24	.24	.24	.25	.25
5.5875	.26	.26	.26	.27	.27
5.6500	.27	.28	.28	.29	.29
5.7125	.29	.30	.30	.31	.31
5.7750	.31	.32	.32	.33	.33
5.8375	.33	.34	.34	.35	.35
5.9000	.35	.36	.36	.37	.37
5.9625	.37	.38	.38	.39	.39
6.0250	.39	.40	.40	.41	.41
6.0875	.41	.42	.42	.43	.43
6.1500	.44	.44	.45	.45	.46
6.2125	.46	.47	.47	.48	.48
6.2750	.49	.49	.50	.50	.51
6.3375	.51	.52	.52	.53	.54
6.4000	.54	.55	.55	.56	.56
6.4625	.57	.58	.58	.59	.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.5250	.60	.61	.61	.62	.63
6.5875	.63	.64	.64	.65	.66
6.6500	.66	.67	.68	.68	.69
6.7125	.70	.70	.71	.72	.72
6.7750	.73	.74	.75	.75	.76
6.8375	.77	.77	.78	.79	.79
6.9000	.80	.81	.82	.82	.83
6.9625	.84	.85	.85	.86	.87
7.0250	.88	.88	.89	.90	.91
7.0875	.91	.92	.93	.94	.94
7.1500	.95	.96	.97	.98	.98
7.2125	.99	1.00	1.01	1.02	1.02
7.2750	1.03	1.04	1.05	1.06	1.06
7.3375	1.07	1.08	1.09	1.10	1.11
7.4000	1.12	1.12	1.13	1.14	1.15
7.4625	1.16	1.17	1.18	1.18	1.19
7.5250	1.20	1.21	1.22	1.23	1.24
7.5875	1.25	1.25	1.26	1.27	1.28
7.6500	1.29	1.30	1.31	1.32	1.33
7.7125	1.34	1.35	1.35	1.36	1.37
7.7750	1.38	1.39	1.40	1.41	1.42
7.8375	1.43	1.44	1.45	1.46	1.47
7.9000	1.48	1.49	1.50	1.51	1.52
7.9625	1.53	1.54	1.55	1.56	1.57
8.0250	1.58	1.59	1.60	1.61	1.62
8.0875	1.63	1.64	1.65	1.66	1.67
8.1500	1.68	1.70	1.71	1.72	1.73
8.2125	1.75	1.76	1.78	1.79	1.80
8.2750	1.82	1.83	1.85	1.86	1.88
8.3375	1.90	1.91	1.93	1.94	1.96
8.4000	1.98	1.99	2.01	2.03	2.04
8.4625	2.06	2.08	2.09	2.11	2.13
8.5250	2.15	2.16	2.18	2.20	2.22
8.5875	2.24	2.25	2.27	2.29	2.31
8.6500	2.33	2.35	2.36	2.38	2.40
8.7125	2.42	2.44	2.46	2.48	2.50
8.7750	2.52	2.54	2.56	2.57	2.59
8.8375	2.61	2.63	2.65	2.67	2.69
8.9000	2.71	2.73	2.75	2.77	2.79
8.9625	2.82	2.84	2.86	2.88	2.90
9.0250	2.92	2.94	2.96	2.98	3.00
9.0875	3.02	3.04	3.07	3.09	3.11
9.1500	3.13	3.15	3.17	3.20	3.22
9.2125	3.24	3.26	3.28	3.31	3.33
9.2750	3.35	3.37	3.39	3.42	3.44

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.3375	3.46	3.49	3.51	3.53	3.55
9.4000	3.58	3.60	3.62	3.65	3.67
9.4625	3.69	3.72	3.74	3.76	3.79
9.5250	3.81	3.83	3.86	3.88	3.90
9.5875	3.93	3.95	3.98	4.00	4.02
9.6500	4.05	4.07	4.10	4.12	4.15
9.7125	4.17	4.20	4.22	4.25	4.27
9.7750	4.29	4.32	4.34	4.37	4.39
9.8375	4.42	4.44	4.47	4.49	4.52
9.9000	4.55	4.57	4.60	4.62	4.65
9.9625	4.67	4.70	4.72	4.75	4.78
10.0250	4.80	4.83	4.86	4.88	4.91
10.0875	4.94	4.97	5.00	5.03	5.06
10.1500	5.09	5.12	5.16	5.19	5.23
10.2125	5.26	5.30	5.34	5.37	5.41
10.2750	5.45	5.49	5.53	5.57	5.62
10.3375	5.66	5.70	5.74	5.79	5.83
10.4000	5.87	5.92	5.96	6.01	6.05
10.4625	6.10	6.15	6.19	6.24	6.28
10.5250	6.33	6.38	6.43	6.47	6.52
10.5875	6.57	6.61	6.66	6.71	6.76
10.6500	6.81	6.85	6.90	6.95	7.00
10.7125	7.05	7.10	7.15	7.20	7.25
10.7750	7.30	7.34	7.39	7.44	7.49
10.8375	7.54	7.59	7.64	7.70	7.75
10.9000	7.80	7.85	7.90	7.95	8.00
10.9625	8.05	8.11	8.16	8.21	8.26
11.0250	8.32	8.38	8.43	8.50	8.56
11.0875	8.62	8.69	8.77	8.84	8.93
11.1500	9.01	9.10	9.20	9.30	9.41
11.2125	9.52	9.64	9.76	9.89	10.02
11.2750	10.15	10.29	10.43	10.58	10.73
11.3375	10.88	11.03	11.19	11.34	11.50
11.4000	11.66	11.82	11.99	12.16	12.33
11.4625	12.50	12.66	12.84	13.03	13.22
11.5250	13.42	13.66	13.90	14.18	14.49
11.5875	14.81	15.22	15.67	16.12	16.69
11.6500	17.30	17.91	18.68	19.48	20.27
11.7125	21.27	22.27	23.29	24.43	25.58
11.7750	26.77	28.08	29.38	30.74	32.19
11.8375	33.64	35.12	36.64	38.15	39.78
11.9000	41.50	43.22	45.26	47.45	49.63
11.9625	52.43	55.35	58.28	62.02	65.80
12.0250	69.62	73.84	78.06	82.26	86.35
12.0875	90.45	94.31	97.63	100.96	103.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.1500	105.65	107.61	108.52	108.57	108.62
12.2125	107.58	106.01	104.44	102.16	99.70
12.2750	97.23	94.41	91.54	88.68	85.77
12.3375	82.87	80.01	77.43	74.85	72.34
12.4000	70.01	67.68	65.41	63.23	61.05
12.4625	58.93	56.87	54.81	52.81	50.84
12.5250	48.87	46.99	45.13	43.28	41.57
12.5875	39.87	38.17	36.65	35.12	33.62
12.6500	32.32	31.01	29.76	28.69	27.62
12.7125	26.62	25.75	24.88	24.09	23.40
12.7750	22.71	22.10	21.55	21.00	20.52
12.8375	20.07	19.62	19.23	18.85	18.48
12.9000	18.15	17.83	17.50	17.22	16.93
12.9625	16.66	16.40	16.15	15.90	15.67
13.0250	15.44	15.21	15.00	14.79	14.59
13.0875	14.39	14.20	14.02	13.85	13.67
13.1500	13.52	13.37	13.22	13.09	12.96
13.2125	12.83	12.72	12.61	12.51	12.42
13.2750	12.33	12.24	12.16	12.08	12.00
13.3375	11.93	11.86	11.80	11.73	11.67
13.4000	11.61	11.55	11.49	11.43	11.38
13.4625	11.32	11.27	11.21	11.16	11.10
13.5250	11.05	11.00	10.95	10.90	10.84
13.5875	10.79	10.74	10.69	10.64	10.59
13.6500	10.54	10.49	10.44	10.39	10.34
13.7125	10.29	10.24	10.18	10.13	10.08
13.7750	10.04	9.99	9.94	9.89	9.84
13.8375	9.79	9.74	9.69	9.64	9.59
13.9000	9.54	9.49	9.44	9.39	9.34
13.9625	9.29	9.24	9.19	9.14	9.09
14.0250	9.04	8.99	8.95	8.90	8.85
14.0875	8.80	8.76	8.71	8.67	8.63
14.1500	8.58	8.54	8.50	8.46	8.43
14.2125	8.39	8.36	8.32	8.29	8.26
14.2750	8.23	8.20	8.17	8.14	8.11
14.3375	8.08	8.06	8.03	8.00	7.98
14.4000	7.95	7.93	7.90	7.87	7.85
14.4625	7.83	7.80	7.78	7.75	7.73
14.5250	7.70	7.68	7.65	7.63	7.60
14.5875	7.58	7.55	7.53	7.51	7.48
14.6500	7.46	7.43	7.41	7.39	7.36
14.7125	7.34	7.31	7.29	7.27	7.24
14.7750	7.22	7.19	7.17	7.15	7.12
14.8375	7.10	7.07	7.05	7.03	7.00
14.9000	6.98	6.96	6.93	6.91	6.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	6.86	6.83	6.81	6.79	6.76
15.0250	6.74	6.71	6.69	6.67	6.64
15.0875	6.62	6.59	6.57	6.55	6.52
15.1500	6.50	6.47	6.45	6.43	6.40
15.2125	6.38	6.35	6.33	6.31	6.28
15.2750	6.26	6.23	6.21	6.19	6.16
15.3375	6.14	6.11	6.09	6.06	6.04
15.4000	6.02	5.99	5.97	5.94	5.92
15.4625	5.89	5.87	5.85	5.82	5.80
15.5250	5.77	5.75	5.72	5.70	5.68
15.5875	5.65	5.63	5.60	5.58	5.56
15.6500	5.53	5.51	5.48	5.46	5.43
15.7125	5.41	5.39	5.36	5.34	5.31
15.7750	5.29	5.27	5.24	5.22	5.19
15.8375	5.17	5.14	5.12	5.10	5.07
15.9000	5.05	5.02	5.00	4.97	4.95
15.9625	4.92	4.90	4.88	4.85	4.83
16.0250	4.80	4.78	4.76	4.73	4.71
16.0875	4.69	4.67	4.65	4.62	4.60
16.1500	4.58	4.57	4.55	4.53	4.51
16.2125	4.49	4.48	4.46	4.45	4.43
16.2750	4.42	4.40	4.39	4.37	4.36
16.3375	4.35	4.34	4.32	4.31	4.30
16.4000	4.29	4.28	4.26	4.25	4.24
16.4625	4.23	4.22	4.21	4.20	4.19
16.5250	4.18	4.16	4.15	4.14	4.13
16.5875	4.12	4.11	4.10	4.09	4.08
16.6500	4.07	4.06	4.05	4.04	4.03
16.7125	4.01	4.00	3.99	3.98	3.97
16.7750	3.96	3.95	3.94	3.93	3.92
16.8375	3.91	3.90	3.89	3.88	3.87
16.9000	3.86	3.84	3.83	3.82	3.81
16.9625	3.80	3.79	3.78	3.77	3.76
17.0250	3.75	3.74	3.73	3.72	3.71
17.0875	3.70	3.69	3.68	3.67	3.66
17.1500	3.64	3.63	3.62	3.61	3.60
17.2125	3.59	3.58	3.57	3.56	3.55
17.2750	3.54	3.53	3.52	3.51	3.50
17.3375	3.48	3.47	3.46	3.45	3.44
17.4000	3.43	3.42	3.41	3.40	3.39
17.4625	3.38	3.37	3.36	3.35	3.34
17.5250	3.33	3.32	3.31	3.29	3.28
17.5875	3.27	3.26	3.25	3.24	3.23
17.6500	3.22	3.21	3.20	3.19	3.18
17.7125	3.17	3.16	3.15	3.13	3.12

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	3.11	3.10	3.09	3.08	3.07
17.8375	3.06	3.05	3.04	3.03	3.02
17.9000	3.01	3.00	2.99	2.98	2.97
17.9625	2.95	2.94	2.93	2.92	2.91
18.0250	2.90	2.89	2.88	2.87	2.86
18.0875	2.85	2.84	2.83	2.82	2.81
18.1500	2.80	2.80	2.79	2.78	2.77
18.2125	2.77	2.76	2.76	2.75	2.74
18.2750	2.74	2.73	2.73	2.73	2.72
18.3375	2.72	2.71	2.71	2.70	2.70
18.4000	2.70	2.69	2.69	2.69	2.68
18.4625	2.68	2.68	2.67	2.67	2.67
18.5250	2.66	2.66	2.66	2.65	2.65
18.5875	2.65	2.64	2.64	2.64	2.63
18.6500	2.63	2.63	2.62	2.62	2.62
18.7125	2.61	2.61	2.61	2.60	2.60
18.7750	2.60	2.59	2.59	2.59	2.59
18.8375	2.58	2.58	2.58	2.57	2.57
18.9000	2.57	2.56	2.56	2.56	2.55
18.9625	2.55	2.55	2.54	2.54	2.54
19.0250	2.53	2.53	2.53	2.53	2.52
19.0875	2.52	2.52	2.51	2.51	2.51
19.1500	2.50	2.50	2.50	2.49	2.49
19.2125	2.49	2.48	2.48	2.48	2.47
19.2750	2.47	2.47	2.46	2.46	2.46
19.3375	2.45	2.45	2.45	2.45	2.44
19.4000	2.44	2.44	2.43	2.43	2.43
19.4625	2.42	2.42	2.42	2.41	2.41
19.5250	2.41	2.40	2.40	2.40	2.39
19.5875	2.39	2.39	2.38	2.38	2.38
19.6500	2.38	2.37	2.37	2.37	2.36
19.7125	2.36	2.36	2.35	2.35	2.35
19.7750	2.34	2.34	2.34	2.33	2.33
19.8375	2.33	2.32	2.32	2.32	2.32
19.9000	2.31	2.31	2.31	2.30	2.30
19.9625	2.30	2.29	2.29	2.29	2.28
20.0250	2.28	2.28	2.27	2.27	2.27
20.0875	2.26	2.26	2.26	2.25	2.25
20.1500	2.25	2.25	2.24	2.24	2.24
20.2125	2.24	2.23	2.23	2.23	2.23
20.2750	2.22	2.22	2.22	2.22	2.21
20.3375	2.21	2.21	2.21	2.20	2.20
20.4000	2.20	2.20	2.19	2.19	2.19
20.4625	2.18	2.18	2.18	2.18	2.17
20.5250	2.17	2.17	2.17	2.17	2.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	2.16	2.16	2.16	2.15	2.15
20.6500	2.15	2.15	2.14	2.14	2.14
20.7125	2.14	2.13	2.13	2.13	2.12
20.7750	2.12	2.12	2.12	2.12	2.11
20.8375	2.11	2.11	2.11	2.10	2.10
20.9000	2.10	2.10	2.10	2.09	2.09
20.9625	2.09	2.09	2.08	2.08	2.08
21.0250	2.08	2.08	2.07	2.07	2.07
21.0875	2.07	2.06	2.06	2.06	2.06
21.1500	2.06	2.05	2.05	2.05	2.04
21.2125	2.04	2.04	2.04	2.03	2.03
21.2750	2.03	2.03	2.02	2.02	2.02
21.3375	2.02	2.01	2.01	2.01	2.01
21.4000	2.01	2.00	2.00	2.00	2.00
21.4625	1.99	1.99	1.99	1.99	1.98
21.5250	1.98	1.98	1.97	1.97	1.97
21.5875	1.97	1.96	1.96	1.96	1.96
21.6500	1.96	1.95	1.95	1.95	1.95
21.7125	1.94	1.94	1.94	1.94	1.93
21.7750	1.93	1.93	1.93	1.93	1.92
21.8375	1.92	1.92	1.92	1.92	1.91
21.9000	1.91	1.91	1.91	1.90	1.90
21.9625	1.90	1.90	1.89	1.89	1.89
22.0250	1.89	1.88	1.88	1.88	1.88
22.0875	1.87	1.87	1.87	1.87	1.86
22.1500	1.86	1.86	1.86	1.85	1.85
22.2125	1.85	1.85	1.85	1.84	1.84
22.2750	1.84	1.84	1.83	1.83	1.83
22.3375	1.82	1.82	1.82	1.82	1.81
22.4000	1.81	1.81	1.81	1.80	1.80
22.4625	1.80	1.80	1.80	1.79	1.79
22.5250	1.79	1.79	1.78	1.78	1.78
22.5875	1.78	1.77	1.77	1.77	1.77
22.6500	1.77	1.76	1.76	1.76	1.76
22.7125	1.76	1.75	1.75	1.75	1.75
22.7750	1.74	1.74	1.74	1.73	1.73
22.8375	1.73	1.73	1.72	1.72	1.72
22.9000	1.72	1.71	1.71	1.71	1.71
22.9625	1.71	1.70	1.70	1.70	1.70
23.0250	1.69	1.69	1.69	1.69	1.68
23.0875	1.68	1.68	1.68	1.67	1.67
23.1500	1.67	1.66	1.66	1.66	1.66
23.2125	1.65	1.65	1.65	1.65	1.65
23.2750	1.64	1.64	1.64	1.64	1.63
23.3375	1.63	1.63	1.63	1.63	1.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	1.62	1.62	1.62	1.61	1.61
23.4625	1.61	1.61	1.61	1.60	1.60
23.5250	1.60	1.60	1.59	1.59	1.59
23.5875	1.59	1.58	1.58	1.58	1.58
23.6500	1.57	1.57	1.57	1.57	1.56
23.7125	1.56	1.56	1.56	1.55	1.55
23.7750	1.55	1.55	1.54	1.54	1.54
23.8375	1.54	1.54	1.53	1.53	1.53
23.9000	1.52	1.52	1.52	1.52	1.51
23.9625	1.51	1.51	1.50	1.50	1.49
24.0250	1.48	1.46	1.44	1.41	1.38
24.0875	1.33	1.27	1.22	1.15	1.08
24.1500	1.00	.93	.85	.78	.70
24.2125	.64	.57	.51	.46	.40
24.2750	.36	.32	.28	.26	.23
24.3375	.20	.18	.16	.14	.13
24.4000	.11	.10	.09	.08	.07
24.4625	.06	.06	.05	.05	.04
24.5250	.04	.03	.03	.02	.02
24.5875	.02	.02	.02	.01	.01
24.6500	.01	.01	.01	.01	.01
24.7125	.01	.00	.00	.00	.00
24.7750	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH AA-2       D.A. AA-2       work_pad.hyg  D.A. AA-2     10
=====

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INFLOWS TO: WQBASIN AA IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg D.A. AA-2     10           847615      12.1750     183.42

```

TOTAL FLOW INTO: WQBASIN AA IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg WQBASIN AA   IN  10           847615      12.1750     183.42

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA IN

HYG Tag = 10

 Peak Discharge = 183.42 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 847615 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
3.1375	.00	.00	.00	.00	.00
3.2000	.00	.01	.01	.01	.01
3.2625	.02	.02	.02	.03	.03
3.3250	.03	.04	.04	.05	.05
3.3875	.06	.06	.07	.07	.08
3.4500	.08	.09	.10	.10	.11
3.5125	.11	.12	.12	.13	.14
3.5750	.14	.15	.16	.16	.17
3.6375	.17	.18	.19	.19	.20
3.7000	.21	.21	.22	.22	.23
3.7625	.24	.24	.25	.26	.26
3.8250	.27	.28	.28	.29	.30
3.8875	.30	.31	.32	.32	.33
3.9500	.34	.34	.35	.36	.36
4.0125	.37	.38	.38	.39	.40
4.0750	.40	.41	.42	.42	.43
4.1375	.44	.44	.45	.46	.46
4.2000	.47	.48	.48	.49	.50
4.2625	.50	.51	.52	.52	.53
4.3250	.54	.55	.55	.56	.57
4.3875	.57	.58	.59	.59	.60
4.4500	.61	.61	.62	.63	.64
4.5125	.64	.65	.66	.66	.67
4.5750	.68	.69	.69	.70	.71
4.6375	.71	.72	.73	.73	.74
4.7000	.75	.76	.76	.77	.78
4.7625	.78	.79	.80	.81	.81
4.8250	.82	.83	.84	.84	.85
4.8875	.86	.86	.87	.88	.89
4.9500	.89	.90	.91	.91	.92
5.0125	.93	.94	.94	.95	.96

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.0750	.97	.97	.98	.99	1.00
5.1375	1.00	1.01	1.02	1.02	1.03
5.2000	1.04	1.05	1.05	1.06	1.07
5.2625	1.08	1.08	1.09	1.10	1.11
5.3250	1.11	1.12	1.13	1.14	1.14
5.3875	1.15	1.16	1.17	1.17	1.18
5.4500	1.19	1.20	1.20	1.21	1.22
5.5125	1.23	1.23	1.24	1.25	1.26
5.5750	1.26	1.27	1.28	1.29	1.29
5.6375	1.30	1.31	1.32	1.32	1.33
5.7000	1.34	1.35	1.35	1.36	1.37
5.7625	1.38	1.38	1.39	1.40	1.41
5.8250	1.42	1.42	1.43	1.44	1.45
5.8875	1.45	1.46	1.47	1.48	1.48
5.9500	1.49	1.50	1.51	1.51	1.52
6.0125	1.53	1.54	1.55	1.55	1.56
6.0750	1.57	1.58	1.59	1.60	1.60
6.1375	1.61	1.62	1.63	1.64	1.65
6.2000	1.66	1.67	1.68	1.69	1.70
6.2625	1.71	1.73	1.74	1.75	1.76
6.3250	1.77	1.78	1.80	1.81	1.82
6.3875	1.83	1.85	1.86	1.87	1.89
6.4500	1.90	1.91	1.92	1.94	1.95
6.5125	1.96	1.98	1.99	2.00	2.02
6.5750	2.03	2.04	2.06	2.07	2.09
6.6375	2.10	2.11	2.13	2.14	2.16
6.7000	2.17	2.18	2.20	2.21	2.23
6.7625	2.24	2.26	2.27	2.28	2.30
6.8250	2.31	2.33	2.34	2.36	2.37
6.8875	2.39	2.40	2.42	2.43	2.45
6.9500	2.46	2.48	2.49	2.51	2.52
7.0125	2.54	2.55	2.57	2.58	2.60
7.0750	2.61	2.63	2.64	2.66	2.68
7.1375	2.69	2.71	2.72	2.74	2.75
7.2000	2.77	2.79	2.80	2.82	2.83
7.2625	2.85	2.87	2.88	2.90	2.91
7.3250	2.93	2.95	2.96	2.98	3.00
7.3875	3.01	3.03	3.05	3.06	3.08
7.4500	3.10	3.11	3.13	3.15	3.16
7.5125	3.18	3.20	3.21	3.23	3.25
7.5750	3.26	3.28	3.30	3.31	3.33
7.6375	3.35	3.37	3.38	3.40	3.42
7.7000	3.43	3.45	3.47	3.49	3.51
7.7625	3.52	3.54	3.56	3.58	3.59
7.8250	3.61	3.63	3.65	3.66	3.68

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.8875	3.70	3.72	3.74	3.75	3.77
7.9500	3.79	3.81	3.83	3.84	3.86
8.0125	3.88	3.90	3.92	3.94	3.95
8.0750	3.97	3.99	4.01	4.03	4.06
8.1375	4.08	4.10	4.12	4.15	4.17
8.2000	4.20	4.22	4.25	4.28	4.31
8.2625	4.33	4.36	4.39	4.42	4.45
8.3250	4.48	4.51	4.54	4.58	4.61
8.3875	4.64	4.67	4.70	4.74	4.77
8.4500	4.80	4.83	4.87	4.90	4.93
8.5125	4.97	5.00	5.04	5.07	5.10
8.5750	5.14	5.17	5.21	5.24	5.28
8.6375	5.31	5.35	5.38	5.42	5.45
8.7000	5.49	5.52	5.56	5.60	5.63
8.7625	5.67	5.71	5.74	5.78	5.81
8.8250	5.85	5.89	5.92	5.96	6.00
8.8875	6.03	6.07	6.11	6.15	6.18
8.9500	6.22	6.26	6.30	6.33	6.37
9.0125	6.41	6.45	6.49	6.52	6.56
9.0750	6.60	6.64	6.68	6.71	6.75
9.1375	6.79	6.83	6.87	6.91	6.95
9.2000	6.99	7.03	7.07	7.11	7.15
9.2625	7.19	7.22	7.26	7.30	7.34
9.3250	7.38	7.42	7.46	7.50	7.54
9.3875	7.58	7.62	7.66	7.70	7.75
9.4500	7.79	7.83	7.87	7.91	7.95
9.5125	7.99	8.03	8.07	8.11	8.15
9.5750	8.20	8.24	8.28	8.32	8.36
9.6375	8.40	8.44	8.49	8.53	8.57
9.7000	8.61	8.65	8.70	8.74	8.78
9.7625	8.82	8.86	8.91	8.95	8.99
9.8250	9.03	9.08	9.12	9.16	9.20
9.8875	9.25	9.29	9.33	9.37	9.42
9.9500	9.46	9.50	9.55	9.59	9.63
10.0125	9.68	9.72	9.77	9.81	9.86
10.0750	9.90	9.95	10.00	10.05	10.10
10.1375	10.15	10.21	10.26	10.32	10.38
10.2000	10.44	10.50	10.56	10.63	10.70
10.2625	10.76	10.83	10.90	10.97	11.05
10.3250	11.12	11.19	11.27	11.34	11.42
10.3875	11.49	11.57	11.65	11.72	11.80
10.4500	11.88	11.96	12.04	12.12	12.20
10.5125	12.28	12.36	12.44	12.52	12.60
10.5750	12.68	12.76	12.84	12.92	13.01
10.6375	13.09	13.17	13.25	13.33	13.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.7000	13.50	13.58	13.67	13.75	13.83
10.7625	13.91	14.00	14.08	14.16	14.25
10.8250	14.33	14.42	14.50	14.58	14.67
10.8875	14.75	14.84	14.92	15.01	15.10
10.9500	15.18	15.27	15.35	15.44	15.53
11.0125	15.61	15.71	15.80	15.90	16.00
11.0750	16.11	16.21	16.34	16.46	16.59
11.1375	16.73	16.88	17.03	17.21	17.38
11.2000	17.56	17.76	17.96	18.18	18.40
11.2625	18.62	18.86	19.10	19.34	19.60
11.3250	19.86	20.12	20.39	20.66	20.93
11.3875	21.21	21.49	21.77	22.06	22.34
11.4500	22.63	22.92	23.21	23.51	23.84
11.5125	24.16	24.52	24.93	25.34	25.82
11.5750	26.38	26.93	27.63	28.43	29.22
11.6375	30.22	31.29	32.35	33.71	35.10
11.7000	36.49	38.24	39.98	41.76	43.75
11.7625	45.75	47.80	50.06	52.33	54.67
11.8250	57.16	59.65	62.19	64.76	67.34
11.8875	70.11	73.02	75.92	79.37	83.04
11.9500	86.72	91.41	96.32	101.22	107.47
12.0125	113.79	120.16	127.17	134.17	141.13
12.0750	147.86	154.59	160.90	166.28	171.66
12.1375	176.03	179.08	182.13	183.42	183.27
12.2000	183.12	181.16	178.32	175.48	171.48
12.2625	167.18	162.88	158.00	153.07	148.13
12.3250	143.17	138.20	133.32	128.93	124.54
12.3875	120.26	116.31	112.36	108.52	104.84
12.4500	101.16	97.59	94.13	90.67	87.31
12.5125	84.01	80.72	77.58	74.49	71.40
12.5750	68.54	65.72	62.90	60.36	57.83
12.6375	55.34	53.18	51.01	48.94	47.16
12.7000	45.39	43.73	42.29	40.85	39.55
12.7625	38.41	37.26	36.26	35.34	34.43
12.8250	33.64	32.89	32.15	31.50	30.88
12.8875	30.25	29.71	29.18	28.64	28.17
12.9500	27.70	27.24	26.83	26.41	26.01
13.0125	25.62	25.24	24.87	24.52	24.17
13.0750	23.84	23.52	23.20	22.91	22.62
13.1375	22.33	22.08	21.83	21.58	21.37
13.2000	21.16	20.95	20.77	20.59	20.41
13.2625	20.26	20.11	19.97	19.84	19.71
13.3250	19.58	19.47	19.35	19.24	19.14
13.3875	19.03	18.93	18.83	18.74	18.64
13.4500	18.55	18.45	18.36	18.28	18.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.5125	18.10	18.01	17.92	17.84	17.75
13.5750	17.67	17.58	17.50	17.41	17.33
13.6375	17.25	17.16	17.08	17.00	16.91
13.7000	16.83	16.75	16.66	16.58	16.50
13.7625	16.42	16.34	16.25	16.17	16.09
13.8250	16.01	15.93	15.85	15.76	15.68
13.8875	15.60	15.52	15.44	15.36	15.28
13.9500	15.20	15.11	15.03	14.95	14.87
14.0125	14.79	14.71	14.63	14.55	14.47
14.0750	14.39	14.32	14.24	14.16	14.09
14.1375	14.02	13.95	13.89	13.82	13.76
14.2000	13.70	13.64	13.58	13.53	13.47
14.2625	13.42	13.37	13.32	13.27	13.23
14.3250	13.18	13.13	13.09	13.04	13.00
14.3875	12.96	12.91	12.87	12.83	12.79
14.4500	12.75	12.71	12.67	12.63	12.59
14.5125	12.54	12.50	12.46	12.42	12.38
14.5750	12.34	12.30	12.26	12.22	12.18
14.6375	12.14	12.10	12.06	12.03	11.99
14.7000	11.95	11.91	11.87	11.83	11.79
14.7625	11.75	11.71	11.67	11.63	11.59
14.8250	11.55	11.52	11.48	11.44	11.40
14.8875	11.36	11.32	11.28	11.24	11.20
14.9500	11.16	11.12	11.08	11.04	11.01
15.0125	10.97	10.93	10.89	10.85	10.81
15.0750	10.77	10.73	10.69	10.65	10.61
15.1375	10.57	10.53	10.49	10.45	10.41
15.2000	10.38	10.34	10.30	10.26	10.22
15.2625	10.18	10.14	10.10	10.06	10.02
15.3250	9.98	9.94	9.90	9.87	9.83
15.3875	9.79	9.75	9.71	9.67	9.63
15.4500	9.59	9.55	9.51	9.47	9.43
15.5125	9.39	9.35	9.31	9.27	9.23
15.5750	9.19	9.15	9.11	9.08	9.04
15.6375	9.00	8.96	8.92	8.88	8.84
15.7000	8.80	8.76	8.72	8.68	8.64
15.7625	8.60	8.56	8.52	8.49	8.45
15.8250	8.41	8.37	8.33	8.29	8.25
15.8875	8.21	8.17	8.13	8.09	8.05
15.9500	8.01	7.97	7.93	7.89	7.85
16.0125	7.81	7.77	7.74	7.70	7.66
16.0750	7.62	7.59	7.55	7.52	7.48
16.1375	7.45	7.42	7.39	7.36	7.33
16.2000	7.30	7.27	7.24	7.22	7.19
16.2625	7.17	7.14	7.12	7.10	7.08

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.3250	7.06	7.03	7.01	6.99	6.98
16.3875	6.96	6.94	6.92	6.90	6.88
16.4500	6.86	6.84	6.82	6.81	6.79
16.5125	6.77	6.75	6.74	6.72	6.70
16.5750	6.68	6.67	6.65	6.63	6.61
16.6375	6.60	6.58	6.56	6.54	6.53
16.7000	6.51	6.49	6.47	6.46	6.44
16.7625	6.42	6.41	6.39	6.37	6.35
16.8250	6.34	6.32	6.30	6.28	6.27
16.8875	6.25	6.23	6.22	6.20	6.18
16.9500	6.16	6.15	6.13	6.11	6.10
17.0125	6.08	6.06	6.04	6.03	6.01
17.0750	5.99	5.98	5.96	5.94	5.92
17.1375	5.91	5.89	5.87	5.86	5.84
17.2000	5.82	5.81	5.79	5.77	5.75
17.2625	5.73	5.72	5.70	5.68	5.67
17.3250	5.65	5.63	5.61	5.60	5.58
17.3875	5.56	5.55	5.53	5.51	5.49
17.4500	5.48	5.46	5.44	5.42	5.41
17.5125	5.39	5.37	5.36	5.34	5.32
17.5750	5.31	5.29	5.27	5.25	5.24
17.6375	5.22	5.20	5.18	5.17	5.15
17.7000	5.13	5.12	5.10	5.08	5.06
17.7625	5.05	5.03	5.01	5.00	4.98
17.8250	4.96	4.94	4.93	4.91	4.89
17.8875	4.87	4.86	4.84	4.82	4.81
17.9500	4.79	4.77	4.75	4.74	4.72
18.0125	4.70	4.69	4.67	4.65	4.63
18.0750	4.62	4.60	4.59	4.57	4.55
18.1375	4.54	4.53	4.51	4.50	4.49
18.2000	4.48	4.47	4.46	4.45	4.44
18.2625	4.43	4.42	4.42	4.41	4.40
18.3250	4.39	4.39	4.38	4.37	4.37
18.3875	4.36	4.35	4.35	4.34	4.34
18.4500	4.33	4.33	4.32	4.31	4.31
18.5125	4.30	4.30	4.29	4.29	4.28
18.5750	4.28	4.27	4.27	4.26	4.26
18.6375	4.25	4.24	4.24	4.23	4.23
18.7000	4.22	4.22	4.21	4.21	4.20
18.7625	4.20	4.19	4.19	4.18	4.18
18.8250	4.17	4.17	4.16	4.16	4.15
18.8875	4.15	4.14	4.14	4.13	4.13
18.9500	4.12	4.12	4.11	4.10	4.10
19.0125	4.09	4.09	4.08	4.08	4.07
19.0750	4.07	4.06	4.06	4.05	4.05

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.1375	4.04	4.04	4.03	4.03	4.02
19.2000	4.02	4.01	4.01	4.00	4.00
19.2625	3.99	3.99	3.98	3.98	3.97
19.3250	3.97	3.96	3.96	3.95	3.94
19.3875	3.94	3.93	3.93	3.92	3.92
19.4500	3.91	3.91	3.90	3.90	3.89
19.5125	3.89	3.88	3.88	3.87	3.87
19.5750	3.86	3.86	3.85	3.85	3.84
19.6375	3.84	3.83	3.83	3.82	3.82
19.7000	3.81	3.81	3.80	3.80	3.79
19.7625	3.78	3.78	3.77	3.77	3.76
19.8250	3.76	3.75	3.75	3.74	3.74
19.8875	3.73	3.73	3.72	3.72	3.71
19.9500	3.71	3.70	3.70	3.69	3.69
20.0125	3.68	3.68	3.67	3.67	3.66
20.0750	3.66	3.65	3.65	3.64	3.64
20.1375	3.63	3.63	3.62	3.62	3.61
20.2000	3.61	3.60	3.60	3.60	3.59
20.2625	3.59	3.59	3.58	3.58	3.57
20.3250	3.57	3.57	3.56	3.56	3.55
20.3875	3.55	3.54	3.54	3.54	3.53
20.4500	3.53	3.52	3.52	3.51	3.51
20.5125	3.51	3.50	3.50	3.49	3.49
20.5750	3.49	3.48	3.48	3.48	3.47
20.6375	3.47	3.46	3.46	3.46	3.45
20.7000	3.45	3.44	3.44	3.43	3.43
20.7625	3.43	3.42	3.42	3.41	3.41
20.8250	3.41	3.40	3.40	3.40	3.39
20.8875	3.39	3.38	3.38	3.38	3.37
20.9500	3.37	3.37	3.36	3.36	3.35
21.0125	3.35	3.35	3.34	3.34	3.34
21.0750	3.33	3.33	3.33	3.32	3.32
21.1375	3.32	3.31	3.31	3.30	3.30
21.2000	3.30	3.29	3.29	3.28	3.28
21.2625	3.27	3.27	3.27	3.26	3.26
21.3250	3.25	3.25	3.25	3.24	3.24
21.3875	3.24	3.23	3.23	3.22	3.22
21.4500	3.22	3.21	3.21	3.20	3.20
21.5125	3.20	3.19	3.19	3.18	3.18
21.5750	3.17	3.17	3.17	3.16	3.16
21.6375	3.15	3.15	3.15	3.14	3.14
21.7000	3.14	3.13	3.13	3.13	3.12
21.7625	3.12	3.11	3.11	3.11	3.10
21.8250	3.10	3.10	3.09	3.09	3.09
21.8875	3.08	3.08	3.08	3.07	3.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9500	3.06	3.06	3.06	3.05	3.05
22.0125	3.04	3.04	3.03	3.03	3.03
22.0750	3.02	3.02	3.01	3.01	3.01
22.1375	3.00	3.00	2.99	2.99	2.99
22.2000	2.98	2.98	2.98	2.97	2.97
22.2625	2.96	2.96	2.96	2.95	2.95
22.3250	2.94	2.94	2.93	2.93	2.92
22.3875	2.92	2.92	2.91	2.91	2.91
22.4500	2.90	2.90	2.90	2.89	2.89
22.5125	2.88	2.88	2.88	2.87	2.87
22.5750	2.87	2.86	2.86	2.85	2.85
22.6375	2.85	2.84	2.84	2.84	2.83
22.7000	2.83	2.83	2.82	2.82	2.82
22.7625	2.81	2.81	2.80	2.80	2.79
22.8250	2.79	2.79	2.78	2.78	2.77
22.8875	2.77	2.77	2.76	2.76	2.75
22.9500	2.75	2.75	2.74	2.74	2.74
23.0125	2.73	2.73	2.72	2.72	2.72
23.0750	2.71	2.71	2.70	2.70	2.69
23.1375	2.69	2.68	2.68	2.68	2.67
23.2000	2.67	2.66	2.66	2.66	2.65
23.2625	2.65	2.65	2.64	2.64	2.64
23.3250	2.63	2.63	2.62	2.62	2.62
23.3875	2.61	2.61	2.61	2.60	2.60
23.4500	2.60	2.59	2.59	2.59	2.58
23.5125	2.58	2.58	2.57	2.57	2.56
23.5750	2.56	2.55	2.55	2.55	2.54
23.6375	2.54	2.53	2.53	2.52	2.52
23.7000	2.52	2.51	2.51	2.50	2.50
23.7625	2.50	2.49	2.49	2.49	2.48
23.8250	2.48	2.48	2.47	2.47	2.46
23.8875	2.46	2.45	2.45	2.45	2.44
23.9500	2.44	2.43	2.43	2.42	2.41
24.0125	2.40	2.38	2.35	2.32	2.27
24.0750	2.21	2.15	2.05	1.96	1.85
24.1375	1.73	1.61	1.49	1.37	1.25
24.2000	1.13	1.02	.91	.82	.73
24.2625	.64	.58	.52	.45	.41
24.3250	.37	.32	.29	.26	.23
24.3875	.21	.18	.16	.15	.13
24.4500	.12	.10	.09	.08	.07
24.5125	.06	.06	.05	.04	.04
24.5750	.04	.03	.03	.02	.02
24.6375	.02	.02	.01	.01	.01
24.7000	.01	.01	.01	.01	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.7625	.00	.00	.00	.00	.00
24.8250	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH AA-2        D.A. AA-2      work_pad.hyg  D.A. AA-2     25
=====

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INFLOWS TO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. AA-2      25             1029602     12.1750     220.48

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TOTAL FLOW INTO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  WQBASIN AA    IN  25             1029602     12.1750     220.48

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA IN

HYG Tag = 25

 Peak Discharge = 220.48 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 1029602 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
2.7000	.00	.00	.00	.00	.00
2.7625	.00	.01	.01	.01	.01
2.8250	.02	.02	.02	.03	.03
2.8875	.04	.04	.05	.06	.06
2.9500	.07	.07	.08	.09	.09
3.0125	.10	.11	.11	.12	.13
3.0750	.14	.14	.15	.16	.17
3.1375	.17	.18	.19	.20	.20
3.2000	.21	.22	.23	.24	.24
3.2625	.25	.26	.27	.28	.28
3.3250	.29	.30	.31	.32	.32
3.3875	.33	.34	.35	.36	.36
3.4500	.37	.38	.39	.40	.40
3.5125	.41	.42	.43	.44	.45
3.5750	.45	.46	.47	.48	.49
3.6375	.50	.50	.51	.52	.53
3.7000	.54	.55	.55	.56	.57
3.7625	.58	.59	.60	.60	.61
3.8250	.62	.63	.64	.65	.66
3.8875	.66	.67	.68	.69	.70
3.9500	.71	.72	.72	.73	.74
4.0125	.75	.76	.77	.78	.78
4.0750	.79	.80	.81	.82	.83
4.1375	.84	.85	.85	.86	.87
4.2000	.88	.89	.90	.91	.92
4.2625	.92	.93	.94	.95	.96
4.3250	.97	.98	.99	1.00	1.00
4.3875	1.01	1.02	1.03	1.04	1.05
4.4500	1.06	1.07	1.07	1.08	1.09
4.5125	1.10	1.11	1.12	1.13	1.14
4.5750	1.15	1.16	1.16	1.17	1.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.6375	1.19	1.20	1.21	1.22	1.23
4.7000	1.24	1.25	1.25	1.26	1.27
4.7625	1.28	1.29	1.30	1.31	1.32
4.8250	1.33	1.34	1.35	1.35	1.36
4.8875	1.37	1.38	1.39	1.40	1.41
4.9500	1.42	1.43	1.44	1.45	1.46
5.0125	1.46	1.47	1.48	1.49	1.50
5.0750	1.51	1.52	1.53	1.54	1.55
5.1375	1.56	1.57	1.57	1.58	1.59
5.2000	1.60	1.61	1.62	1.63	1.64
5.2625	1.65	1.66	1.67	1.68	1.69
5.3250	1.69	1.70	1.71	1.72	1.73
5.3875	1.74	1.75	1.76	1.77	1.78
5.4500	1.79	1.80	1.81	1.82	1.82
5.5125	1.83	1.84	1.85	1.86	1.87
5.5750	1.88	1.89	1.90	1.91	1.92
5.6375	1.93	1.94	1.95	1.96	1.97
5.7000	1.97	1.98	1.99	2.00	2.01
5.7625	2.02	2.03	2.04	2.05	2.06
5.8250	2.07	2.08	2.09	2.10	2.11
5.8875	2.12	2.12	2.13	2.14	2.15
5.9500	2.16	2.17	2.18	2.19	2.20
6.0125	2.21	2.22	2.23	2.24	2.25
6.0750	2.26	2.27	2.28	2.29	2.30
6.1375	2.31	2.32	2.34	2.35	2.36
6.2000	2.37	2.39	2.40	2.41	2.43
6.2625	2.44	2.46	2.47	2.48	2.50
6.3250	2.52	2.53	2.55	2.56	2.58
6.3875	2.59	2.61	2.63	2.64	2.66
6.4500	2.68	2.69	2.71	2.73	2.74
6.5125	2.76	2.78	2.79	2.81	2.83
6.5750	2.85	2.86	2.88	2.90	2.92
6.6375	2.93	2.95	2.97	2.99	3.00
6.7000	3.02	3.04	3.06	3.08	3.10
6.7625	3.11	3.13	3.15	3.17	3.19
6.8250	3.20	3.22	3.24	3.26	3.28
6.8875	3.30	3.32	3.33	3.35	3.37
6.9500	3.39	3.41	3.43	3.45	3.47
7.0125	3.49	3.51	3.53	3.54	3.56
7.0750	3.58	3.60	3.62	3.64	3.66
7.1375	3.68	3.70	3.72	3.74	3.76
7.2000	3.78	3.80	3.82	3.84	3.86
7.2625	3.88	3.90	3.92	3.94	3.96
7.3250	3.98	4.00	4.02	4.04	4.06
7.3875	4.08	4.10	4.12	4.14	4.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
7.4500	4.18	4.20	4.22	4.25	4.27
7.5125	4.29	4.31	4.33	4.35	4.37
7.5750	4.39	4.41	4.43	4.45	4.48
7.6375	4.50	4.52	4.54	4.56	4.58
7.7000	4.60	4.62	4.65	4.67	4.69
7.7625	4.71	4.73	4.75	4.78	4.80
7.8250	4.82	4.84	4.86	4.88	4.91
7.8875	4.93	4.95	4.97	4.99	5.01
7.9500	5.04	5.06	5.08	5.10	5.13
8.0125	5.15	5.17	5.19	5.22	5.24
8.0750	5.26	5.29	5.31	5.34	5.36
8.1375	5.39	5.42	5.45	5.48	5.51
8.2000	5.54	5.57	5.60	5.64	5.67
8.2625	5.71	5.74	5.78	5.82	5.85
8.3250	5.89	5.93	5.97	6.01	6.05
8.3875	6.09	6.13	6.17	6.21	6.25
8.4500	6.29	6.33	6.37	6.41	6.45
8.5125	6.50	6.54	6.58	6.62	6.67
8.5750	6.71	6.75	6.79	6.84	6.88
8.6375	6.92	6.97	7.01	7.05	7.10
8.7000	7.14	7.18	7.23	7.27	7.32
8.7625	7.36	7.41	7.45	7.50	7.54
8.8250	7.59	7.63	7.68	7.72	7.77
8.8875	7.81	7.86	7.90	7.95	7.99
8.9500	8.04	8.09	8.13	8.18	8.22
9.0125	8.27	8.32	8.36	8.41	8.45
9.0750	8.50	8.55	8.59	8.64	8.69
9.1375	8.74	8.78	8.83	8.88	8.93
9.2000	8.97	9.02	9.07	9.12	9.16
9.2625	9.21	9.26	9.31	9.36	9.40
9.3250	9.45	9.50	9.55	9.60	9.65
9.3875	9.69	9.74	9.79	9.84	9.89
9.4500	9.94	9.99	10.03	10.08	10.13
9.5125	10.18	10.23	10.28	10.33	10.38
9.5750	10.43	10.48	10.53	10.58	10.63
9.6375	10.68	10.73	10.78	10.83	10.88
9.7000	10.93	10.98	11.03	11.08	11.13
9.7625	11.18	11.23	11.28	11.33	11.38
9.8250	11.43	11.48	11.54	11.59	11.64
9.8875	11.69	11.74	11.79	11.84	11.89
9.9500	11.94	11.99	12.04	12.10	12.15
10.0125	12.20	12.25	12.31	12.36	12.41
10.0750	12.47	12.53	12.58	12.64	12.71
10.1375	12.77	12.83	12.90	12.97	13.04
10.2000	13.11	13.19	13.26	13.34	13.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.2625	13.50	13.59	13.67	13.76	13.84
10.3250	13.93	14.02	14.11	14.20	14.29
10.3875	14.38	14.47	14.57	14.66	14.76
10.4500	14.85	14.95	15.04	15.14	15.23
10.5125	15.33	15.42	15.52	15.62	15.72
10.5750	15.81	15.91	16.01	16.11	16.21
10.6375	16.30	16.40	16.50	16.60	16.70
10.7000	16.80	16.90	17.00	17.10	17.19
10.7625	17.29	17.39	17.49	17.59	17.69
10.8250	17.79	17.89	17.99	18.09	18.19
10.8875	18.30	18.40	18.50	18.60	18.70
10.9500	18.81	18.91	19.01	19.11	19.22
11.0125	19.32	19.43	19.55	19.66	19.78
11.0750	19.91	20.04	20.18	20.33	20.48
11.1375	20.66	20.84	21.02	21.23	21.44
11.2000	21.66	21.90	22.15	22.40	22.67
11.2625	22.94	23.23	23.52	23.82	24.13
11.3250	24.44	24.76	25.08	25.41	25.73
11.3875	26.07	26.41	26.75	27.10	27.45
11.4500	27.80	28.15	28.49	28.86	29.25
11.5125	29.64	30.07	30.56	31.06	31.64
11.5750	32.31	32.98	33.84	34.80	35.76
11.6375	36.97	38.27	39.56	41.20	42.89
11.7000	44.58	46.69	48.81	50.96	53.37
11.7625	55.79	58.28	61.01	63.74	66.57
11.8250	69.58	72.59	75.64	78.74	81.85
11.8875	85.18	88.67	92.15	96.30	100.71
11.9500	105.12	110.75	116.63	122.51	130.00
12.0125	137.57	145.20	153.58	161.97	170.28
12.0750	178.31	186.34	193.86	200.26	206.65
12.1375	211.83	215.42	219.01	220.48	220.23
12.2000	219.98	217.56	214.09	210.61	205.77
12.2625	200.55	195.34	189.45	183.50	177.54
12.3250	171.56	165.57	159.69	154.40	149.11
12.3875	143.97	139.22	134.47	129.84	125.42
12.4500	121.00	116.71	112.56	108.40	104.38
12.5125	100.42	96.47	92.71	89.01	85.31
12.5750	81.89	78.51	75.13	72.10	69.07
12.6375	66.09	63.50	60.91	58.43	56.30
12.7000	54.18	52.20	50.47	48.75	47.20
12.7625	45.83	44.46	43.26	42.17	41.08
12.8250	40.13	39.24	38.34	37.57	36.83
12.8875	36.08	35.44	34.80	34.16	33.60
12.9500	33.04	32.49	31.99	31.49	31.01
13.0125	30.55	30.09	29.65	29.23	28.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.0750	28.42	28.04	27.66	27.31	26.96
13.1375	26.62	26.32	26.02	25.72	25.47
13.2000	25.22	24.97	24.75	24.54	24.33
13.2625	24.15	23.97	23.80	23.64	23.49
13.3250	23.34	23.20	23.06	22.93	22.80
13.3875	22.68	22.56	22.44	22.32	22.21
13.4500	22.10	21.99	21.88	21.77	21.67
13.5125	21.56	21.46	21.35	21.25	21.15
13.5750	21.05	20.95	20.85	20.75	20.64
13.6375	20.54	20.44	20.34	20.25	20.15
13.7000	20.05	19.95	19.85	19.75	19.65
13.7625	19.55	19.46	19.36	19.26	19.17
13.8250	19.07	18.97	18.87	18.77	18.68
13.8875	18.58	18.49	18.39	18.29	18.19
13.9500	18.10	18.00	17.90	17.81	17.71
14.0125	17.61	17.51	17.42	17.32	17.23
14.0750	17.14	17.05	16.96	16.87	16.78
14.1375	16.69	16.61	16.53	16.45	16.38
14.2000	16.31	16.24	16.17	16.10	16.04
14.2625	15.98	15.92	15.86	15.80	15.74
14.3250	15.69	15.63	15.58	15.53	15.48
14.3875	15.43	15.37	15.32	15.27	15.22
14.4500	15.18	15.13	15.08	15.03	14.98
14.5125	14.93	14.88	14.83	14.79	14.74
14.5750	14.69	14.64	14.60	14.55	14.50
14.6375	14.45	14.41	14.36	14.31	14.27
14.7000	14.22	14.17	14.13	14.08	14.03
14.7625	13.98	13.94	13.89	13.84	13.80
14.8250	13.75	13.70	13.66	13.61	13.57
14.8875	13.52	13.47	13.43	13.38	13.33
14.9500	13.28	13.24	13.19	13.14	13.10
15.0125	13.05	13.00	12.95	12.91	12.86
15.0750	12.81	12.77	12.72	12.67	12.63
15.1375	12.58	12.53	12.49	12.44	12.39
15.2000	12.35	12.30	12.25	12.21	12.16
15.2625	12.11	12.07	12.02	11.97	11.93
15.3250	11.88	11.83	11.78	11.74	11.69
15.3875	11.64	11.60	11.55	11.50	11.46
15.4500	11.41	11.36	11.31	11.27	11.22
15.5125	11.17	11.13	11.08	11.03	10.98
15.5750	10.94	10.89	10.84	10.80	10.75
15.6375	10.70	10.66	10.61	10.56	10.52
15.7000	10.47	10.42	10.38	10.33	10.28
15.7625	10.23	10.19	10.14	10.09	10.05
15.8250	10.00	9.95	9.91	9.86	9.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.8875	9.77	9.72	9.67	9.62	9.58
15.9500	9.53	9.48	9.43	9.39	9.34
16.0125	9.29	9.25	9.20	9.16	9.11
16.0750	9.07	9.03	8.98	8.94	8.90
16.1375	8.86	8.82	8.79	8.75	8.72
16.2000	8.68	8.65	8.62	8.58	8.55
16.2625	8.52	8.50	8.47	8.44	8.42
16.3250	8.39	8.37	8.34	8.32	8.30
16.3875	8.27	8.25	8.23	8.20	8.18
16.4500	8.16	8.14	8.12	8.09	8.07
16.5125	8.05	8.03	8.01	7.99	7.97
16.5750	7.95	7.93	7.91	7.89	7.86
16.6375	7.84	7.82	7.80	7.78	7.76
16.7000	7.74	7.72	7.70	7.68	7.66
16.7625	7.64	7.62	7.60	7.58	7.56
16.8250	7.54	7.51	7.49	7.47	7.45
16.8875	7.43	7.41	7.39	7.37	7.35
16.9500	7.33	7.31	7.29	7.27	7.25
17.0125	7.23	7.21	7.19	7.17	7.15
17.0750	7.13	7.11	7.08	7.06	7.04
17.1375	7.02	7.00	6.98	6.96	6.94
17.2000	6.92	6.90	6.88	6.86	6.84
17.2625	6.82	6.80	6.78	6.76	6.74
17.3250	6.72	6.70	6.68	6.66	6.63
17.3875	6.61	6.59	6.57	6.55	6.53
17.4500	6.51	6.49	6.47	6.45	6.43
17.5125	6.41	6.39	6.37	6.35	6.33
17.5750	6.31	6.29	6.27	6.25	6.23
17.6375	6.20	6.18	6.16	6.14	6.12
17.7000	6.10	6.08	6.06	6.04	6.02
17.7625	6.00	5.98	5.96	5.94	5.92
17.8250	5.90	5.88	5.86	5.83	5.81
17.8875	5.79	5.77	5.75	5.73	5.71
17.9500	5.69	5.67	5.65	5.63	5.61
18.0125	5.59	5.57	5.55	5.53	5.51
18.0750	5.49	5.47	5.45	5.43	5.42
18.1375	5.40	5.38	5.37	5.35	5.34
18.2000	5.32	5.31	5.30	5.29	5.28
18.2625	5.27	5.26	5.25	5.24	5.23
18.3250	5.22	5.21	5.21	5.20	5.19
18.3875	5.18	5.18	5.17	5.16	5.16
18.4500	5.15	5.14	5.14	5.13	5.12
18.5125	5.12	5.11	5.10	5.10	5.09
18.5750	5.08	5.08	5.07	5.06	5.06
18.6375	5.05	5.05	5.04	5.03	5.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.7000	5.02	5.01	5.01	5.00	5.00
18.7625	4.99	4.98	4.98	4.97	4.97
18.8250	4.96	4.95	4.95	4.94	4.94
18.8875	4.93	4.92	4.92	4.91	4.90
18.9500	4.90	4.89	4.89	4.88	4.87
19.0125	4.87	4.86	4.86	4.85	4.84
19.0750	4.84	4.83	4.82	4.82	4.81
19.1375	4.81	4.80	4.79	4.79	4.78
19.2000	4.77	4.77	4.76	4.76	4.75
19.2625	4.74	4.74	4.73	4.73	4.72
19.3250	4.71	4.71	4.70	4.70	4.69
19.3875	4.68	4.68	4.67	4.66	4.66
19.4500	4.65	4.65	4.64	4.63	4.63
19.5125	4.62	4.62	4.61	4.60	4.60
19.5750	4.59	4.58	4.58	4.57	4.57
19.6375	4.56	4.55	4.55	4.54	4.54
19.7000	4.53	4.52	4.52	4.51	4.50
19.7625	4.50	4.49	4.49	4.48	4.47
19.8250	4.47	4.46	4.46	4.45	4.44
19.8875	4.44	4.43	4.43	4.42	4.41
19.9500	4.41	4.40	4.39	4.39	4.38
20.0125	4.38	4.37	4.36	4.36	4.35
20.0750	4.35	4.34	4.33	4.33	4.32
20.1375	4.32	4.31	4.30	4.30	4.29
20.2000	4.29	4.28	4.28	4.27	4.27
20.2625	4.27	4.26	4.26	4.25	4.25
20.3250	4.24	4.24	4.23	4.23	4.22
20.3875	4.22	4.21	4.21	4.20	4.20
20.4500	4.19	4.19	4.18	4.18	4.17
20.5125	4.17	4.16	4.16	4.15	4.15
20.5750	4.14	4.14	4.14	4.13	4.13
20.6375	4.12	4.12	4.11	4.11	4.10
20.7000	4.10	4.09	4.09	4.08	4.08
20.7625	4.07	4.07	4.06	4.06	4.05
20.8250	4.05	4.04	4.04	4.03	4.03
20.8875	4.03	4.02	4.02	4.01	4.01
20.9500	4.00	4.00	3.99	3.99	3.99
21.0125	3.98	3.98	3.97	3.97	3.97
21.0750	3.96	3.96	3.95	3.95	3.95
21.1375	3.94	3.94	3.93	3.93	3.92
21.2000	3.92	3.91	3.91	3.90	3.90
21.2625	3.89	3.89	3.88	3.88	3.87
21.3250	3.87	3.86	3.86	3.85	3.85
21.3875	3.84	3.84	3.84	3.83	3.83
21.4500	3.82	3.82	3.81	3.81	3.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.5125	3.80	3.79	3.79	3.78	3.78
21.5750	3.77	3.77	3.76	3.76	3.75
21.6375	3.75	3.74	3.74	3.74	3.73
21.7000	3.73	3.72	3.72	3.71	3.71
21.7625	3.70	3.70	3.70	3.69	3.69
21.8250	3.68	3.68	3.68	3.67	3.67
21.8875	3.66	3.66	3.65	3.65	3.65
21.9500	3.64	3.64	3.63	3.63	3.62
22.0125	3.62	3.61	3.61	3.60	3.60
22.0750	3.59	3.59	3.58	3.58	3.57
22.1375	3.57	3.56	3.56	3.55	3.55
22.2000	3.55	3.54	3.54	3.53	3.53
22.2625	3.52	3.52	3.51	3.51	3.50
22.3250	3.50	3.49	3.49	3.48	3.48
22.3875	3.47	3.47	3.46	3.46	3.45
22.4500	3.45	3.44	3.44	3.44	3.43
22.5125	3.43	3.42	3.42	3.41	3.41
22.5750	3.40	3.40	3.40	3.39	3.39
22.6375	3.38	3.38	3.38	3.37	3.37
22.7000	3.36	3.36	3.35	3.35	3.35
22.7625	3.34	3.34	3.33	3.32	3.32
22.8250	3.31	3.31	3.30	3.30	3.29
22.8875	3.29	3.29	3.28	3.28	3.27
22.9500	3.27	3.26	3.26	3.25	3.25
23.0125	3.25	3.24	3.24	3.23	3.23
23.0750	3.22	3.22	3.21	3.21	3.20
23.1375	3.19	3.19	3.18	3.18	3.17
23.2000	3.17	3.17	3.16	3.16	3.15
23.2625	3.15	3.14	3.14	3.14	3.13
23.3250	3.13	3.12	3.12	3.11	3.11
23.3875	3.10	3.10	3.10	3.09	3.09
23.4500	3.08	3.08	3.08	3.07	3.07
23.5125	3.06	3.06	3.05	3.05	3.04
23.5750	3.04	3.03	3.03	3.02	3.02
23.6375	3.01	3.01	3.00	3.00	2.99
23.7000	2.99	2.99	2.98	2.98	2.97
23.7625	2.97	2.96	2.96	2.95	2.95
23.8250	2.95	2.94	2.94	2.93	2.93
23.8875	2.92	2.92	2.91	2.90	2.90
23.9500	2.89	2.89	2.88	2.87	2.86
24.0125	2.85	2.83	2.80	2.76	2.70
24.0750	2.63	2.55	2.44	2.32	2.20
24.1375	2.06	1.92	1.77	1.63	1.48
24.2000	1.35	1.22	1.09	.98	.87
24.2625	.77	.69	.61	.54	.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.3250	.44	.39	.35	.31	.27
24.3875	.25	.22	.19	.17	.15
24.4500	.14	.12	.11	.10	.09
24.5125	.08	.07	.06	.05	.05
24.5750	.04	.04	.03	.03	.03
24.6375	.02	.02	.02	.01	.01
24.7000	.01	.01	.01	.01	.01
24.7625	.00	.00	.00	.00	.00
24.8250	.00	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH AA-2        D.A. AA-2        work_pad.hyg  D.A. AA-2        50
=====

```

```

INFLOWS TO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. AA-2      50             1120901     12.1750     238.93

```

```

TOTAL FLOW INTO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  WQBASIN AA    IN  50             1120901     12.1750     238.93

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA IN

HYG Tag = 50

 Peak Discharge = 238.93 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 1120901 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.5250	.00	.00	.00	.00	.00
2.5875	.01	.01	.01	.01	.02
2.6500	.02	.02	.03	.03	.04
2.7125	.04	.05	.06	.06	.07
2.7750	.08	.08	.09	.10	.10
2.8375	.11	.12	.13	.14	.14
2.9000	.15	.16	.17	.18	.18
2.9625	.19	.20	.21	.22	.23
3.0250	.24	.24	.25	.26	.27
3.0875	.28	.29	.30	.30	.31
3.1500	.32	.33	.34	.35	.36
3.2125	.37	.38	.38	.39	.40
3.2750	.41	.42	.43	.44	.45
3.3375	.46	.47	.47	.48	.49
3.4000	.50	.51	.52	.53	.54
3.4625	.55	.56	.57	.58	.58
3.5250	.59	.60	.61	.62	.63
3.5875	.64	.65	.66	.67	.68
3.6500	.69	.70	.71	.71	.72
3.7125	.73	.74	.75	.76	.77
3.7750	.78	.79	.80	.81	.82
3.8375	.83	.84	.85	.86	.87
3.9000	.88	.88	.89	.90	.91
3.9625	.92	.93	.94	.95	.96
4.0250	.97	.98	.99	1.00	1.01
4.0875	1.02	1.03	1.04	1.05	1.06
4.1500	1.07	1.08	1.09	1.10	1.11
4.2125	1.12	1.13	1.14	1.15	1.16
4.2750	1.17	1.17	1.18	1.19	1.20
4.3375	1.21	1.22	1.23	1.24	1.25
4.4000	1.26	1.27	1.28	1.29	1.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
4.4625	1.31	1.32	1.33	1.34	1.35
4.5250	1.36	1.37	1.38	1.39	1.40
4.5875	1.41	1.42	1.43	1.44	1.45
4.6500	1.46	1.47	1.48	1.49	1.50
4.7125	1.51	1.52	1.53	1.54	1.55
4.7750	1.56	1.57	1.58	1.59	1.60
4.8375	1.61	1.62	1.63	1.64	1.65
4.9000	1.66	1.67	1.68	1.69	1.70
4.9625	1.71	1.72	1.73	1.74	1.75
5.0250	1.76	1.77	1.78	1.79	1.80
5.0875	1.81	1.82	1.83	1.84	1.85
5.1500	1.86	1.87	1.88	1.89	1.90
5.2125	1.91	1.92	1.93	1.94	1.95
5.2750	1.96	1.97	1.99	2.00	2.01
5.3375	2.02	2.03	2.04	2.05	2.06
5.4000	2.07	2.08	2.09	2.10	2.11
5.4625	2.12	2.13	2.14	2.15	2.16
5.5250	2.17	2.18	2.19	2.20	2.21
5.5875	2.22	2.23	2.24	2.25	2.26
5.6500	2.27	2.28	2.29	2.30	2.31
5.7125	2.32	2.33	2.34	2.35	2.36
5.7750	2.37	2.38	2.39	2.40	2.41
5.8375	2.42	2.43	2.44	2.45	2.47
5.9000	2.48	2.49	2.50	2.51	2.52
5.9625	2.53	2.54	2.55	2.56	2.57
6.0250	2.58	2.59	2.60	2.61	2.62
6.0875	2.63	2.64	2.66	2.67	2.68
6.1500	2.69	2.71	2.72	2.73	2.75
6.2125	2.76	2.78	2.79	2.81	2.82
6.2750	2.84	2.85	2.87	2.89	2.91
6.3375	2.92	2.94	2.96	2.98	2.99
6.4000	3.01	3.03	3.05	3.07	3.08
6.4625	3.10	3.12	3.14	3.16	3.18
6.5250	3.20	3.22	3.23	3.25	3.27
6.5875	3.29	3.31	3.33	3.35	3.37
6.6500	3.39	3.41	3.43	3.45	3.47
6.7125	3.49	3.51	3.53	3.55	3.57
6.7750	3.59	3.61	3.63	3.65	3.67
6.8375	3.69	3.71	3.73	3.75	3.77
6.9000	3.79	3.81	3.83	3.85	3.88
6.9625	3.90	3.92	3.94	3.96	3.98
7.0250	4.00	4.02	4.04	4.06	4.09
7.0875	4.11	4.13	4.15	4.17	4.19
7.1500	4.21	4.24	4.26	4.28	4.30
7.2125	4.32	4.34	4.37	4.39	4.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.2750	4.43	4.45	4.48	4.50	4.52
7.3375	4.54	4.57	4.59	4.61	4.63
7.4000	4.66	4.68	4.70	4.72	4.74
7.4625	4.77	4.79	4.81	4.83	4.86
7.5250	4.88	4.90	4.93	4.95	4.97
7.5875	5.00	5.02	5.04	5.06	5.09
7.6500	5.11	5.13	5.16	5.18	5.20
7.7125	5.23	5.25	5.27	5.30	5.32
7.7750	5.34	5.37	5.39	5.41	5.44
7.8375	5.46	5.49	5.51	5.53	5.56
7.9000	5.58	5.60	5.63	5.65	5.68
7.9625	5.70	5.72	5.75	5.77	5.80
8.0250	5.82	5.85	5.87	5.90	5.92
8.0875	5.95	5.97	6.00	6.03	6.06
8.1500	6.09	6.12	6.15	6.19	6.22
8.2125	6.26	6.29	6.33	6.37	6.41
8.2750	6.45	6.49	6.53	6.57	6.61
8.3375	6.65	6.70	6.74	6.78	6.83
8.4000	6.87	6.91	6.96	7.00	7.05
8.4625	7.09	7.14	7.18	7.23	7.27
8.5250	7.32	7.37	7.41	7.46	7.51
8.5875	7.55	7.60	7.65	7.69	7.74
8.6500	7.79	7.84	7.88	7.93	7.98
8.7125	8.03	8.08	8.13	8.17	8.22
8.7750	8.27	8.32	8.37	8.42	8.47
8.8375	8.52	8.57	8.61	8.66	8.71
8.9000	8.76	8.81	8.86	8.91	8.96
8.9625	9.01	9.06	9.11	9.16	9.21
9.0250	9.26	9.31	9.36	9.41	9.46
9.0875	9.51	9.56	9.62	9.67	9.72
9.1500	9.77	9.82	9.87	9.93	9.98
9.2125	10.03	10.08	10.13	10.19	10.24
9.2750	10.29	10.34	10.39	10.44	10.50
9.3375	10.55	10.60	10.65	10.71	10.76
9.4000	10.81	10.86	10.92	10.97	11.02
9.4625	11.08	11.13	11.18	11.23	11.29
9.5250	11.34	11.40	11.45	11.50	11.56
9.5875	11.61	11.66	11.72	11.77	11.83
9.6500	11.88	11.93	11.99	12.04	12.10
9.7125	12.15	12.21	12.26	12.31	12.37
9.7750	12.42	12.48	12.53	12.59	12.64
9.8375	12.70	12.75	12.81	12.86	12.91
9.9000	12.97	13.02	13.08	13.13	13.19
9.9625	13.24	13.30	13.36	13.41	13.47
10.0250	13.52	13.58	13.64	13.70	13.76

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.0875	13.82	13.88	13.95	14.01	14.08
10.1500	14.15	14.23	14.30	14.37	14.45
10.2125	14.54	14.62	14.70	14.79	14.88
10.2750	14.97	15.06	15.15	15.25	15.34
10.3375	15.44	15.54	15.63	15.73	15.83
10.4000	15.93	16.03	16.13	16.24	16.34
10.4625	16.44	16.54	16.65	16.75	16.86
10.5250	16.96	17.07	17.17	17.28	17.38
10.5875	17.49	17.59	17.70	17.81	17.91
10.6500	18.02	18.13	18.23	18.34	18.45
10.7125	18.55	18.66	18.77	18.88	18.98
10.7750	19.09	19.20	19.31	19.42	19.52
10.8375	19.63	19.74	19.85	19.96	20.07
10.9000	20.18	20.29	20.40	20.51	20.62
10.9625	20.73	20.84	20.95	21.06	21.17
11.0250	21.29	21.42	21.54	21.67	21.81
11.0875	21.94	22.11	22.27	22.43	22.62
11.1500	22.82	23.01	23.24	23.47	23.71
11.2125	23.97	24.24	24.51	24.81	25.10
11.2750	25.41	25.73	26.05	26.39	26.73
11.3375	27.07	27.43	27.78	28.13	28.50
11.4000	28.86	29.23	29.61	29.99	30.37
11.4625	30.75	31.13	31.52	31.94	32.37
11.5250	32.84	33.37	33.91	34.55	35.27
11.5875	36.00	36.93	37.98	39.02	40.34
11.6500	41.75	43.15	44.93	46.77	48.61
11.7125	50.91	53.21	55.54	58.16	60.79
11.7750	63.49	66.46	69.43	72.50	75.76
11.8375	79.03	82.34	85.70	89.07	92.68
11.9000	96.46	100.24	104.73	109.50	114.28
11.9625	120.38	126.74	133.11	141.22	149.41
12.0250	157.67	166.73	175.80	184.79	193.47
12.0875	202.15	210.27	217.17	224.07	229.65
12.1500	233.51	237.36	238.93	238.63	238.33
12.2125	235.69	231.90	228.11	222.84	217.17
12.2750	211.51	205.12	198.65	192.19	185.70
12.3375	179.20	172.83	167.09	161.35	155.78
12.4000	150.63	145.47	140.46	135.67	130.88
12.4625	126.24	121.74	117.24	112.88	108.60
12.5250	104.32	100.25	96.24	92.24	88.53
12.5875	84.88	81.22	77.94	74.67	71.44
12.6500	68.64	65.84	63.16	60.86	58.56
12.7125	56.42	54.55	52.69	51.01	49.53
12.7750	48.05	46.75	45.57	44.39	43.36
12.8375	42.40	41.43	40.60	39.79	38.99

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.9000	38.29	37.60	36.91	36.30	35.69
12.9625	35.10	34.56	34.03	33.50	33.01
13.0250	32.51	32.03	31.58	31.13	30.70
13.0875	30.29	29.88	29.50	29.13	28.76
13.1500	28.43	28.11	27.79	27.51	27.24
13.2125	26.97	26.74	26.51	26.28	26.09
13.2750	25.89	25.71	25.54	25.37	25.21
13.3375	25.06	24.91	24.77	24.63	24.50
13.4000	24.37	24.24	24.11	23.99	23.87
13.4625	23.75	23.63	23.52	23.40	23.29
13.5250	23.17	23.06	22.95	22.84	22.73
13.5875	22.62	22.51	22.41	22.30	22.19
13.6500	22.08	21.97	21.86	21.76	21.65
13.7125	21.54	21.44	21.33	21.22	21.12
13.7750	21.01	20.91	20.80	20.70	20.59
13.8375	20.49	20.38	20.28	20.17	20.07
13.9000	19.96	19.86	19.75	19.65	19.54
13.9625	19.44	19.33	19.23	19.12	19.02
14.0250	18.91	18.81	18.71	18.61	18.50
14.0875	18.41	18.31	18.21	18.12	18.03
14.1500	17.94	17.85	17.77	17.69	17.61
14.2125	17.53	17.46	17.39	17.32	17.25
14.2750	17.19	17.12	17.06	17.00	16.94
14.3375	16.88	16.82	16.77	16.71	16.66
14.4000	16.60	16.55	16.49	16.44	16.39
14.4625	16.33	16.28	16.23	16.18	16.12
14.5250	16.07	16.02	15.97	15.91	15.86
14.5875	15.81	15.76	15.71	15.66	15.61
14.6500	15.55	15.50	15.45	15.40	15.35
14.7125	15.30	15.25	15.20	15.15	15.10
14.7750	15.05	15.00	14.95	14.90	14.85
14.8375	14.80	14.75	14.70	14.65	14.60
14.9000	14.55	14.49	14.44	14.39	14.34
14.9625	14.29	14.24	14.19	14.14	14.09
15.0250	14.04	13.99	13.93	13.88	13.83
15.0875	13.78	13.73	13.68	13.63	13.58
15.1500	13.53	13.48	13.43	13.38	13.33
15.2125	13.28	13.23	13.18	13.13	13.08
15.2750	13.03	12.98	12.93	12.87	12.82
15.3375	12.77	12.72	12.67	12.62	12.57
15.4000	12.52	12.47	12.42	12.37	12.32
15.4625	12.26	12.21	12.16	12.11	12.06
15.5250	12.01	11.96	11.91	11.86	11.81
15.5875	11.76	11.71	11.65	11.60	11.55
15.6500	11.50	11.45	11.40	11.35	11.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
15.7125	11.25	11.20	11.15	11.10	11.05
15.7750	11.00	10.95	10.90	10.85	10.79
15.8375	10.74	10.69	10.64	10.59	10.54
15.9000	10.49	10.44	10.39	10.34	10.28
15.9625	10.23	10.18	10.13	10.08	10.03
16.0250	9.98	9.93	9.88	9.83	9.79
16.0875	9.74	9.70	9.65	9.61	9.57
16.1500	9.52	9.48	9.45	9.41	9.37
16.2125	9.33	9.30	9.26	9.23	9.20
16.2750	9.17	9.14	9.11	9.08	9.06
16.3375	9.03	9.00	8.98	8.95	8.93
16.4000	8.90	8.88	8.86	8.83	8.81
16.4625	8.78	8.76	8.74	8.71	8.69
16.5250	8.67	8.65	8.62	8.60	8.58
16.5875	8.56	8.53	8.51	8.49	8.47
16.6500	8.44	8.42	8.40	8.38	8.35
16.7125	8.33	8.31	8.29	8.27	8.24
16.7750	8.22	8.20	8.18	8.16	8.13
16.8375	8.11	8.09	8.07	8.04	8.02
16.9000	8.00	7.98	7.96	7.93	7.91
16.9625	7.89	7.87	7.85	7.82	7.80
17.0250	7.78	7.76	7.73	7.71	7.69
17.0875	7.67	7.65	7.62	7.60	7.58
17.1500	7.56	7.54	7.52	7.49	7.47
17.2125	7.45	7.43	7.40	7.38	7.36
17.2750	7.34	7.31	7.29	7.27	7.25
17.3375	7.23	7.20	7.18	7.16	7.14
17.4000	7.12	7.09	7.07	7.05	7.03
17.4625	7.01	6.98	6.96	6.94	6.92
17.5250	6.90	6.87	6.85	6.83	6.81
17.5875	6.79	6.76	6.74	6.72	6.70
17.6500	6.67	6.65	6.63	6.61	6.59
17.7125	6.56	6.54	6.52	6.50	6.48
17.7750	6.45	6.43	6.41	6.39	6.36
17.8375	6.34	6.32	6.30	6.28	6.25
17.9000	6.23	6.21	6.19	6.17	6.14
17.9625	6.12	6.10	6.08	6.06	6.03
18.0250	6.01	5.99	5.97	5.95	5.92
18.0875	5.90	5.88	5.86	5.84	5.82
18.1500	5.81	5.79	5.77	5.76	5.75
18.2125	5.73	5.72	5.71	5.70	5.69
18.2750	5.68	5.66	5.66	5.65	5.64
18.3375	5.63	5.62	5.61	5.60	5.59
18.4000	5.59	5.58	5.57	5.56	5.56
18.4625	5.55	5.54	5.54	5.53	5.52

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5250	5.51	5.51	5.50	5.49	5.49
18.5875	5.48	5.47	5.47	5.46	5.45
18.6500	5.45	5.44	5.43	5.43	5.42
18.7125	5.41	5.41	5.40	5.39	5.38
18.7750	5.38	5.37	5.36	5.36	5.35
18.8375	5.35	5.34	5.33	5.33	5.32
18.9000	5.31	5.31	5.30	5.29	5.29
18.9625	5.28	5.27	5.27	5.26	5.25
19.0250	5.25	5.24	5.23	5.23	5.22
19.0875	5.21	5.21	5.20	5.19	5.19
19.1500	5.18	5.17	5.17	5.16	5.15
19.2125	5.15	5.14	5.13	5.13	5.12
19.2750	5.11	5.11	5.10	5.09	5.09
19.3375	5.08	5.07	5.07	5.06	5.05
19.4000	5.05	5.04	5.03	5.03	5.02
19.4625	5.01	5.01	5.00	4.99	4.99
19.5250	4.98	4.97	4.97	4.96	4.95
19.5875	4.95	4.94	4.93	4.93	4.92
19.6500	4.91	4.91	4.90	4.89	4.89
19.7125	4.88	4.87	4.87	4.86	4.85
19.7750	4.85	4.84	4.83	4.83	4.82
19.8375	4.82	4.81	4.80	4.80	4.79
19.9000	4.78	4.78	4.77	4.76	4.76
19.9625	4.75	4.74	4.73	4.73	4.72
20.0250	4.72	4.71	4.70	4.70	4.69
20.0875	4.68	4.68	4.67	4.66	4.66
20.1500	4.65	4.64	4.64	4.63	4.63
20.2125	4.62	4.62	4.61	4.61	4.60
20.2750	4.60	4.59	4.59	4.58	4.58
20.3375	4.57	4.57	4.56	4.56	4.55
20.4000	4.54	4.54	4.53	4.53	4.52
20.4625	4.52	4.51	4.51	4.50	4.50
20.5250	4.49	4.49	4.48	4.48	4.47
20.5875	4.47	4.46	4.46	4.45	4.45
20.6500	4.44	4.44	4.43	4.43	4.42
20.7125	4.42	4.41	4.40	4.40	4.39
20.7750	4.39	4.38	4.38	4.37	4.37
20.8375	4.36	4.36	4.35	4.35	4.34
20.9000	4.34	4.34	4.33	4.33	4.32
20.9625	4.32	4.31	4.31	4.30	4.30
21.0250	4.29	4.29	4.28	4.28	4.28
21.0875	4.27	4.27	4.26	4.26	4.25
21.1500	4.25	4.24	4.24	4.23	4.23
21.2125	4.22	4.21	4.21	4.20	4.20
21.2750	4.19	4.19	4.18	4.18	4.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3375	4.17	4.16	4.16	4.15	4.15
21.4000	4.14	4.14	4.13	4.13	4.12
21.4625	4.12	4.11	4.11	4.10	4.10
21.5250	4.09	4.09	4.08	4.07	4.07
21.5875	4.06	4.06	4.05	4.05	4.04
21.6500	4.04	4.04	4.03	4.03	4.02
21.7125	4.02	4.01	4.01	4.00	4.00
21.7750	3.99	3.99	3.98	3.98	3.97
21.8375	3.97	3.97	3.96	3.96	3.95
21.9000	3.95	3.94	3.94	3.93	3.93
21.9625	3.92	3.92	3.91	3.91	3.90
22.0250	3.90	3.89	3.88	3.88	3.87
22.0875	3.87	3.86	3.86	3.85	3.85
22.1500	3.84	3.84	3.83	3.83	3.83
22.2125	3.82	3.82	3.81	3.81	3.80
22.2750	3.80	3.79	3.78	3.78	3.77
22.3375	3.77	3.76	3.75	3.75	3.74
22.4000	3.74	3.73	3.73	3.73	3.72
22.4625	3.72	3.71	3.71	3.70	3.70
22.5250	3.69	3.69	3.68	3.68	3.67
22.5875	3.67	3.66	3.66	3.66	3.65
22.6500	3.65	3.64	3.64	3.63	3.63
22.7125	3.63	3.62	3.61	3.61	3.60
22.7750	3.60	3.59	3.59	3.58	3.58
22.8375	3.57	3.57	3.56	3.55	3.55
22.9000	3.54	3.54	3.54	3.53	3.53
22.9625	3.52	3.52	3.51	3.51	3.50
23.0250	3.50	3.49	3.49	3.48	3.48
23.0875	3.47	3.46	3.46	3.45	3.45
23.1500	3.44	3.44	3.43	3.43	3.42
23.2125	3.42	3.41	3.41	3.40	3.40
23.2750	3.39	3.39	3.38	3.38	3.37
23.3375	3.37	3.36	3.36	3.35	3.35
23.4000	3.35	3.34	3.34	3.33	3.33
23.4625	3.32	3.32	3.32	3.31	3.31
23.5250	3.30	3.30	3.29	3.28	3.28
23.5875	3.27	3.27	3.26	3.26	3.25
23.6500	3.25	3.24	3.24	3.23	3.23
23.7125	3.22	3.22	3.21	3.21	3.20
23.7750	3.20	3.19	3.19	3.18	3.18
23.8375	3.17	3.17	3.16	3.16	3.15
23.9000	3.15	3.14	3.13	3.13	3.12
23.9625	3.12	3.11	3.10	3.09	3.08
24.0250	3.05	3.02	2.98	2.91	2.84
24.0875	2.75	2.63	2.51	2.37	2.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.1500	2.07	1.91	1.76	1.60	1.45
24.2125	1.31	1.17	1.05	.94	.83
24.2750	.74	.66	.58	.53	.47
24.3375	.42	.37	.33	.30	.27
24.4000	.24	.21	.19	.17	.15
24.4625	.13	.12	.10	.09	.08
24.5250	.07	.07	.06	.05	.05
24.5875	.04	.04	.03	.03	.02
24.6500	.02	.02	.02	.01	.01
24.7125	.01	.01	.01	.01	.01
24.7750	.00	.00	.00	.00	.00
24.8375	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN AA IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH AA-2        D.A. AA-2        work_pad.hyg  D.A. AA-2     100
=====

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INFLOWS TO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. AA-2      100            1212357     12.1750     257.33

```

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TOTAL FLOW INTO:  WQBASIN AA  IN
-----
HYG file      HYG ID          HYG tag        Volume      Peak Time    Peak Flow
              HYG ID          HYG tag        cu.ft       hrs          cfs
-----
work_pad.hyg  WQBASIN AA    IN  100            1212357     12.1750     257.33

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA IN

HYG Tag = 100

 Peak Discharge = 257.33 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 1212357 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.3750	.00	.00	.00	.00	.01
2.4375	.01	.01	.01	.02	.02
2.5000	.02	.03	.03	.04	.04
2.5625	.05	.06	.06	.07	.08
2.6250	.09	.09	.10	.11	.12
2.6875	.13	.14	.14	.15	.16
2.7500	.17	.18	.19	.20	.21
2.8125	.22	.23	.23	.24	.25
2.8750	.26	.27	.28	.29	.30
2.9375	.31	.32	.33	.34	.35
3.0000	.36	.37	.38	.39	.40
3.0625	.41	.42	.43	.44	.45
3.1250	.46	.47	.48	.49	.50
3.1875	.51	.52	.53	.54	.55
3.2500	.56	.57	.58	.59	.60
3.3125	.61	.62	.63	.64	.65
3.3750	.66	.67	.68	.69	.70
3.4375	.71	.72	.73	.74	.75
3.5000	.76	.77	.78	.79	.80
3.5625	.81	.82	.83	.84	.85
3.6250	.86	.87	.88	.89	.90
3.6875	.91	.92	.93	.94	.95
3.7500	.96	.97	.99	1.00	1.01
3.8125	1.02	1.03	1.04	1.05	1.06
3.8750	1.07	1.08	1.09	1.10	1.11
3.9375	1.12	1.13	1.14	1.15	1.16
4.0000	1.17	1.19	1.20	1.21	1.22
4.0625	1.23	1.24	1.25	1.26	1.27
4.1250	1.28	1.29	1.30	1.31	1.32
4.1875	1.33	1.34	1.36	1.37	1.38
4.2500	1.39	1.40	1.41	1.42	1.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.3125	1.44	1.45	1.46	1.47	1.48
4.3750	1.50	1.51	1.52	1.53	1.54
4.4375	1.55	1.56	1.57	1.58	1.59
4.5000	1.60	1.61	1.63	1.64	1.65
4.5625	1.66	1.67	1.68	1.69	1.70
4.6250	1.71	1.72	1.73	1.74	1.76
4.6875	1.77	1.78	1.79	1.80	1.81
4.7500	1.82	1.83	1.84	1.85	1.87
4.8125	1.88	1.89	1.90	1.91	1.92
4.8750	1.93	1.94	1.95	1.96	1.97
4.9375	1.99	2.00	2.01	2.02	2.03
5.0000	2.04	2.05	2.06	2.07	2.08
5.0625	2.10	2.11	2.12	2.13	2.14
5.1250	2.15	2.16	2.17	2.18	2.19
5.1875	2.21	2.22	2.23	2.24	2.25
5.2500	2.26	2.27	2.28	2.29	2.30
5.3125	2.32	2.33	2.34	2.35	2.36
5.3750	2.37	2.38	2.39	2.40	2.42
5.4375	2.43	2.44	2.45	2.46	2.47
5.5000	2.48	2.49	2.50	2.52	2.53
5.5625	2.54	2.55	2.56	2.57	2.58
5.6250	2.59	2.60	2.61	2.63	2.64
5.6875	2.65	2.66	2.67	2.68	2.69
5.7500	2.70	2.71	2.73	2.74	2.75
5.8125	2.76	2.77	2.78	2.79	2.80
5.8750	2.81	2.82	2.84	2.85	2.86
5.9375	2.87	2.88	2.89	2.90	2.91
6.0000	2.93	2.94	2.95	2.96	2.97
6.0625	2.98	2.99	3.01	3.02	3.03
6.1250	3.05	3.06	3.07	3.09	3.10
6.1875	3.12	3.13	3.15	3.16	3.18
6.2500	3.20	3.21	3.23	3.25	3.27
6.3125	3.29	3.30	3.32	3.34	3.36
6.3750	3.38	3.40	3.42	3.44	3.46
6.4375	3.48	3.50	3.52	3.54	3.56
6.5000	3.58	3.60	3.62	3.65	3.67
6.5625	3.69	3.71	3.73	3.75	3.77
6.6250	3.79	3.81	3.84	3.86	3.88
6.6875	3.90	3.92	3.94	3.97	3.99
6.7500	4.01	4.03	4.05	4.08	4.10
6.8125	4.12	4.14	4.16	4.19	4.21
6.8750	4.23	4.25	4.28	4.30	4.32
6.9375	4.34	4.37	4.39	4.41	4.44
7.0000	4.46	4.48	4.51	4.53	4.55
7.0625	4.57	4.60	4.62	4.64	4.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.1250	4.69	4.71	4.74	4.76	4.79
7.1875	4.81	4.83	4.86	4.88	4.90
7.2500	4.93	4.95	4.97	5.00	5.02
7.3125	5.05	5.07	5.10	5.12	5.14
7.3750	5.17	5.19	5.22	5.24	5.27
7.4375	5.29	5.31	5.34	5.36	5.39
7.5000	5.41	5.44	5.46	5.49	5.51
7.5625	5.54	5.56	5.59	5.61	5.64
7.6250	5.66	5.69	5.71	5.74	5.76
7.6875	5.79	5.81	5.84	5.86	5.89
7.7500	5.91	5.94	5.96	5.99	6.02
7.8125	6.04	6.07	6.09	6.12	6.14
7.8750	6.17	6.19	6.22	6.25	6.27
7.9375	6.30	6.32	6.35	6.38	6.40
8.0000	6.43	6.45	6.48	6.51	6.53
8.0625	6.56	6.59	6.62	6.64	6.68
8.1250	6.71	6.74	6.77	6.81	6.84
8.1875	6.88	6.91	6.95	6.99	7.03
8.2500	7.07	7.12	7.16	7.20	7.25
8.3125	7.29	7.34	7.38	7.43	7.48
8.3750	7.52	7.57	7.62	7.67	7.72
8.4375	7.76	7.81	7.86	7.91	7.96
8.5000	8.01	8.06	8.11	8.16	8.21
8.5625	8.26	8.31	8.36	8.41	8.46
8.6250	8.52	8.57	8.62	8.67	8.72
8.6875	8.77	8.83	8.88	8.93	8.98
8.7500	9.04	9.09	9.14	9.19	9.25
8.8125	9.30	9.35	9.41	9.46	9.51
8.8750	9.57	9.62	9.67	9.73	9.78
8.9375	9.83	9.89	9.94	10.00	10.05
9.0000	10.10	10.16	10.21	10.27	10.32
9.0625	10.38	10.43	10.49	10.54	10.60
9.1250	10.65	10.71	10.76	10.82	10.87
9.1875	10.93	10.99	11.04	11.10	11.15
9.2500	11.21	11.27	11.32	11.38	11.43
9.3125	11.49	11.55	11.60	11.66	11.72
9.3750	11.77	11.83	11.89	11.94	12.00
9.4375	12.06	12.11	12.17	12.23	12.28
9.5000	12.34	12.40	12.46	12.51	12.57
9.5625	12.63	12.69	12.74	12.80	12.86
9.6250	12.92	12.98	13.03	13.09	13.15
9.6875	13.21	13.27	13.32	13.38	13.44
9.7500	13.50	13.56	13.62	13.68	13.73
9.8125	13.79	13.85	13.91	13.97	14.03
9.8750	14.09	14.14	14.20	14.26	14.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9375	14.38	14.44	14.50	14.56	14.62
10.0000	14.68	14.74	14.80	14.86	14.92
10.0625	14.98	15.05	15.11	15.18	15.25
10.1250	15.32	15.40	15.47	15.55	15.63
10.1875	15.71	15.80	15.88	15.97	16.07
10.2500	16.16	16.25	16.35	16.45	16.55
10.3125	16.65	16.75	16.86	16.96	17.07
10.3750	17.17	17.28	17.39	17.50	17.61
10.4375	17.72	17.83	17.94	18.05	18.16
10.5000	18.27	18.38	18.50	18.61	18.72
10.5625	18.84	18.95	19.06	19.18	19.29
10.6250	19.41	19.52	19.64	19.75	19.87
10.6875	19.98	20.09	20.21	20.33	20.44
10.7500	20.56	20.67	20.79	20.90	21.02
10.8125	21.14	21.25	21.37	21.49	21.60
10.8750	21.72	21.83	21.95	22.07	22.19
10.9375	22.31	22.43	22.54	22.66	22.78
11.0000	22.90	23.02	23.15	23.28	23.42
11.0625	23.56	23.70	23.85	24.02	24.20
11.1250	24.38	24.58	24.79	25.00	25.25
11.1875	25.49	25.75	26.04	26.32	26.62
11.2500	26.94	27.25	27.59	27.93	28.28
11.3125	28.64	29.01	29.38	29.76	30.14
11.3750	30.52	30.92	31.31	31.71	32.12
11.4375	32.53	32.94	33.35	33.76	34.18
11.5000	34.63	35.09	35.60	36.18	36.76
11.5625	37.44	38.23	39.01	40.02	41.14
11.6250	42.27	43.70	45.22	46.74	48.66
11.6875	50.64	52.63	55.11	57.59	60.11
11.7500	62.95	65.78	68.69	71.90	75.10
11.8125	78.41	81.93	85.45	89.02	92.65
11.8750	96.27	100.16	104.23	108.30	113.13
11.9375	118.27	123.41	129.98	136.83	143.68
12.0000	152.40	161.22	170.10	179.85	189.60
12.0625	199.26	208.59	217.91	226.64	234.04
12.1250	241.44	247.43	251.55	255.67	257.33
12.1875	256.98	256.63	253.76	249.66	245.56
12.2500	239.87	233.75	227.64	220.74	213.77
12.3125	206.80	199.80	192.80	185.93	179.75
12.3750	173.57	167.56	162.01	156.46	151.06
12.4375	145.90	140.74	135.75	130.90	126.06
12.5000	121.36	116.76	112.15	107.77	103.46
12.5625	99.15	95.17	91.24	87.30	83.78
12.6250	80.25	76.78	73.77	70.76	67.88
12.6875	65.40	62.93	60.63	58.62	56.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7500	54.81	53.22	51.63	50.23	48.96
12.8125	47.69	46.59	45.55	44.52	43.62
12.8750	42.75	41.89	41.14	40.39	39.65
12.9375	39.00	38.35	37.71	37.13	36.55
13.0000	35.99	35.46	34.92	34.41	33.93
13.0625	33.44	32.98	32.54	32.10	31.69
13.1250	31.29	30.89	30.54	30.19	29.85
13.1875	29.55	29.26	28.97	28.72	28.47
13.2500	28.23	28.02	27.81	27.61	27.43
13.3125	27.25	27.08	26.91	26.75	26.60
13.3750	26.45	26.31	26.17	26.03	25.90
13.4375	25.77	25.64	25.51	25.38	25.26
13.5000	25.13	25.01	24.89	24.77	24.65
13.5625	24.53	24.41	24.30	24.18	24.06
13.6250	23.95	23.83	23.71	23.60	23.48
13.6875	23.37	23.25	23.14	23.02	22.91
13.7500	22.79	22.68	22.57	22.45	22.34
13.8125	22.23	22.11	22.00	21.89	21.77
13.8750	21.66	21.55	21.44	21.32	21.21
13.9375	21.10	20.99	20.87	20.76	20.65
14.0000	20.53	20.42	20.31	20.20	20.09
14.0625	19.98	19.87	19.77	19.66	19.56
14.1250	19.46	19.36	19.26	19.17	19.08
14.1875	18.99	18.91	18.83	18.75	18.67
14.2500	18.60	18.52	18.46	18.39	18.32
14.3125	18.25	18.19	18.13	18.06	18.00
14.3750	17.94	17.88	17.82	17.77	17.71
14.4375	17.65	17.59	17.54	17.48	17.42
14.5000	17.37	17.31	17.25	17.20	17.14
14.5625	17.09	17.03	16.98	16.92	16.87
14.6250	16.81	16.76	16.70	16.65	16.59
14.6875	16.54	16.48	16.43	16.37	16.32
14.7500	16.26	16.21	16.16	16.10	16.05
14.8125	15.99	15.94	15.89	15.83	15.78
14.8750	15.72	15.67	15.62	15.56	15.51
14.9375	15.45	15.40	15.34	15.29	15.23
15.0000	15.18	15.13	15.07	15.02	14.96
15.0625	14.91	14.85	14.80	14.74	14.69
15.1250	14.64	14.58	14.53	14.47	14.42
15.1875	14.36	14.31	14.25	14.20	14.15
15.2500	14.09	14.04	13.98	13.93	13.88
15.3125	13.82	13.77	13.71	13.66	13.60
15.3750	13.55	13.49	13.44	13.39	13.33
15.4375	13.28	13.22	13.17	13.11	13.06
15.5000	13.00	12.95	12.89	12.84	12.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
15.5625	12.73	12.67	12.62	12.57	12.51
15.6250	12.46	12.40	12.35	12.29	12.24
15.6875	12.19	12.13	12.08	12.02	11.97
15.7500	11.91	11.86	11.81	11.75	11.70
15.8125	11.64	11.59	11.53	11.48	11.42
15.8750	11.37	11.32	11.26	11.21	11.15
15.9375	11.10	11.04	10.99	10.93	10.88
16.0000	10.82	10.77	10.71	10.66	10.61
16.0625	10.56	10.51	10.46	10.41	10.36
16.1250	10.31	10.27	10.22	10.18	10.14
16.1875	10.10	10.06	10.02	9.98	9.95
16.2500	9.91	9.88	9.84	9.81	9.78
16.3125	9.75	9.72	9.69	9.67	9.64
16.3750	9.61	9.59	9.56	9.53	9.51
16.4375	9.48	9.45	9.43	9.40	9.38
16.5000	9.35	9.33	9.30	9.28	9.26
16.5625	9.23	9.21	9.18	9.16	9.14
16.6250	9.11	9.09	9.06	9.04	9.01
16.6875	8.99	8.97	8.94	8.92	8.90
16.7500	8.87	8.85	8.83	8.80	8.78
16.8125	8.76	8.73	8.71	8.68	8.66
16.8750	8.63	8.61	8.59	8.56	8.54
16.9375	8.52	8.49	8.47	8.45	8.42
17.0000	8.40	8.37	8.35	8.33	8.30
17.0625	8.28	8.25	8.23	8.21	8.18
17.1250	8.16	8.14	8.11	8.09	8.07
17.1875	8.04	8.02	8.00	7.97	7.95
17.2500	7.92	7.90	7.88	7.85	7.83
17.3125	7.80	7.78	7.76	7.73	7.71
17.3750	7.69	7.66	7.64	7.62	7.59
17.4375	7.57	7.54	7.52	7.50	7.47
17.5000	7.45	7.42	7.40	7.38	7.35
17.5625	7.33	7.31	7.28	7.26	7.24
17.6250	7.21	7.19	7.16	7.14	7.12
17.6875	7.09	7.07	7.04	7.02	7.00
17.7500	6.97	6.95	6.93	6.90	6.88
17.8125	6.86	6.83	6.81	6.78	6.76
17.8750	6.74	6.71	6.69	6.66	6.64
17.9375	6.62	6.59	6.57	6.55	6.52
18.0000	6.50	6.48	6.45	6.43	6.41
18.0625	6.38	6.36	6.34	6.31	6.29
18.1250	6.27	6.25	6.23	6.22	6.20
18.1875	6.18	6.17	6.15	6.14	6.13
18.2500	6.11	6.10	6.09	6.08	6.07
18.3125	6.06	6.05	6.04	6.03	6.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3750	6.01	6.00	6.00	5.99	5.98
18.4375	5.97	5.96	5.96	5.95	5.94
18.5000	5.93	5.93	5.92	5.91	5.90
18.5625	5.90	5.89	5.88	5.87	5.87
18.6250	5.86	5.85	5.84	5.84	5.83
18.6875	5.82	5.82	5.81	5.80	5.79
18.7500	5.79	5.78	5.77	5.76	5.76
18.8125	5.75	5.74	5.74	5.73	5.72
18.8750	5.72	5.71	5.70	5.69	5.69
18.9375	5.68	5.67	5.67	5.66	5.65
19.0000	5.64	5.64	5.63	5.62	5.62
19.0625	5.61	5.60	5.60	5.59	5.58
19.1250	5.57	5.57	5.56	5.55	5.54
19.1875	5.54	5.53	5.52	5.52	5.51
19.2500	5.50	5.50	5.49	5.48	5.47
19.3125	5.47	5.46	5.45	5.44	5.44
19.3750	5.43	5.42	5.42	5.41	5.40
19.4375	5.40	5.39	5.38	5.37	5.37
19.5000	5.36	5.35	5.35	5.34	5.33
19.5625	5.32	5.32	5.31	5.30	5.30
19.6250	5.29	5.28	5.27	5.27	5.26
19.6875	5.25	5.25	5.24	5.23	5.22
19.7500	5.22	5.21	5.20	5.20	5.19
19.8125	5.18	5.17	5.17	5.16	5.15
19.8750	5.15	5.14	5.13	5.13	5.12
19.9375	5.11	5.10	5.10	5.09	5.08
20.0000	5.07	5.07	5.06	5.05	5.05
20.0625	5.04	5.03	5.03	5.02	5.01
20.1250	5.00	5.00	4.99	4.98	4.98
20.1875	4.97	4.97	4.96	4.96	4.95
20.2500	4.95	4.94	4.94	4.93	4.92
20.3125	4.92	4.91	4.91	4.90	4.90
20.3750	4.89	4.88	4.88	4.87	4.87
20.4375	4.86	4.85	4.85	4.84	4.84
20.5000	4.83	4.83	4.82	4.81	4.81
20.5625	4.80	4.80	4.79	4.79	4.78
20.6250	4.78	4.77	4.77	4.76	4.76
20.6875	4.75	4.75	4.74	4.73	4.73
20.7500	4.72	4.71	4.71	4.70	4.70
20.8125	4.69	4.69	4.68	4.68	4.67
20.8750	4.67	4.66	4.66	4.65	4.65
20.9375	4.64	4.64	4.63	4.63	4.62
21.0000	4.62	4.61	4.61	4.60	4.60
21.0625	4.59	4.59	4.58	4.58	4.57
21.1250	4.57	4.56	4.56	4.55	4.55

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1875	4.54	4.53	4.53	4.52	4.52
21.2500	4.51	4.51	4.50	4.49	4.49
21.3125	4.48	4.48	4.47	4.47	4.46
21.3750	4.46	4.45	4.45	4.44	4.44
21.4375	4.43	4.43	4.42	4.41	4.41
21.5000	4.40	4.40	4.39	4.38	4.38
21.5625	4.37	4.37	4.36	4.35	4.35
21.6250	4.35	4.34	4.34	4.33	4.33
21.6875	4.32	4.32	4.31	4.31	4.30
21.7500	4.29	4.29	4.28	4.28	4.27
21.8125	4.27	4.26	4.26	4.26	4.25
21.8750	4.25	4.24	4.24	4.23	4.23
21.9375	4.22	4.22	4.21	4.20	4.20
22.0000	4.19	4.19	4.18	4.17	4.17
22.0625	4.16	4.16	4.15	4.15	4.14
22.1250	4.14	4.13	4.13	4.12	4.12
22.1875	4.11	4.11	4.10	4.09	4.09
22.2500	4.08	4.08	4.07	4.07	4.06
22.3125	4.05	4.05	4.04	4.04	4.03
22.3750	4.02	4.02	4.01	4.01	4.00
22.4375	4.00	3.99	3.99	3.98	3.98
22.5000	3.97	3.97	3.96	3.96	3.95
22.5625	3.95	3.94	3.94	3.93	3.93
22.6250	3.92	3.92	3.91	3.91	3.90
22.6875	3.90	3.90	3.89	3.88	3.88
22.7500	3.87	3.87	3.86	3.86	3.85
22.8125	3.84	3.84	3.83	3.83	3.82
22.8750	3.81	3.81	3.80	3.80	3.79
22.9375	3.79	3.78	3.78	3.77	3.77
23.0000	3.76	3.76	3.75	3.75	3.74
23.0625	3.74	3.73	3.72	3.72	3.71
23.1250	3.71	3.70	3.69	3.69	3.68
23.1875	3.68	3.67	3.66	3.66	3.66
23.2500	3.65	3.65	3.64	3.64	3.63
23.3125	3.63	3.62	3.61	3.61	3.60
23.3750	3.60	3.59	3.59	3.59	3.58
23.4375	3.58	3.57	3.57	3.56	3.56
23.5000	3.55	3.55	3.54	3.54	3.53
23.5625	3.53	3.52	3.51	3.51	3.50
23.6250	3.50	3.49	3.48	3.48	3.47
23.6875	3.47	3.46	3.46	3.45	3.45
23.7500	3.44	3.44	3.43	3.43	3.42
23.8125	3.41	3.41	3.40	3.40	3.39
23.8750	3.39	3.38	3.38	3.37	3.36
23.9375	3.36	3.35	3.34	3.34	3.33

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0000	3.32	3.30	3.27	3.24	3.20
24.0625	3.12	3.04	2.95	2.82	2.69
24.1250	2.55	2.38	2.22	2.05	1.88
24.1875	1.72	1.56	1.41	1.26	1.13
24.2500	1.01	.89	.80	.71	.63
24.3125	.56	.50	.45	.40	.36
24.3750	.32	.29	.25	.22	.20
24.4375	.18	.16	.14	.13	.11
24.5000	.10	.09	.08	.07	.06
24.5625	.06	.05	.04	.04	.03
24.6250	.03	.03	.02	.02	.02
24.6875	.01	.01	.01	.01	.01
24.7500	.01	.01	.00	.00	.00
24.8125	.00	.00	.00		

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN AA IN 2
Outflow HYG file = work_pad.hyg - WQBASIN AA OUT 2

Pond Node Data = WQBASIN AA
Pond Volume Data = WQBASIN AA
Pond Outlet Data = WQB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 330.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 108.62 cfs at 12.2000 hrs
Peak Outflow = 89.72 cfs at 12.3125 hrs

Peak Elevation = 339.49 ft
Peak Storage = 203979 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 488130
- Infiltration = 0
- HYG Vol OUT = 297712
- Retained Vol = 190418

Unrouted Vol = 0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA OUT

HYG Tag = 2

 Peak Discharge = 89.72 cfs
 Time to Peak = 12.3125 hrs
 HYG Volume = 297712 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.00	.00	.00
11.2750	.00	.00	.00	.00	.00
11.3375	.00	.00	.00	.00	.00
11.4000	.00	.00	.00	.00	.00
11.4625	.00	.00	.00	.00	.00
11.5250	.00	.00	.00	.00	.00
11.5875	.00	.00	.00	.00	.00
11.6500	.00	.00	.00	.00	.00
11.7125	.00	.00	.00	.00	.00
11.7750	.00	.00	.00	.00	.00
11.8375	.00	.00	.00	.00	.00
11.9000	.00	.00	.00	.00	.00
11.9625	.00	.00	.00	.00	.00
12.0250	.00	.00	.00	.00	.00
12.0875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.1500	.00	.00	.00	.00	.00
12.2125	2.00	20.47	43.00	62.01	75.11
12.2750	83.27	87.66	89.52	89.72	88.85
12.3375	87.27	85.23	82.95	80.57	78.13
12.4000	75.70	73.30	70.94	68.63	66.40
12.4625	64.37	62.33	60.27	58.23	56.20
12.5250	54.20	52.21	50.27	48.35	46.48
12.5875	44.66	42.94	41.42	39.90	38.38
12.6500	36.89	35.45	34.06	32.73	31.47
12.7125	30.27	29.15	28.09	27.10	26.18
12.7750	25.32	24.52	23.78	23.20	22.66
12.8375	22.14	21.63	21.15	20.68	20.24
12.9000	19.81	19.41	19.03	18.66	18.31
12.9625	17.98	17.66	17.35	17.06	16.78
13.0250	16.51	16.25	16.00	15.76	15.52
13.0875	15.29	15.07	14.86	14.66	14.46
13.1500	14.27	14.09	13.91	13.74	13.59
13.2125	13.43	13.29	13.15	13.02	12.90
13.2750	12.78	12.67	12.57	12.47	12.38
13.3375	12.29	12.20	12.12	12.04	11.97
13.4000	11.89	11.83	11.76	11.69	11.63
13.4625	11.57	11.51	11.45	11.39	11.33
13.5250	11.28	11.22	11.17	11.11	11.06
13.5875	11.01	10.95	10.90	10.85	10.80
13.6500	10.75	10.69	10.64	10.59	10.54
13.7125	10.49	10.44	10.39	10.34	10.29
13.7750	10.24	10.19	10.14	10.09	10.04
13.8375	9.99	9.94	9.89	9.84	9.79
13.9000	9.74	9.69	9.64	9.59	9.54
13.9625	9.49	9.44	9.39	9.34	9.29
14.0250	9.24	9.19	9.15	9.10	9.05
14.0875	9.00	8.95	8.90	8.86	8.81
14.1500	8.77	8.72	8.68	8.63	8.59
14.2125	8.55	8.51	8.48	8.44	8.40
14.2750	8.37	8.34	8.32	8.30	8.28
14.3375	8.25	8.23	8.21	8.18	8.16
14.4000	8.13	8.11	8.08	8.06	8.03
14.4625	8.01	7.98	7.96	7.93	7.91
14.5250	7.88	7.86	7.83	7.81	7.78
14.5875	7.76	7.74	7.71	7.69	7.66
14.6500	7.64	7.61	7.59	7.56	7.54
14.7125	7.52	7.49	7.47	7.44	7.42
14.7750	7.39	7.37	7.35	7.32	7.30
14.8375	7.27	7.25	7.23	7.20	7.18
14.9000	7.15	7.13	7.11	7.08	7.06

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	7.03	7.01	6.99	6.96	6.94
15.0250	6.91	6.89	6.87	6.84	6.82
15.0875	6.79	6.77	6.75	6.72	6.70
15.1500	6.67	6.65	6.63	6.60	6.58
15.2125	6.55	6.53	6.51	6.48	6.46
15.2750	6.43	6.41	6.39	6.36	6.34
15.3375	6.31	6.29	6.27	6.24	6.22
15.4000	6.19	6.17	6.14	6.12	6.10
15.4625	6.07	6.05	6.02	6.00	5.98
15.5250	5.95	5.93	5.90	5.88	5.85
15.5875	5.83	5.81	5.78	5.76	5.73
15.6500	5.71	5.68	5.66	5.64	5.61
15.7125	5.59	5.56	5.54	5.52	5.49
15.7750	5.47	5.44	5.42	5.39	5.37
15.8375	5.35	5.32	5.30	5.27	5.25
15.9000	5.22	5.20	5.18	5.15	5.13
15.9625	5.10	5.08	5.05	5.03	5.01
16.0250	4.98	4.96	4.93	4.91	4.89
16.0875	4.86	4.84	4.82	4.79	4.77
16.1500	4.75	4.73	4.70	4.68	4.66
16.2125	4.64	4.62	4.60	4.58	4.56
16.2750	4.55	4.53	4.51	4.49	4.48
16.3375	4.46	4.45	4.43	4.42	4.40
16.4000	4.39	4.38	4.36	4.35	4.34
16.4625	4.32	4.31	4.30	4.29	4.27
16.5250	4.26	4.25	4.24	4.23	4.22
16.5875	4.20	4.19	4.18	4.17	4.16
16.6500	4.15	4.14	4.13	4.12	4.10
16.7125	4.09	4.08	4.07	4.06	4.05
16.7750	4.04	4.03	4.02	4.01	4.00
16.8375	3.99	3.98	3.97	3.96	3.94
16.9000	3.93	3.92	3.91	3.90	3.89
16.9625	3.88	3.87	3.86	3.85	3.84
17.0250	3.83	3.82	3.81	3.80	3.79
17.0875	3.77	3.76	3.75	3.74	3.73
17.1500	3.72	3.71	3.70	3.69	3.68
17.2125	3.67	3.66	3.65	3.64	3.63
17.2750	3.62	3.61	3.60	3.58	3.57
17.3375	3.56	3.55	3.54	3.53	3.52
17.4000	3.51	3.50	3.49	3.48	3.47
17.4625	3.46	3.45	3.44	3.43	3.41
17.5250	3.40	3.39	3.38	3.37	3.36
17.5875	3.35	3.34	3.33	3.32	3.31
17.6500	3.30	3.29	3.28	3.27	3.26
17.7125	3.24	3.23	3.22	3.21	3.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	3.19	3.18	3.17	3.16	3.15
17.8375	3.14	3.13	3.12	3.11	3.10
17.9000	3.09	3.07	3.06	3.05	3.04
17.9625	3.03	3.02	3.01	3.00	2.99
18.0250	2.98	2.97	2.96	2.95	2.94
18.0875	2.93	2.92	2.91	2.90	2.89
18.1500	2.88	2.87	2.86	2.85	2.84
18.2125	2.83	2.82	2.81	2.81	2.80
18.2750	2.79	2.78	2.78	2.77	2.77
18.3375	2.76	2.75	2.75	2.74	2.74
18.4000	2.73	2.73	2.72	2.72	2.71
18.4625	2.71	2.71	2.70	2.70	2.69
18.5250	2.69	2.69	2.68	2.68	2.68
18.5875	2.67	2.67	2.67	2.66	2.66
18.6500	2.65	2.65	2.65	2.64	2.64
18.7125	2.64	2.63	2.63	2.63	2.62
18.7750	2.62	2.62	2.62	2.61	2.61
18.8375	2.61	2.60	2.60	2.60	2.59
18.9000	2.59	2.59	2.58	2.58	2.58
18.9625	2.57	2.57	2.57	2.56	2.56
19.0250	2.56	2.55	2.55	2.55	2.54
19.0875	2.54	2.54	2.54	2.53	2.53
19.1500	2.53	2.52	2.52	2.52	2.51
19.2125	2.51	2.51	2.50	2.50	2.50
19.2750	2.49	2.49	2.49	2.48	2.48
19.3375	2.48	2.48	2.47	2.47	2.47
19.4000	2.46	2.46	2.46	2.45	2.45
19.4625	2.45	2.44	2.44	2.44	2.43
19.5250	2.43	2.43	2.42	2.42	2.42
19.5875	2.41	2.41	2.41	2.41	2.40
19.6500	2.40	2.40	2.39	2.39	2.39
19.7125	2.38	2.38	2.38	2.37	2.37
19.7750	2.37	2.36	2.36	2.36	2.35
19.8375	2.35	2.35	2.34	2.34	2.34
19.9000	2.34	2.33	2.33	2.33	2.32
19.9625	2.32	2.32	2.31	2.31	2.31
20.0250	2.30	2.30	2.30	2.29	2.29
20.0875	2.29	2.28	2.28	2.28	2.27
20.1500	2.27	2.27	2.27	2.26	2.26
20.2125	2.26	2.25	2.25	2.25	2.25
20.2750	2.24	2.24	2.24	2.24	2.23
20.3375	2.23	2.23	2.23	2.22	2.22
20.4000	2.22	2.21	2.21	2.21	2.21
20.4625	2.20	2.20	2.20	2.20	2.19
20.5250	2.19	2.19	2.19	2.18	2.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	2.18	2.18	2.17	2.17	2.17
20.6500	2.17	2.16	2.16	2.16	2.16
20.7125	2.15	2.15	2.15	2.15	2.14
20.7750	2.14	2.14	2.14	2.13	2.13
20.8375	2.13	2.13	2.12	2.12	2.12
20.9000	2.12	2.11	2.11	2.11	2.11
20.9625	2.11	2.10	2.10	2.10	2.10
21.0250	2.09	2.09	2.09	2.09	2.08
21.0875	2.08	2.08	2.08	2.08	2.07
21.1500	2.07	2.07	2.07	2.06	2.06
21.2125	2.06	2.06	2.06	2.05	2.05
21.2750	2.05	2.04	2.04	2.04	2.04
21.3375	2.04	2.03	2.03	2.03	2.03
21.4000	2.02	2.02	2.02	2.02	2.01
21.4625	2.01	2.01	2.01	2.00	2.00
21.5250	2.00	2.00	1.99	1.99	1.99
21.5875	1.99	1.98	1.98	1.98	1.98
21.6500	1.97	1.97	1.97	1.97	1.96
21.7125	1.96	1.96	1.96	1.95	1.95
21.7750	1.95	1.95	1.95	1.94	1.94
21.8375	1.94	1.94	1.93	1.93	1.93
21.9000	1.93	1.93	1.92	1.92	1.92
21.9625	1.92	1.91	1.91	1.91	1.91
22.0250	1.90	1.90	1.90	1.90	1.89
22.0875	1.89	1.89	1.89	1.88	1.88
22.1500	1.88	1.88	1.87	1.87	1.87
22.2125	1.87	1.87	1.86	1.86	1.86
22.2750	1.86	1.85	1.85	1.85	1.85
22.3375	1.84	1.84	1.84	1.83	1.83
22.4000	1.83	1.83	1.82	1.82	1.82
22.4625	1.82	1.81	1.81	1.81	1.81
22.5250	1.81	1.80	1.80	1.80	1.80
22.5875	1.79	1.79	1.79	1.79	1.78
22.6500	1.78	1.78	1.78	1.78	1.77
22.7125	1.77	1.77	1.77	1.77	1.76
22.7750	1.76	1.76	1.76	1.75	1.75
22.8375	1.75	1.75	1.74	1.74	1.74
22.9000	1.74	1.73	1.73	1.73	1.73
22.9625	1.72	1.72	1.72	1.72	1.71
23.0250	1.71	1.71	1.71	1.70	1.70
23.0875	1.70	1.70	1.69	1.69	1.69
23.1500	1.69	1.68	1.68	1.68	1.68
23.2125	1.67	1.67	1.67	1.67	1.66
23.2750	1.66	1.66	1.66	1.65	1.65
23.3375	1.65	1.65	1.64	1.64	1.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	1.64	1.64	1.63	1.63	1.63
23.4625	1.63	1.62	1.62	1.62	1.62
23.5250	1.62	1.61	1.61	1.61	1.61
23.5875	1.60	1.60	1.60	1.60	1.59
23.6500	1.59	1.59	1.59	1.58	1.58
23.7125	1.58	1.58	1.57	1.57	1.57
23.7750	1.57	1.56	1.56	1.56	1.56
23.8375	1.55	1.55	1.55	1.55	1.55
23.9000	1.54	1.54	1.54	1.54	1.53
23.9625	1.53	1.53	1.52	1.52	1.52
24.0250	1.51	1.51	1.50	1.49	1.48
24.0875	1.46	1.44	1.42	1.39	1.35
24.1500	1.31	1.27	1.22	1.17	1.11
24.2125	1.06	1.00	.94	.88	.82
24.2750	.77	.71	.66	.61	.56
24.3375	.52	.48	.44	.40	.37
24.4000	.34	.31	.28	.26	.23
24.4625	.21	.19	.17	.16	.14
24.5250	.13	.12	.11	.10	.09
24.5875	.08	.07	.06	.06	.05
24.6500	.05	.04	.04	.03	.03
24.7125	.03	.02	.02	.02	.02
24.7750	.02	.01	.01	.01	.01
24.8375	.01	.01	.01	.01	.00
24.9000	.00	.00	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN AA IN 10
Outflow HYG file = work_pad.hyg - WQBASIN AA OUT 10

Pond Node Data = WQBASIN AA
Pond Volume Data = WQBASIN AA
Pond Outlet Data = WQB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 330.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 183.42 cfs at 12.1750 hrs
Peak Outflow = 181.84 cfs at 12.2125 hrs

Peak Elevation = 339.78 ft
Peak Storage = 212328 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 847615
- Infiltration = 0
- HYG Vol OUT = 657197
- Retained Vol = 190418

Unrouted Vol = 0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA OUT

HYG Tag = 10

 Peak Discharge = 181.84 cfs
 Time to Peak = 12.2125 hrs
 HYG Volume = 657197 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	Output	Output	Output	Output	Output
3.1375	.00	.00	.00	.00	.00
3.2000	.00	.00	.00	.00	.00
3.2625	.00	.00	.00	.00	.00
3.3250	.00	.00	.00	.00	.00
3.3875	.00	.00	.00	.00	.00
3.4500	.00	.00	.00	.00	.00
3.5125	.00	.00	.00	.00	.00
3.5750	.00	.00	.00	.00	.00
3.6375	.00	.00	.00	.00	.00
3.7000	.00	.00	.00	.00	.00
3.7625	.00	.00	.00	.00	.00
3.8250	.00	.00	.00	.00	.00
3.8875	.00	.00	.00	.00	.00
3.9500	.00	.00	.00	.00	.00
4.0125	.00	.00	.00	.00	.00
4.0750	.00	.00	.00	.00	.00
4.1375	.00	.00	.00	.00	.00
4.2000	.00	.00	.00	.00	.00
4.2625	.00	.00	.00	.00	.00
4.3250	.00	.00	.00	.00	.00
4.3875	.00	.00	.00	.00	.00
4.4500	.00	.00	.00	.00	.00
4.5125	.00	.00	.00	.00	.00
4.5750	.00	.00	.00	.00	.00
4.6375	.00	.00	.00	.00	.00
4.7000	.00	.00	.00	.00	.00
4.7625	.00	.00	.00	.00	.00
4.8250	.00	.00	.00	.00	.00
4.8875	.00	.00	.00	.00	.00
4.9500	.00	.00	.00	.00	.00
5.0125	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.0750	.00	.00	.00	.00	.00
5.1375	.00	.00	.00	.00	.00
5.2000	.00	.00	.00	.00	.00
5.2625	.00	.00	.00	.00	.00
5.3250	.00	.00	.00	.00	.00
5.3875	.00	.00	.00	.00	.00
5.4500	.00	.00	.00	.00	.00
5.5125	.00	.00	.00	.00	.00
5.5750	.00	.00	.00	.00	.00
5.6375	.00	.00	.00	.00	.00
5.7000	.00	.00	.00	.00	.00
5.7625	.00	.00	.00	.00	.00
5.8250	.00	.00	.00	.00	.00
5.8875	.00	.00	.00	.00	.00
5.9500	.00	.00	.00	.00	.00
6.0125	.00	.00	.00	.00	.00
6.0750	.00	.00	.00	.00	.00
6.1375	.00	.00	.00	.00	.00
6.2000	.00	.00	.00	.00	.00
6.2625	.00	.00	.00	.00	.00
6.3250	.00	.00	.00	.00	.00
6.3875	.00	.00	.00	.00	.00
6.4500	.00	.00	.00	.00	.00
6.5125	.00	.00	.00	.00	.00
6.5750	.00	.00	.00	.00	.00
6.6375	.00	.00	.00	.00	.00
6.7000	.00	.00	.00	.00	.00
6.7625	.00	.00	.00	.00	.00
6.8250	.00	.00	.00	.00	.00
6.8875	.00	.00	.00	.00	.00
6.9500	.00	.00	.00	.00	.00
7.0125	.00	.00	.00	.00	.00
7.0750	.00	.00	.00	.00	.00
7.1375	.00	.00	.00	.00	.00
7.2000	.00	.00	.00	.00	.00
7.2625	.00	.00	.00	.00	.00
7.3250	.00	.00	.00	.00	.00
7.3875	.00	.00	.00	.00	.00
7.4500	.00	.00	.00	.00	.00
7.5125	.00	.00	.00	.00	.00
7.5750	.00	.00	.00	.00	.00
7.6375	.00	.00	.00	.00	.00
7.7000	.00	.00	.00	.00	.00
7.7625	.00	.00	.00	.00	.00
7.8250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
7.8875	.00	.00	.00	.00	.00
7.9500	.00	.00	.00	.00	.00
8.0125	.00	.00	.00	.00	.00
8.0750	.00	.00	.00	.00	.00
8.1375	.00	.00	.00	.00	.00
8.2000	.00	.00	.00	.00	.00
8.2625	.00	.00	.00	.00	.00
8.3250	.00	.00	.00	.00	.00
8.3875	.00	.00	.00	.00	.00
8.4500	.00	.00	.00	.00	.00
8.5125	.00	.00	.00	.00	.00
8.5750	.00	.00	.00	.00	.00
8.6375	.00	.00	.00	.00	.00
8.7000	.00	.00	.00	.00	.00
8.7625	.00	.00	.00	.00	.00
8.8250	.00	.00	.00	.00	.00
8.8875	.00	.00	.00	.00	.00
8.9500	.00	.00	.00	.00	.00
9.0125	.00	.00	.00	.00	.00
9.0750	.00	.00	.00	.00	.00
9.1375	.00	.00	.00	.00	.00
9.2000	.00	.00	.00	.00	.00
9.2625	.00	.00	.00	.00	.00
9.3250	.00	.00	.00	.00	.00
9.3875	.00	.00	.00	.00	.00
9.4500	.00	.00	.00	.00	.00
9.5125	.00	.00	.00	.00	.00
9.5750	.00	.00	.00	.00	.00
9.6375	.00	.00	.00	.00	.00
9.7000	.00	.00	.00	.00	.00
9.7625	.00	.00	.00	.00	.00
9.8250	.00	.00	.00	.00	.00
9.8875	.00	.00	.00	.00	.00
9.9500	.00	.00	.00	.00	.00
10.0125	.00	.00	.00	.00	.00
10.0750	.00	.00	.00	.00	.00
10.1375	.00	.00	.00	.00	.00
10.2000	.00	.00	.00	.00	.00
10.2625	.00	.00	.00	.00	.00
10.3250	.00	.00	.00	.00	.00
10.3875	.00	.00	.00	.00	.00
10.4500	.00	.00	.00	.00	.00
10.5125	.00	.00	.00	.00	.00
10.5750	.00	.00	.00	.00	.00
10.6375	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
10.7000	.00	.00	.00	.00	.00
10.7625	.00	.00	.00	.00	.00
10.8250	.00	.00	.00	.00	.00
10.8875	.00	.00	.00	.00	.00
10.9500	.00	.00	.00	.00	.00
11.0125	.00	.00	.00	.00	.00
11.0750	.00	.00	.00	.00	.00
11.1375	.00	.00	.00	.00	.00
11.2000	.00	.00	.00	.00	.00
11.2625	.00	.00	.00	.00	.00
11.3250	.00	.00	.00	.00	.00
11.3875	.00	.00	.00	.00	.00
11.4500	.00	.00	.00	.00	.00
11.5125	.00	.00	.00	.00	.00
11.5750	.00	.00	.00	.00	.00
11.6375	.00	.00	.00	.00	.00
11.7000	.00	.00	.00	.00	.00
11.7625	.00	.00	.00	.00	.00
11.8250	4.03	12.87	23.46	34.43	43.13
11.8875	51.18	57.63	62.95	67.68	72.41
11.9500	76.77	81.07	85.54	90.16	95.27
12.0125	101.07	107.08	113.34	119.89	126.85
12.0750	133.95	140.90	147.68	154.08	160.36
12.1375	166.08	170.95	175.04	178.32	180.45
12.2000	181.62	181.84	180.95	179.23	176.79
12.2625	173.63	169.98	165.94	161.53	156.89
12.3250	152.26	147.60	142.84	138.13	133.54
12.3875	129.06	124.73	120.68	116.81	112.98
12.4500	109.21	105.49	101.85	98.28	94.77
12.5125	91.48	88.29	85.10	81.93	78.79
12.5750	75.70	72.71	69.77	66.92	64.44
12.6375	61.95	59.52	57.17	54.90	52.73
12.7000	50.69	48.75	46.94	45.24	43.65
12.7625	42.33	41.09	39.90	38.77	37.70
12.8250	36.69	35.75	34.86	34.03	33.25
12.8875	32.51	31.81	31.16	30.54	29.96
12.9500	29.40	28.87	28.37	27.89	27.43
13.0125	26.98	26.56	26.14	25.75	25.36
13.0750	24.99	24.63	24.28	23.94	23.62
13.1375	23.37	23.11	22.86	22.60	22.35
13.2000	22.11	21.88	21.66	21.44	21.23
13.2625	21.04	20.85	20.67	20.50	20.34
13.3250	20.19	20.04	19.90	19.77	19.64
13.3875	19.52	19.40	19.29	19.18	19.07
13.4500	18.96	18.86	18.76	18.66	18.57

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.5125	18.47	18.38	18.29	18.20	18.11
13.5750	18.02	17.94	17.85	17.76	17.68
13.6375	17.59	17.51	17.42	17.34	17.25
13.7000	17.17	17.08	17.00	16.92	16.83
13.7625	16.75	16.67	16.59	16.50	16.42
13.8250	16.34	16.26	16.18	16.10	16.01
13.8875	15.93	15.85	15.77	15.69	15.61
13.9500	15.52	15.44	15.36	15.28	15.20
14.0125	15.12	15.04	14.96	14.87	14.79
14.0750	14.71	14.63	14.56	14.48	14.40
14.1375	14.33	14.25	14.18	14.11	14.04
14.2000	13.97	13.90	13.84	13.77	13.71
14.2625	13.65	13.60	13.54	13.49	13.44
14.3250	13.38	13.33	13.28	13.24	13.19
14.3875	13.14	13.10	13.05	13.01	12.96
14.4500	12.92	12.88	12.84	12.79	12.75
14.5125	12.71	12.67	12.63	12.59	12.55
14.5750	12.51	12.47	12.43	12.39	12.35
14.6375	12.31	12.26	12.23	12.19	12.15
14.7000	12.11	12.07	12.03	11.99	11.95
14.7625	11.91	11.87	11.83	11.79	11.75
14.8250	11.71	11.67	11.63	11.60	11.56
14.8875	11.52	11.48	11.44	11.40	11.36
14.9500	11.32	11.28	11.24	11.20	11.16
15.0125	11.12	11.09	11.05	11.01	10.97
15.0750	10.93	10.89	10.85	10.81	10.77
15.1375	10.73	10.69	10.65	10.61	10.57
15.2000	10.53	10.49	10.46	10.42	10.38
15.2625	10.34	10.30	10.26	10.22	10.18
15.3250	10.14	10.10	10.06	10.02	9.98
15.3875	9.95	9.91	9.87	9.83	9.79
15.4500	9.75	9.71	9.67	9.63	9.59
15.5125	9.55	9.51	9.47	9.43	9.39
15.5750	9.35	9.31	9.27	9.23	9.20
15.6375	9.16	9.12	9.08	9.04	9.00
15.7000	8.96	8.92	8.88	8.84	8.80
15.7625	8.76	8.72	8.68	8.64	8.61
15.8250	8.57	8.53	8.49	8.45	8.41
15.8875	8.37	8.34	8.31	8.29	8.26
15.9500	8.23	8.20	8.17	8.14	8.10
16.0125	8.07	8.03	8.00	7.96	7.93
16.0750	7.89	7.85	7.82	7.78	7.75
16.1375	7.71	7.67	7.64	7.61	7.57
16.2000	7.54	7.51	7.47	7.44	7.41
16.2625	7.38	7.35	7.33	7.30	7.27

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.3250	7.25	7.22	7.19	7.17	7.15
16.3875	7.12	7.10	7.08	7.06	7.04
16.4500	7.01	6.99	6.97	6.95	6.93
16.5125	6.91	6.89	6.88	6.86	6.84
16.5750	6.82	6.80	6.78	6.76	6.75
16.6375	6.73	6.71	6.69	6.67	6.66
16.7000	6.64	6.62	6.60	6.59	6.57
16.7625	6.55	6.53	6.52	6.50	6.48
16.8250	6.46	6.45	6.43	6.41	6.39
16.8875	6.38	6.36	6.34	6.33	6.31
16.9500	6.29	6.27	6.26	6.24	6.22
17.0125	6.21	6.19	6.17	6.15	6.14
17.0750	6.12	6.10	6.08	6.07	6.05
17.1375	6.03	6.02	6.00	5.98	5.96
17.2000	5.95	5.93	5.91	5.90	5.88
17.2625	5.86	5.84	5.83	5.81	5.79
17.3250	5.78	5.76	5.74	5.72	5.71
17.3875	5.69	5.67	5.65	5.64	5.62
17.4500	5.60	5.59	5.57	5.55	5.53
17.5125	5.52	5.50	5.48	5.47	5.45
17.5750	5.43	5.41	5.40	5.38	5.36
17.6375	5.35	5.33	5.31	5.29	5.28
17.7000	5.26	5.24	5.22	5.21	5.19
17.7625	5.17	5.16	5.14	5.12	5.10
17.8250	5.09	5.07	5.05	5.04	5.02
17.8875	5.00	4.98	4.97	4.95	4.93
17.9500	4.91	4.90	4.88	4.86	4.85
18.0125	4.83	4.81	4.79	4.78	4.76
18.0750	4.74	4.73	4.71	4.69	4.68
18.1375	4.66	4.64	4.63	4.61	4.60
18.2000	4.58	4.57	4.56	4.54	4.53
18.2625	4.52	4.51	4.50	4.48	4.47
18.3250	4.46	4.46	4.45	4.44	4.43
18.3875	4.42	4.41	4.40	4.40	4.39
18.4500	4.38	4.38	4.37	4.36	4.36
18.5125	4.35	4.34	4.34	4.33	4.33
18.5750	4.32	4.31	4.31	4.30	4.30
18.6375	4.29	4.29	4.28	4.27	4.27
18.7000	4.26	4.26	4.25	4.25	4.24
18.7625	4.24	4.23	4.23	4.22	4.22
18.8250	4.21	4.21	4.20	4.19	4.19
18.8875	4.18	4.18	4.17	4.17	4.16
18.9500	4.16	4.15	4.15	4.14	4.14
19.0125	4.13	4.13	4.12	4.12	4.11
19.0750	4.11	4.10	4.10	4.09	4.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.1375	4.08	4.08	4.07	4.07	4.06
19.2000	4.06	4.05	4.04	4.04	4.03
19.2625	4.03	4.02	4.02	4.01	4.01
19.3250	4.00	4.00	3.99	3.99	3.98
19.3875	3.98	3.97	3.97	3.96	3.96
19.4500	3.95	3.95	3.94	3.94	3.93
19.5125	3.93	3.92	3.92	3.91	3.91
19.5750	3.90	3.90	3.89	3.89	3.88
19.6375	3.87	3.87	3.86	3.86	3.85
19.7000	3.85	3.84	3.84	3.83	3.83
19.7625	3.82	3.82	3.81	3.81	3.80
19.8250	3.80	3.79	3.79	3.78	3.78
19.8875	3.77	3.77	3.76	3.76	3.75
19.9500	3.75	3.74	3.74	3.73	3.73
20.0125	3.72	3.71	3.71	3.70	3.70
20.0750	3.69	3.69	3.68	3.68	3.67
20.1375	3.67	3.66	3.66	3.65	3.65
20.2000	3.64	3.64	3.63	3.63	3.63
20.2625	3.62	3.62	3.61	3.61	3.60
20.3250	3.60	3.60	3.59	3.59	3.58
20.3875	3.58	3.58	3.57	3.57	3.56
20.4500	3.56	3.55	3.55	3.55	3.54
20.5125	3.54	3.53	3.53	3.52	3.52
20.5750	3.52	3.51	3.51	3.50	3.50
20.6375	3.50	3.49	3.49	3.49	3.48
20.7000	3.48	3.47	3.47	3.47	3.46
20.7625	3.46	3.45	3.45	3.44	3.44
20.8250	3.44	3.43	3.43	3.42	3.42
20.8875	3.42	3.41	3.41	3.40	3.40
20.9500	3.40	3.39	3.39	3.39	3.38
21.0125	3.38	3.37	3.37	3.37	3.36
21.0750	3.36	3.36	3.35	3.35	3.35
21.1375	3.34	3.34	3.34	3.33	3.33
21.2000	3.32	3.32	3.32	3.31	3.31
21.2625	3.30	3.30	3.30	3.29	3.29
21.3250	3.28	3.28	3.28	3.27	3.27
21.3875	3.26	3.26	3.26	3.25	3.25
21.4500	3.24	3.24	3.24	3.23	3.23
21.5125	3.23	3.22	3.22	3.21	3.21
21.5750	3.20	3.20	3.20	3.19	3.19
21.6375	3.18	3.18	3.18	3.17	3.17
21.7000	3.16	3.16	3.16	3.15	3.15
21.7625	3.15	3.14	3.14	3.13	3.13
21.8250	3.13	3.12	3.12	3.12	3.11
21.8875	3.11	3.11	3.10	3.10	3.09

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.9500	3.09	3.09	3.08	3.08	3.08
22.0125	3.07	3.07	3.06	3.06	3.06
22.0750	3.05	3.05	3.04	3.04	3.04
22.1375	3.03	3.03	3.02	3.02	3.02
22.2000	3.01	3.01	3.00	3.00	3.00
22.2625	2.99	2.99	2.98	2.98	2.98
22.3250	2.97	2.97	2.96	2.96	2.96
22.3875	2.95	2.95	2.94	2.94	2.94
22.4500	2.93	2.93	2.92	2.92	2.92
22.5125	2.91	2.91	2.90	2.90	2.90
22.5750	2.89	2.89	2.89	2.88	2.88
22.6375	2.87	2.87	2.87	2.86	2.86
22.7000	2.86	2.85	2.85	2.85	2.84
22.7625	2.84	2.84	2.83	2.83	2.82
22.8250	2.82	2.82	2.81	2.81	2.80
22.8875	2.80	2.80	2.79	2.79	2.78
22.9500	2.78	2.78	2.77	2.77	2.76
23.0125	2.76	2.76	2.75	2.75	2.74
23.0750	2.74	2.74	2.73	2.73	2.72
23.1375	2.72	2.72	2.71	2.71	2.70
23.2000	2.70	2.69	2.69	2.69	2.68
23.2625	2.68	2.67	2.67	2.67	2.66
23.3250	2.66	2.66	2.65	2.65	2.64
23.3875	2.64	2.64	2.63	2.63	2.63
23.4500	2.62	2.62	2.62	2.61	2.61
23.5125	2.61	2.60	2.60	2.59	2.59
23.5750	2.59	2.58	2.58	2.57	2.57
23.6375	2.57	2.56	2.56	2.55	2.55
23.7000	2.55	2.54	2.54	2.53	2.53
23.7625	2.53	2.52	2.52	2.51	2.51
23.8250	2.51	2.50	2.50	2.50	2.49
23.8875	2.49	2.48	2.48	2.48	2.47
23.9500	2.47	2.46	2.46	2.45	2.45
24.0125	2.44	2.44	2.43	2.42	2.40
24.0750	2.38	2.36	2.32	2.28	2.23
24.1375	2.18	2.11	2.04	1.96	1.88
24.2000	1.79	1.70	1.61	1.51	1.42
24.2625	1.33	1.24	1.15	1.06	.98
24.3250	.91	.84	.77	.71	.65
24.3875	.59	.54	.49	.45	.41
24.4500	.37	.34	.31	.28	.26
24.5125	.23	.21	.19	.17	.16
24.5750	.14	.13	.11	.10	.09
24.6375	.08	.07	.07	.06	.05
24.7000	.05	.04	.04	.03	.03

Type.... Pond Routed HYG (total out)

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Name.... WQBASIN AA OUT Tag: 10

Event: 10 yr

File.... J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\622 PROPOSED.ppw

Storm... TypeIII 24hr Tag: 10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.7625	.03	.02	.02	.02	.02
24.8250	.01	.01	.01	.01	.01
24.8875	.01	.01	.01	.00	.00
24.9500	.00	.00	.00		

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN AA IN 25
Outflow HYG file = work_pad.hyg - WQBASIN AA OUT 25

Pond Node Data = WQBASIN AA
Pond Volume Data = WQBASIN AA
Pond Outlet Data = WQB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 330.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 220.48 cfs at 12.1750 hrs
Peak Outflow = 218.67 cfs at 12.2125 hrs

Peak Elevation = 339.88 ft
Peak Storage = 215271 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 1029602
- Infiltration = 0
- HYG Vol OUT = 839185
- Retained Vol = 190418

Unrouted Vol = 1 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA OUT

HYG Tag = 25

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Peak Discharge =      218.67 cfs
Time to Peak   =      12.2125 hrs
HYG Volume     =      839185 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
2.7000	.00	.00	.00	.00	.00
2.7625	.00	.00	.00	.00	.00
2.8250	.00	.00	.00	.00	.00
2.8875	.00	.00	.00	.00	.00
2.9500	.00	.00	.00	.00	.00
3.0125	.00	.00	.00	.00	.00
3.0750	.00	.00	.00	.00	.00
3.1375	.00	.00	.00	.00	.00
3.2000	.00	.00	.00	.00	.00
3.2625	.00	.00	.00	.00	.00
3.3250	.00	.00	.00	.00	.00
3.3875	.00	.00	.00	.00	.00
3.4500	.00	.00	.00	.00	.00
3.5125	.00	.00	.00	.00	.00
3.5750	.00	.00	.00	.00	.00
3.6375	.00	.00	.00	.00	.00
3.7000	.00	.00	.00	.00	.00
3.7625	.00	.00	.00	.00	.00
3.8250	.00	.00	.00	.00	.00
3.8875	.00	.00	.00	.00	.00
3.9500	.00	.00	.00	.00	.00
4.0125	.00	.00	.00	.00	.00
4.0750	.00	.00	.00	.00	.00
4.1375	.00	.00	.00	.00	.00
4.2000	.00	.00	.00	.00	.00
4.2625	.00	.00	.00	.00	.00
4.3250	.00	.00	.00	.00	.00
4.3875	.00	.00	.00	.00	.00
4.4500	.00	.00	.00	.00	.00
4.5125	.00	.00	.00	.00	.00
4.5750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.6375	.00	.00	.00	.00	.00
4.7000	.00	.00	.00	.00	.00
4.7625	.00	.00	.00	.00	.00
4.8250	.00	.00	.00	.00	.00
4.8875	.00	.00	.00	.00	.00
4.9500	.00	.00	.00	.00	.00
5.0125	.00	.00	.00	.00	.00
5.0750	.00	.00	.00	.00	.00
5.1375	.00	.00	.00	.00	.00
5.2000	.00	.00	.00	.00	.00
5.2625	.00	.00	.00	.00	.00
5.3250	.00	.00	.00	.00	.00
5.3875	.00	.00	.00	.00	.00
5.4500	.00	.00	.00	.00	.00
5.5125	.00	.00	.00	.00	.00
5.5750	.00	.00	.00	.00	.00
5.6375	.00	.00	.00	.00	.00
5.7000	.00	.00	.00	.00	.00
5.7625	.00	.00	.00	.00	.00
5.8250	.00	.00	.00	.00	.00
5.8875	.00	.00	.00	.00	.00
5.9500	.00	.00	.00	.00	.00
6.0125	.00	.00	.00	.00	.00
6.0750	.00	.00	.00	.00	.00
6.1375	.00	.00	.00	.00	.00
6.2000	.00	.00	.00	.00	.00
6.2625	.00	.00	.00	.00	.00
6.3250	.00	.00	.00	.00	.00
6.3875	.00	.00	.00	.00	.00
6.4500	.00	.00	.00	.00	.00
6.5125	.00	.00	.00	.00	.00
6.5750	.00	.00	.00	.00	.00
6.6375	.00	.00	.00	.00	.00
6.7000	.00	.00	.00	.00	.00
6.7625	.00	.00	.00	.00	.00
6.8250	.00	.00	.00	.00	.00
6.8875	.00	.00	.00	.00	.00
6.9500	.00	.00	.00	.00	.00
7.0125	.00	.00	.00	.00	.00
7.0750	.00	.00	.00	.00	.00
7.1375	.00	.00	.00	.00	.00
7.2000	.00	.00	.00	.00	.00
7.2625	.00	.00	.00	.00	.00
7.3250	.00	.00	.00	.00	.00
7.3875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
7.4500	.00	.00	.00	.00	.00
7.5125	.00	.00	.00	.00	.00
7.5750	.00	.00	.00	.00	.00
7.6375	.00	.00	.00	.00	.00
7.7000	.00	.00	.00	.00	.00
7.7625	.00	.00	.00	.00	.00
7.8250	.00	.00	.00	.00	.00
7.8875	.00	.00	.00	.00	.00
7.9500	.00	.00	.00	.00	.00
8.0125	.00	.00	.00	.00	.00
8.0750	.00	.00	.00	.00	.00
8.1375	.00	.00	.00	.00	.00
8.2000	.00	.00	.00	.00	.00
8.2625	.00	.00	.00	.00	.00
8.3250	.00	.00	.00	.00	.00
8.3875	.00	.00	.00	.00	.00
8.4500	.00	.00	.00	.00	.00
8.5125	.00	.00	.00	.00	.00
8.5750	.00	.00	.00	.00	.00
8.6375	.00	.00	.00	.00	.00
8.7000	.00	.00	.00	.00	.00
8.7625	.00	.00	.00	.00	.00
8.8250	.00	.00	.00	.00	.00
8.8875	.00	.00	.00	.00	.00
8.9500	.00	.00	.00	.00	.00
9.0125	.00	.00	.00	.00	.00
9.0750	.00	.00	.00	.00	.00
9.1375	.00	.00	.00	.00	.00
9.2000	.00	.00	.00	.00	.00
9.2625	.00	.00	.00	.00	.00
9.3250	.00	.00	.00	.00	.00
9.3875	.00	.00	.00	.00	.00
9.4500	.00	.00	.00	.00	.00
9.5125	.00	.00	.00	.00	.00
9.5750	.00	.00	.00	.00	.00
9.6375	.00	.00	.00	.00	.00
9.7000	.00	.00	.00	.00	.00
9.7625	.00	.00	.00	.00	.00
9.8250	.00	.00	.00	.00	.00
9.8875	.00	.00	.00	.00	.00
9.9500	.00	.00	.00	.00	.00
10.0125	.00	.00	.00	.00	.00
10.0750	.00	.00	.00	.00	.00
10.1375	.00	.00	.00	.00	.00
10.2000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.2625	.00	.00	.00	.00	.00
10.3250	.00	.00	.00	.00	.00
10.3875	.00	.00	.00	.00	.00
10.4500	.00	.00	.00	.00	.00
10.5125	.00	.00	.00	.00	.00
10.5750	.00	.00	.00	.00	.00
10.6375	.00	.00	.00	.00	.00
10.7000	.00	.00	.00	.00	.00
10.7625	.00	.00	.00	.00	.00
10.8250	.00	.00	.00	.00	.00
10.8875	.00	.00	.00	.00	.00
10.9500	.00	.00	.00	.00	.00
11.0125	.00	.00	.00	.00	.00
11.0750	.00	.00	.00	.00	.00
11.1375	.00	.00	.00	.00	.00
11.2000	.00	.00	.00	.00	.00
11.2625	.00	.00	.00	.00	.00
11.3250	.00	.00	.00	.00	.00
11.3875	.00	.00	.00	.00	.00
11.4500	.00	.63	4.16	7.29	11.31
11.5125	15.31	18.51	21.11	23.25	25.39
11.5750	27.20	28.70	30.00	31.19	32.31
11.6375	33.43	34.58	35.77	37.04	38.42
11.7000	39.88	41.46	43.19	45.28	47.46
11.7625	49.71	52.02	54.43	56.94	59.54
11.8250	62.24	65.04	68.02	71.23	74.40
11.8875	77.58	80.85	84.19	87.70	91.48
11.9500	95.65	100.29	105.35	110.72	116.59
12.0125	123.11	130.46	138.08	146.00	154.10
12.0750	162.63	170.98	179.09	186.71	194.03
12.1375	200.77	206.47	211.23	215.01	217.38
12.2000	218.59	218.67	217.41	215.17	212.07
12.2625	208.12	203.61	198.64	193.25	187.66
12.3250	182.10	176.37	170.54	164.82	159.29
12.3875	153.92	148.96	144.09	139.29	134.60
12.4500	130.02	125.53	121.24	117.18	113.10
12.5125	109.06	105.05	101.10	97.23	93.42
12.5750	89.98	86.56	83.16	79.82	76.59
12.6375	73.44	70.42	67.55	64.98	62.58
12.7000	60.26	58.02	55.91	53.92	52.04
12.7625	50.29	48.67	47.15	45.75	44.44
12.8250	43.25	42.27	41.31	40.39	39.51
12.8875	38.67	37.87	37.11	36.39	35.70
12.9500	35.04	34.42	33.82	33.25	32.70
13.0125	32.17	31.66	31.17	30.69	30.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
13.0750	29.79	29.36	28.94	28.54	28.15
13.1375	27.78	27.42	27.07	26.74	26.43
13.2000	26.13	25.84	25.57	25.32	25.08
13.2625	24.85	24.63	24.42	24.23	24.05
13.3250	23.87	23.71	23.56	23.44	23.31
13.3875	23.19	23.06	22.94	22.81	22.69
13.4500	22.57	22.46	22.34	22.23	22.12
13.5125	22.01	21.90	21.79	21.68	21.57
13.5750	21.47	21.37	21.26	21.16	21.06
13.6375	20.96	20.85	20.75	20.65	20.55
13.7000	20.45	20.35	20.25	20.15	20.05
13.7625	19.95	19.85	19.76	19.66	19.56
13.8250	19.46	19.36	19.27	19.17	19.07
13.8875	18.97	18.88	18.78	18.68	18.59
13.9500	18.49	18.39	18.29	18.20	18.10
14.0125	18.00	17.91	17.81	17.71	17.62
14.0750	17.52	17.43	17.33	17.24	17.15
14.1375	17.06	16.97	16.88	16.80	16.71
14.2000	16.63	16.55	16.48	16.40	16.33
14.2625	16.26	16.19	16.12	16.06	16.00
14.3250	15.93	15.87	15.82	15.76	15.70
14.3875	15.65	15.59	15.54	15.49	15.43
14.4500	15.38	15.33	15.28	15.23	15.18
14.5125	15.13	15.08	15.03	14.98	14.94
14.5750	14.89	14.84	14.79	14.74	14.69
14.6375	14.65	14.60	14.55	14.50	14.46
14.7000	14.41	14.36	14.32	14.27	14.22
14.7625	14.17	14.13	14.08	14.03	13.99
14.8250	13.94	13.89	13.85	13.80	13.75
14.8875	13.71	13.66	13.61	13.57	13.52
14.9500	13.47	13.43	13.38	13.33	13.29
15.0125	13.24	13.19	13.14	13.10	13.05
15.0750	13.00	12.96	12.91	12.86	12.82
15.1375	12.77	12.72	12.68	12.63	12.58
15.2000	12.53	12.49	12.44	12.39	12.35
15.2625	12.30	12.25	12.21	12.16	12.11
15.3250	12.07	12.02	11.97	11.93	11.88
15.3875	11.83	11.79	11.74	11.69	11.65
15.4500	11.60	11.55	11.50	11.46	11.41
15.5125	11.36	11.32	11.27	11.22	11.17
15.5750	11.13	11.08	11.03	10.99	10.94
15.6375	10.89	10.85	10.80	10.75	10.70
15.7000	10.66	10.61	10.56	10.52	10.47
15.7625	10.42	10.38	10.33	10.28	10.24
15.8250	10.19	10.14	10.10	10.05	10.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.8875	9.95	9.91	9.86	9.81	9.77
15.9500	9.72	9.67	9.62	9.58	9.53
16.0125	9.48	9.44	9.39	9.34	9.30
16.0750	9.25	9.21	9.16	9.12	9.07
16.1375	9.03	8.99	8.95	8.91	8.87
16.2000	8.83	8.80	8.76	8.72	8.69
16.2625	8.66	8.62	8.59	8.56	8.53
16.3250	8.50	8.48	8.45	8.42	8.40
16.3875	8.37	8.35	8.33	8.32	8.30
16.4500	8.29	8.27	8.25	8.23	8.21
16.5125	8.19	8.17	8.15	8.13	8.11
16.5750	8.09	8.07	8.05	8.03	8.01
16.6375	7.99	7.97	7.95	7.93	7.91
16.7000	7.89	7.87	7.85	7.83	7.81
16.7625	7.79	7.77	7.75	7.73	7.71
16.8250	7.69	7.67	7.65	7.62	7.60
16.8875	7.58	7.56	7.54	7.52	7.50
16.9500	7.48	7.46	7.44	7.42	7.40
17.0125	7.38	7.36	7.34	7.32	7.30
17.0750	7.28	7.26	7.24	7.21	7.19
17.1375	7.17	7.15	7.13	7.11	7.09
17.2000	7.07	7.05	7.03	7.01	6.99
17.2625	6.97	6.95	6.93	6.91	6.89
17.3250	6.87	6.85	6.83	6.81	6.78
17.3875	6.76	6.74	6.72	6.70	6.68
17.4500	6.66	6.64	6.62	6.60	6.58
17.5125	6.56	6.54	6.52	6.50	6.48
17.5750	6.46	6.44	6.42	6.40	6.38
17.6375	6.36	6.34	6.31	6.29	6.27
17.7000	6.25	6.23	6.21	6.19	6.17
17.7625	6.15	6.13	6.11	6.09	6.07
17.8250	6.05	6.03	6.01	5.99	5.97
17.8875	5.95	5.92	5.90	5.88	5.86
17.9500	5.84	5.82	5.80	5.78	5.76
18.0125	5.74	5.72	5.70	5.68	5.66
18.0750	5.64	5.62	5.60	5.58	5.56
18.1375	5.54	5.52	5.50	5.48	5.47
18.2000	5.45	5.43	5.42	5.40	5.39
18.2625	5.37	5.36	5.34	5.33	5.32
18.3250	5.31	5.30	5.29	5.27	5.26
18.3875	5.25	5.25	5.24	5.23	5.22
18.4500	5.21	5.20	5.19	5.19	5.18
18.5125	5.17	5.16	5.16	5.15	5.14
18.5750	5.13	5.13	5.12	5.11	5.11
18.6375	5.10	5.09	5.09	5.08	5.07

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.7000	5.07	5.06	5.06	5.05	5.04
18.7625	5.04	5.03	5.02	5.02	5.01
18.8250	5.00	5.00	4.99	4.99	4.98
18.8875	4.97	4.97	4.96	4.96	4.95
18.9500	4.94	4.94	4.93	4.92	4.92
19.0125	4.91	4.91	4.90	4.89	4.89
19.0750	4.88	4.88	4.87	4.86	4.86
19.1375	4.85	4.84	4.84	4.83	4.83
19.2000	4.82	4.81	4.81	4.80	4.80
19.2625	4.79	4.78	4.78	4.77	4.76
19.3250	4.76	4.75	4.75	4.74	4.73
19.3875	4.73	4.72	4.72	4.71	4.70
19.4500	4.70	4.69	4.69	4.68	4.67
19.5125	4.67	4.66	4.65	4.65	4.64
19.5750	4.64	4.63	4.62	4.62	4.61
19.6375	4.61	4.60	4.59	4.59	4.58
19.7000	4.57	4.57	4.56	4.56	4.55
19.7625	4.54	4.54	4.53	4.53	4.52
19.8250	4.51	4.51	4.50	4.49	4.49
19.8875	4.48	4.48	4.47	4.46	4.46
19.9500	4.45	4.45	4.44	4.43	4.43
20.0125	4.42	4.41	4.41	4.40	4.40
20.0750	4.39	4.38	4.38	4.37	4.37
20.1375	4.36	4.35	4.35	4.34	4.34
20.2000	4.33	4.32	4.32	4.31	4.31
20.2625	4.30	4.30	4.29	4.29	4.28
20.3250	4.28	4.27	4.27	4.26	4.26
20.3875	4.25	4.25	4.24	4.24	4.23
20.4500	4.23	4.22	4.22	4.21	4.21
20.5125	4.20	4.20	4.19	4.19	4.18
20.5750	4.18	4.17	4.17	4.17	4.16
20.6375	4.16	4.15	4.15	4.14	4.14
20.7000	4.13	4.13	4.12	4.12	4.11
20.7625	4.11	4.10	4.10	4.09	4.09
20.8250	4.08	4.08	4.07	4.07	4.06
20.8875	4.06	4.05	4.05	4.05	4.04
20.9500	4.04	4.03	4.03	4.02	4.02
21.0125	4.01	4.01	4.01	4.00	4.00
21.0750	3.99	3.99	3.99	3.98	3.98
21.1375	3.97	3.97	3.96	3.96	3.95
21.2000	3.95	3.95	3.94	3.94	3.93
21.2625	3.93	3.92	3.92	3.91	3.91
21.3250	3.90	3.90	3.89	3.89	3.88
21.3875	3.88	3.87	3.87	3.87	3.86
21.4500	3.86	3.85	3.85	3.84	3.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.5125	3.83	3.83	3.82	3.82	3.81
21.5750	3.81	3.80	3.80	3.79	3.79
21.6375	3.78	3.78	3.77	3.77	3.76
21.7000	3.76	3.76	3.75	3.75	3.74
21.7625	3.74	3.73	3.73	3.72	3.72
21.8250	3.72	3.71	3.71	3.70	3.70
21.8875	3.69	3.69	3.69	3.68	3.68
21.9500	3.67	3.67	3.66	3.66	3.65
22.0125	3.65	3.65	3.64	3.64	3.63
22.0750	3.63	3.62	3.62	3.61	3.61
22.1375	3.60	3.60	3.59	3.59	3.58
22.2000	3.58	3.57	3.57	3.57	3.56
22.2625	3.56	3.55	3.55	3.54	3.54
22.3250	3.53	3.53	3.52	3.52	3.51
22.3875	3.51	3.50	3.50	3.49	3.49
22.4500	3.48	3.48	3.47	3.47	3.46
22.5125	3.46	3.46	3.45	3.45	3.44
22.5750	3.44	3.43	3.43	3.42	3.42
22.6375	3.42	3.41	3.41	3.40	3.40
22.7000	3.39	3.39	3.39	3.38	3.38
22.7625	3.37	3.37	3.36	3.36	3.35
22.8250	3.35	3.35	3.34	3.34	3.33
22.8875	3.33	3.32	3.32	3.31	3.31
22.9500	3.30	3.30	3.29	3.29	3.28
23.0125	3.28	3.27	3.27	3.27	3.26
23.0750	3.26	3.25	3.25	3.24	3.24
23.1375	3.23	3.23	3.22	3.22	3.21
23.2000	3.21	3.20	3.20	3.19	3.19
23.2625	3.18	3.18	3.17	3.17	3.16
23.3250	3.16	3.16	3.15	3.15	3.14
23.3875	3.14	3.13	3.13	3.12	3.12
23.4500	3.12	3.11	3.11	3.10	3.10
23.5125	3.09	3.09	3.09	3.08	3.08
23.5750	3.07	3.07	3.06	3.06	3.05
23.6375	3.05	3.04	3.04	3.03	3.03
23.7000	3.02	3.02	3.02	3.01	3.01
23.7625	3.00	3.00	2.99	2.99	2.98
23.8250	2.98	2.97	2.97	2.96	2.96
23.8875	2.96	2.95	2.95	2.94	2.94
23.9500	2.93	2.93	2.92	2.92	2.91
24.0125	2.90	2.90	2.88	2.87	2.85
24.0750	2.83	2.80	2.76	2.71	2.65
24.1375	2.59	2.51	2.43	2.33	2.23
24.2000	2.13	2.02	1.91	1.80	1.69
24.2625	1.58	1.47	1.36	1.26	1.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.3250	1.08	.99	.91	.84	.77
24.3875	.70	.64	.59	.54	.49
24.4500	.45	.40	.37	.33	.30
24.5125	.28	.25	.23	.20	.18
24.5750	.17	.15	.14	.12	.11
24.6375	.10	.09	.08	.07	.06
24.7000	.06	.05	.05	.04	.04
24.7625	.03	.03	.03	.02	.02
24.8250	.02	.02	.01	.01	.01
24.8875	.01	.01	.01	.01	.01
24.9500	.00	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN AA IN 50
Outflow HYG file = work_pad.hyg - WQBASIN AA OUT 50

Pond Node Data = WQBASIN AA
Pond Volume Data = WQBASIN AA
Pond Outlet Data = WQB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 330.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 238.93 cfs at 12.1750 hrs
Peak Outflow = 237.06 cfs at 12.2000 hrs

Peak Elevation = 339.93 ft
Peak Storage = 216678 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 1120901
- Infiltration = 0
- HYG Vol OUT = 930484
- Retained Vol = 190418

Unrouted Vol = 1 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA OUT

HYG Tag = 50

 Peak Discharge = 237.06 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 930484 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.36	3.46	6.20
11.2750	8.84	12.52	15.47	17.84	19.76
11.3375	21.33	22.64	23.76	24.91	25.85
11.4000	26.63	27.29	27.88	28.41	28.90
11.4625	29.35	29.79	30.21	30.63	31.05
11.5250	31.48	31.92	32.40	32.90	33.45
11.5875	34.05	34.72	35.47	36.30	37.23
11.6500	38.28	39.43	40.70	42.12	43.69
11.7125	45.61	47.65	49.77	52.01	54.37
11.7750	56.83	59.40	62.10	64.91	67.93
11.8375	71.24	74.54	77.86	81.19	84.57
11.9000	88.07	91.66	95.61	99.96	104.47
11.9625	109.33	114.70	120.45	127.03	134.38
12.0250	142.09	150.18	158.88	167.96	176.93
12.0875	185.78	194.70	203.13	210.88	217.96
12.1500	224.00	229.21	233.33	235.84	237.06
12.2125	237.03	235.54	232.99	229.52	225.15
12.2750	220.36	215.02	209.20	203.09	196.82
12.3375	190.45	184.26	178.20	172.27	166.46
12.4000	160.84	155.42	150.37	145.42	140.54
12.4625	135.72	131.00	126.37	121.87	117.67
12.5250	113.43	109.22	105.07	100.98	96.98
12.5875	93.12	89.60	86.10	82.67	79.31
12.6500	76.07	72.98	70.02	67.22	64.80
12.7125	62.49	60.28	58.17	56.17	54.31
12.7750	52.56	50.93	49.42	48.02	46.71
12.8375	45.50	44.37	43.32	42.46	41.61

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.9000	40.80	40.01	39.25	38.52	37.83
12.9625	37.16	36.52	35.91	35.32	34.75
13.0250	34.20	33.67	33.16	32.66	32.18
13.0875	31.72	31.27	30.83	30.42	30.01
13.1500	29.62	29.25	28.89	28.55	28.23
13.2125	27.92	27.63	27.35	27.09	26.84
13.2750	26.61	26.38	26.17	25.98	25.79
13.3375	25.61	25.44	25.27	25.11	24.96
13.4000	24.82	24.67	24.54	24.40	24.27
13.4625	24.14	24.02	23.90	23.78	23.66
13.5250	23.56	23.46	23.36	23.26	23.15
13.5875	23.05	22.94	22.84	22.73	22.62
13.6500	22.51	22.41	22.30	22.19	22.08
13.7125	21.98	21.87	21.76	21.66	21.55
13.7750	21.44	21.34	21.23	21.12	21.02
13.8375	20.91	20.81	20.70	20.60	20.49
13.9000	20.39	20.28	20.18	20.07	19.97
13.9625	19.86	19.76	19.65	19.55	19.44
14.0250	19.34	19.23	19.13	19.02	18.92
14.0875	18.82	18.72	18.62	18.52	18.42
14.1500	18.32	18.23	18.14	18.05	17.96
14.2125	17.87	17.79	17.71	17.63	17.55
14.2750	17.48	17.41	17.34	17.27	17.21
14.3375	17.14	17.08	17.01	16.95	16.89
14.4000	16.84	16.78	16.72	16.66	16.61
14.4625	16.55	16.50	16.45	16.39	16.34
14.5250	16.28	16.23	16.18	16.13	16.07
14.5875	16.02	15.97	15.92	15.87	15.81
14.6500	15.76	15.71	15.66	15.61	15.56
14.7125	15.51	15.46	15.41	15.35	15.30
14.7750	15.25	15.20	15.15	15.10	15.05
14.8375	15.00	14.95	14.90	14.85	14.80
14.9000	14.75	14.70	14.65	14.60	14.55
14.9625	14.50	14.44	14.39	14.34	14.29
15.0250	14.24	14.19	14.14	14.09	14.04
15.0875	13.99	13.94	13.89	13.84	13.79
15.1500	13.73	13.68	13.63	13.58	13.53
15.2125	13.48	13.43	13.38	13.33	13.28
15.2750	13.23	13.18	13.13	13.08	13.03
15.3375	12.98	12.93	12.88	12.82	12.77
15.4000	12.72	12.67	12.62	12.57	12.52
15.4625	12.47	12.42	12.37	12.32	12.27
15.5250	12.22	12.17	12.11	12.06	12.01
15.5875	11.96	11.91	11.86	11.81	11.76
15.6500	11.71	11.66	11.61	11.56	11.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
15.7125	11.45	11.40	11.35	11.30	11.25
15.7750	11.20	11.15	11.10	11.05	11.00
15.8375	10.95	10.90	10.85	10.80	10.75
15.9000	10.69	10.64	10.59	10.54	10.49
15.9625	10.44	10.39	10.34	10.29	10.24
16.0250	10.19	10.14	10.09	10.04	9.99
16.0875	9.94	9.89	9.84	9.80	9.75
16.1500	9.70	9.66	9.62	9.58	9.53
16.2125	9.49	9.45	9.42	9.38	9.34
16.2750	9.31	9.28	9.24	9.21	9.18
16.3375	9.15	9.12	9.09	9.06	9.04
16.4000	9.01	8.99	8.96	8.93	8.91
16.4625	8.88	8.86	8.83	8.81	8.79
16.5250	8.76	8.74	8.72	8.69	8.67
16.5875	8.65	8.62	8.60	8.58	8.56
16.6500	8.53	8.51	8.49	8.47	8.44
16.7125	8.42	8.40	8.38	8.36	8.34
16.7750	8.33	8.31	8.30	8.28	8.26
16.8375	8.24	8.23	8.21	8.19	8.17
16.9000	8.15	8.13	8.11	8.09	8.07
16.9625	8.04	8.02	8.00	7.98	7.96
17.0250	7.94	7.92	7.89	7.87	7.85
17.0875	7.83	7.81	7.79	7.76	7.74
17.1500	7.72	7.70	7.68	7.65	7.63
17.2125	7.61	7.59	7.57	7.54	7.52
17.2750	7.50	7.48	7.46	7.43	7.41
17.3375	7.39	7.37	7.34	7.32	7.30
17.4000	7.28	7.26	7.23	7.21	7.19
17.4625	7.17	7.15	7.12	7.10	7.08
17.5250	7.06	7.04	7.01	6.99	6.97
17.5875	6.95	6.93	6.90	6.88	6.86
17.6500	6.84	6.82	6.79	6.77	6.75
17.7125	6.73	6.70	6.68	6.66	6.64
17.7750	6.62	6.59	6.57	6.55	6.53
17.8375	6.51	6.48	6.46	6.44	6.42
17.9000	6.39	6.37	6.35	6.33	6.31
17.9625	6.28	6.26	6.24	6.22	6.20
18.0250	6.17	6.15	6.13	6.11	6.09
18.0875	6.06	6.04	6.02	6.00	5.98
18.1500	5.96	5.94	5.92	5.90	5.88
18.2125	5.86	5.84	5.83	5.81	5.80
18.2750	5.78	5.77	5.75	5.74	5.73
18.3375	5.72	5.70	5.69	5.68	5.67
18.4000	5.66	5.65	5.64	5.63	5.62
18.4625	5.61	5.61	5.60	5.59	5.58

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.5250	5.57	5.56	5.56	5.55	5.54
18.5875	5.53	5.53	5.52	5.51	5.50
18.6500	5.50	5.49	5.48	5.48	5.47
18.7125	5.46	5.46	5.45	5.44	5.44
18.7750	5.43	5.42	5.41	5.41	5.40
18.8375	5.39	5.39	5.38	5.37	5.37
18.9000	5.36	5.35	5.35	5.34	5.33
18.9625	5.33	5.32	5.31	5.31	5.30
19.0250	5.29	5.29	5.28	5.27	5.27
19.0875	5.26	5.26	5.25	5.24	5.24
19.1500	5.23	5.22	5.22	5.21	5.20
19.2125	5.19	5.19	5.18	5.18	5.17
19.2750	5.16	5.16	5.15	5.14	5.14
19.3375	5.13	5.12	5.12	5.11	5.10
19.4000	5.10	5.09	5.08	5.08	5.07
19.4625	5.06	5.06	5.05	5.04	5.04
19.5250	5.03	5.02	5.02	5.01	5.00
19.5875	5.00	4.99	4.98	4.98	4.97
19.6500	4.96	4.96	4.95	4.94	4.94
19.7125	4.93	4.92	4.92	4.91	4.90
19.7750	4.90	4.89	4.88	4.88	4.87
19.8375	4.86	4.86	4.85	4.84	4.84
19.9000	4.83	4.82	4.82	4.81	4.80
19.9625	4.80	4.79	4.78	4.78	4.77
20.0250	4.76	4.76	4.75	4.74	4.74
20.0875	4.73	4.72	4.72	4.71	4.70
20.1500	4.70	4.69	4.69	4.68	4.67
20.2125	4.67	4.66	4.65	4.65	4.64
20.2750	4.64	4.63	4.63	4.62	4.62
20.3375	4.61	4.61	4.60	4.60	4.59
20.4000	4.58	4.58	4.57	4.57	4.56
20.4625	4.56	4.55	4.55	4.54	4.54
20.5250	4.53	4.52	4.52	4.51	4.51
20.5875	4.50	4.50	4.49	4.49	4.48
20.6500	4.48	4.47	4.47	4.46	4.46
20.7125	4.45	4.45	4.44	4.44	4.43
20.7750	4.43	4.42	4.42	4.41	4.41
20.8375	4.40	4.40	4.39	4.39	4.38
20.9000	4.38	4.37	4.37	4.36	4.36
20.9625	4.35	4.35	4.34	4.34	4.33
21.0250	4.33	4.32	4.32	4.31	4.31
21.0875	4.30	4.30	4.30	4.29	4.29
21.1500	4.28	4.28	4.27	4.27	4.26
21.2125	4.26	4.25	4.25	4.24	4.24
21.2750	4.23	4.23	4.22	4.22	4.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.3375	4.21	4.20	4.20	4.19	4.19
21.4000	4.18	4.18	4.17	4.17	4.16
21.4625	4.16	4.15	4.15	4.14	4.14
21.5250	4.13	4.12	4.12	4.11	4.11
21.5875	4.10	4.10	4.09	4.09	4.08
21.6500	4.08	4.07	4.07	4.06	4.06
21.7125	4.05	4.05	4.04	4.04	4.03
21.7750	4.03	4.02	4.02	4.01	4.01
21.8375	4.00	4.00	3.99	3.99	3.99
21.9000	3.98	3.98	3.97	3.97	3.96
21.9625	3.96	3.95	3.95	3.94	3.94
22.0250	3.93	3.93	3.92	3.92	3.91
22.0875	3.91	3.90	3.90	3.89	3.89
22.1500	3.88	3.88	3.87	3.87	3.86
22.2125	3.86	3.85	3.85	3.84	3.84
22.2750	3.83	3.83	3.82	3.82	3.81
22.3375	3.81	3.80	3.80	3.79	3.78
22.4000	3.78	3.77	3.77	3.76	3.76
22.4625	3.75	3.75	3.74	3.74	3.73
22.5250	3.73	3.72	3.72	3.71	3.71
22.5875	3.70	3.70	3.69	3.69	3.69
22.6500	3.68	3.68	3.67	3.67	3.66
22.7125	3.66	3.65	3.65	3.64	3.64
22.7750	3.63	3.63	3.62	3.62	3.61
22.8375	3.61	3.60	3.60	3.59	3.59
22.9000	3.58	3.58	3.57	3.57	3.56
22.9625	3.56	3.55	3.55	3.54	3.54
23.0250	3.53	3.53	3.52	3.52	3.51
23.0875	3.51	3.50	3.50	3.49	3.49
23.1500	3.48	3.48	3.47	3.47	3.46
23.2125	3.45	3.45	3.44	3.44	3.43
23.2750	3.43	3.42	3.42	3.41	3.41
23.3375	3.40	3.40	3.39	3.39	3.39
23.4000	3.38	3.38	3.37	3.37	3.36
23.4625	3.36	3.35	3.35	3.34	3.34
23.5250	3.33	3.33	3.33	3.32	3.32
23.5875	3.31	3.31	3.30	3.30	3.29
23.6500	3.28	3.28	3.27	3.27	3.26
23.7125	3.26	3.25	3.25	3.24	3.24
23.7750	3.23	3.23	3.22	3.22	3.21
23.8375	3.21	3.20	3.20	3.19	3.19
23.9000	3.18	3.18	3.17	3.17	3.16
23.9625	3.16	3.15	3.15	3.14	3.13
24.0250	3.12	3.11	3.10	3.08	3.05
24.0875	3.02	2.98	2.92	2.86	2.79

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.1500	2.71	2.62	2.52	2.41	2.30
24.2125	2.18	2.06	1.94	1.82	1.70
24.2750	1.58	1.47	1.36	1.26	1.16
24.3375	1.07	.98	.90	.83	.76
24.4000	.69	.63	.58	.53	.48
24.4625	.44	.40	.36	.33	.30
24.5250	.27	.24	.22	.20	.18
24.5875	.16	.15	.13	.12	.11
24.6500	.10	.09	.08	.07	.06
24.7125	.06	.05	.04	.04	.04
24.7750	.03	.03	.02	.02	.02
24.8375	.02	.01	.01	.01	.01
24.9000	.01	.01	.01	.01	.00
24.9625	.00	.00	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN AA IN 100
Outflow HYG file = work_pad.hyg - WQBASIN AA OUT 100

Pond Node Data = WQBASIN AA
Pond Volume Data = WQBASIN AA
Pond Outlet Data = WQB AA Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 330.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 257.33 cfs at 12.1750 hrs
Peak Outflow = 255.36 cfs at 12.2000 hrs

Peak Elevation = 339.98 ft
Peak Storage = 218054 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 1212357
- Infiltration = 0
- HYG Vol OUT = 1021935
- Retained Vol = 190418

Unrouted Vol = -4 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN AA OUT

HYG Tag = 100

 Peak Discharge = 255.36 cfs
 Time to Peak = 12.2000 hrs
 HYG Volume = 1021935 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	Output	Output	Output	Output	Output
2.3750	.00	.00	.00	.00	.00
2.4375	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.5625	.00	.00	.00	.00	.00
2.6250	.00	.00	.00	.00	.00
2.6875	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
2.8125	.00	.00	.00	.00	.00
2.8750	.00	.00	.00	.00	.00
2.9375	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.0625	.00	.00	.00	.00	.00
3.1250	.00	.00	.00	.00	.00
3.1875	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.3125	.00	.00	.00	.00	.00
3.3750	.00	.00	.00	.00	.00
3.4375	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.5625	.00	.00	.00	.00	.00
3.6250	.00	.00	.00	.00	.00
3.6875	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
3.8125	.00	.00	.00	.00	.00
3.8750	.00	.00	.00	.00	.00
3.9375	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.0625	.00	.00	.00	.00	.00
4.1250	.00	.00	.00	.00	.00
4.1875	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.3125	.00	.00	.00	.00	.00
4.3750	.00	.00	.00	.00	.00
4.4375	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.5625	.00	.00	.00	.00	.00
4.6250	.00	.00	.00	.00	.00
4.6875	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
4.8125	.00	.00	.00	.00	.00
4.8750	.00	.00	.00	.00	.00
4.9375	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.0625	.00	.00	.00	.00	.00
5.1250	.00	.00	.00	.00	.00
5.1875	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.3125	.00	.00	.00	.00	.00
5.3750	.00	.00	.00	.00	.00
5.4375	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.5625	.00	.00	.00	.00	.00
5.6250	.00	.00	.00	.00	.00
5.6875	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
5.8125	.00	.00	.00	.00	.00
5.8750	.00	.00	.00	.00	.00
5.9375	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.0625	.00	.00	.00	.00	.00
6.1250	.00	.00	.00	.00	.00
6.1875	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.3125	.00	.00	.00	.00	.00
6.3750	.00	.00	.00	.00	.00
6.4375	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.5625	.00	.00	.00	.00	.00
6.6250	.00	.00	.00	.00	.00
6.6875	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
6.8125	.00	.00	.00	.00	.00
6.8750	.00	.00	.00	.00	.00
6.9375	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.0625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.1250	.00	.00	.00	.00	.00
7.1875	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.3125	.00	.00	.00	.00	.00
7.3750	.00	.00	.00	.00	.00
7.4375	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00
7.5625	.00	.00	.00	.00	.00
7.6250	.00	.00	.00	.00	.00
7.6875	.00	.00	.00	.00	.00
7.7500	.00	.00	.00	.00	.00
7.8125	.00	.00	.00	.00	.00
7.8750	.00	.00	.00	.00	.00
7.9375	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.0625	.00	.00	.00	.00	.00
8.1250	.00	.00	.00	.00	.00
8.1875	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.3125	.00	.00	.00	.00	.00
8.3750	.00	.00	.00	.00	.00
8.4375	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.5625	.00	.00	.00	.00	.00
8.6250	.00	.00	.00	.00	.00
8.6875	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
8.8125	.00	.00	.00	.00	.00
8.8750	.00	.00	.00	.00	.00
8.9375	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.0625	.00	.00	.00	.00	.00
9.1250	.00	.00	.00	.00	.00
9.1875	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.3125	.00	.00	.00	.00	.00
9.3750	.00	.00	.00	.00	.00
9.4375	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.5625	.00	.00	.00	.00	.00
9.6250	.00	.00	.00	.00	.00
9.6875	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
9.8125	.00	.00	.00	.00	.00
9.8750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

9.9375	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.0625	.00	.00	.00	.00	.00
10.1250	.00	.00	.00	.00	.00
10.1875	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.3125	.00	.00	.00	.00	.00
10.3750	.00	.00	.00	.00	.00
10.4375	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.5625	.00	.00	.00	.00	.00
10.6250	.00	.00	.00	.00	.00
10.6875	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
10.8125	.00	.00	.00	.00	.00
10.8750	.00	.00	.00	.00	.00
10.9375	.00	.00	.00	.00	.00
11.0000	.00	2.34	4.99	7.31	10.09
11.0625	13.04	15.38	17.23	18.71	19.90
11.1250	20.86	21.66	22.33	22.89	23.39
11.1875	23.87	24.35	24.78	25.16	25.52
11.2500	25.87	26.21	26.54	26.88	27.21
11.3125	27.56	27.90	28.26	28.62	28.99
11.3750	29.36	29.73	30.11	30.50	30.89
11.4375	31.28	31.68	32.08	32.49	32.89
11.5000	33.31	33.74	34.18	34.65	35.15
11.5625	35.68	36.28	36.92	37.63	38.44
11.6250	39.34	40.34	41.48	42.71	44.19
11.6875	45.92	47.73	49.67	51.78	54.02
11.7500	56.39	58.91	61.54	64.31	67.26
11.8125	70.58	73.93	77.34	80.80	84.31
11.8750	87.86	91.48	95.38	99.49	103.73
11.9375	108.25	113.01	118.18	124.01	130.54
12.0000	137.58	145.32	153.50	162.54	171.94
12.0625	181.48	191.09	200.91	210.38	219.23
12.1250	227.51	235.31	241.84	247.27	251.52
12.1875	254.12	255.36	255.28	253.64	250.86
12.2500	247.11	242.36	236.99	231.09	224.74
12.3125	218.33	211.67	204.86	197.99	191.27
12.3750	184.97	178.86	172.89	167.10	161.45
12.4375	155.95	150.80	145.75	140.75	135.81
12.5000	130.94	126.16	121.53	117.16	112.80
12.5625	108.46	104.19	100.04	95.97	92.13
12.6250	88.59	85.07	81.65	78.37	75.21
12.6875	72.21	69.40	66.74	64.49	62.32

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.7500	60.23	58.27	56.42	54.69	53.08
12.8125	51.58	50.17	48.88	47.66	46.53
12.8750	45.47	44.48	43.54	42.75	42.00
12.9375	41.27	40.55	39.86	39.19	38.54
13.0000	37.92	37.31	36.73	36.16	35.61
13.0625	35.08	34.57	34.07	33.59	33.12
13.1250	32.67	32.24	31.82	31.42	31.03
13.1875	30.67	30.32	29.99	29.67	29.38
13.2500	29.10	28.83	28.58	28.34	28.11
13.3125	27.90	27.70	27.50	27.32	27.14
13.3750	26.97	26.81	26.65	26.50	26.35
13.4375	26.21	26.07	25.93	25.80	25.67
13.5000	25.54	25.41	25.28	25.16	25.03
13.5625	24.91	24.79	24.67	24.55	24.43
13.6250	24.32	24.20	24.08	23.96	23.85
13.6875	23.73	23.61	23.52	23.42	23.32
13.7500	23.22	23.11	23.00	22.90	22.79
13.8125	22.67	22.56	22.45	22.34	22.23
13.8750	22.11	22.00	21.89	21.78	21.67
13.9375	21.55	21.44	21.33	21.21	21.10
14.0000	20.99	20.88	20.76	20.65	20.54
14.0625	20.43	20.32	20.21	20.10	19.99
14.1250	19.88	19.78	19.68	19.57	19.47
14.1875	19.38	19.28	19.19	19.10	19.02
14.2500	18.93	18.85	18.77	18.69	18.62
14.3125	18.55	18.47	18.40	18.34	18.27
14.3750	18.20	18.14	18.08	18.02	17.95
14.4375	17.89	17.83	17.77	17.72	17.66
14.5000	17.60	17.54	17.49	17.43	17.37
14.5625	17.31	17.26	17.20	17.15	17.09
14.6250	17.03	16.98	16.92	16.87	16.81
14.6875	16.76	16.70	16.65	16.59	16.54
14.7500	16.49	16.43	16.38	16.32	16.27
14.8125	16.21	16.16	16.10	16.05	16.00
14.8750	15.94	15.89	15.83	15.78	15.73
14.9375	15.67	15.62	15.56	15.51	15.45
15.0000	15.40	15.35	15.29	15.24	15.18
15.0625	15.13	15.07	15.02	14.96	14.91
15.1250	14.85	14.80	14.75	14.69	14.64
15.1875	14.58	14.53	14.47	14.42	14.36
15.2500	14.31	14.26	14.20	14.15	14.09
15.3125	14.04	13.99	13.93	13.88	13.82
15.3750	13.77	13.71	13.66	13.61	13.55
15.4375	13.50	13.44	13.39	13.33	13.28
15.5000	13.22	13.17	13.11	13.06	13.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5625	12.95	12.90	12.84	12.79	12.73
15.6250	12.68	12.62	12.57	12.51	12.46
15.6875	12.41	12.35	12.30	12.24	12.19
15.7500	12.13	12.08	12.03	11.97	11.92
15.8125	11.86	11.81	11.75	11.70	11.64
15.8750	11.59	11.54	11.48	11.43	11.37
15.9375	11.32	11.26	11.21	11.15	11.10
16.0000	11.04	10.99	10.93	10.88	10.83
16.0625	10.77	10.72	10.67	10.62	10.56
16.1250	10.51	10.47	10.42	10.37	10.32
16.1875	10.28	10.23	10.19	10.15	10.11
16.2500	10.07	10.03	9.99	9.96	9.92
16.3125	9.89	9.85	9.82	9.79	9.76
16.3750	9.73	9.70	9.67	9.64	9.62
16.4375	9.59	9.56	9.54	9.51	9.48
16.5000	9.46	9.43	9.41	9.38	9.36
16.5625	9.33	9.31	9.28	9.26	9.23
16.6250	9.21	9.19	9.16	9.14	9.11
16.6875	9.09	9.06	9.04	9.02	8.99
16.7500	8.97	8.95	8.92	8.90	8.87
16.8125	8.85	8.83	8.80	8.78	8.75
16.8750	8.73	8.71	8.68	8.66	8.64
16.9375	8.61	8.59	8.56	8.54	8.52
17.0000	8.49	8.47	8.45	8.42	8.40
17.0625	8.38	8.35	8.34	8.32	8.31
17.1250	8.29	8.27	8.25	8.23	8.21
17.1875	8.19	8.17	8.15	8.13	8.11
17.2500	8.09	8.06	8.04	8.02	8.00
17.3125	7.97	7.95	7.93	7.90	7.88
17.3750	7.86	7.83	7.81	7.79	7.76
17.4375	7.74	7.72	7.69	7.67	7.65
17.5000	7.62	7.60	7.57	7.55	7.53
17.5625	7.50	7.48	7.46	7.43	7.41
17.6250	7.39	7.36	7.34	7.31	7.29
17.6875	7.27	7.24	7.22	7.20	7.17
17.7500	7.15	7.12	7.10	7.08	7.05
17.8125	7.03	7.01	6.98	6.96	6.93
17.8750	6.91	6.89	6.86	6.84	6.82
17.9375	6.79	6.77	6.74	6.72	6.70
18.0000	6.67	6.65	6.63	6.60	6.58
18.0625	6.56	6.53	6.51	6.48	6.46
18.1250	6.44	6.42	6.39	6.37	6.35
18.1875	6.33	6.31	6.29	6.27	6.26
18.2500	6.24	6.22	6.21	6.19	6.18
18.3125	6.16	6.15	6.13	6.12	6.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.3750	6.10	6.09	6.08	6.06	6.05
18.4375	6.04	6.03	6.03	6.02	6.01
18.5000	6.00	5.99	5.98	5.97	5.96
18.5625	5.96	5.95	5.94	5.93	5.92
18.6250	5.92	5.91	5.90	5.89	5.89
18.6875	5.88	5.87	5.86	5.86	5.85
18.7500	5.84	5.83	5.83	5.82	5.81
18.8125	5.80	5.80	5.79	5.78	5.78
18.8750	5.77	5.76	5.75	5.75	5.74
18.9375	5.73	5.73	5.72	5.71	5.70
19.0000	5.70	5.69	5.68	5.68	5.67
19.0625	5.66	5.65	5.65	5.64	5.63
19.1250	5.63	5.62	5.61	5.60	5.60
19.1875	5.59	5.58	5.58	5.57	5.56
19.2500	5.55	5.55	5.54	5.53	5.53
19.3125	5.52	5.51	5.50	5.50	5.49
19.3750	5.48	5.48	5.47	5.46	5.45
19.4375	5.45	5.44	5.43	5.43	5.42
19.5000	5.41	5.41	5.40	5.39	5.38
19.5625	5.38	5.37	5.36	5.36	5.35
19.6250	5.34	5.33	5.33	5.32	5.31
19.6875	5.31	5.30	5.29	5.28	5.28
19.7500	5.27	5.26	5.26	5.25	5.24
19.8125	5.23	5.23	5.22	5.21	5.21
19.8750	5.20	5.19	5.18	5.18	5.17
19.9375	5.16	5.16	5.15	5.14	5.13
20.0000	5.13	5.12	5.11	5.11	5.10
20.0625	5.09	5.08	5.08	5.07	5.06
20.1250	5.06	5.05	5.04	5.03	5.03
20.1875	5.02	5.01	5.01	5.00	5.00
20.2500	4.99	4.98	4.98	4.97	4.97
20.3125	4.96	4.95	4.95	4.94	4.94
20.3750	4.93	4.93	4.92	4.91	4.91
20.4375	4.90	4.90	4.89	4.88	4.88
20.5000	4.87	4.87	4.86	4.86	4.85
20.5625	4.85	4.84	4.83	4.83	4.82
20.6250	4.82	4.81	4.81	4.80	4.80
20.6875	4.79	4.79	4.78	4.77	4.77
20.7500	4.76	4.76	4.75	4.75	4.74
20.8125	4.73	4.73	4.72	4.72	4.71
20.8750	4.71	4.70	4.70	4.69	4.69
20.9375	4.68	4.67	4.67	4.66	4.66
21.0000	4.65	4.65	4.64	4.64	4.63
21.0625	4.63	4.62	4.62	4.61	4.61
21.1250	4.61	4.60	4.60	4.59	4.58

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.1875	4.58	4.57	4.57	4.56	4.56
21.2500	4.55	4.55	4.54	4.54	4.53
21.3125	4.52	4.52	4.51	4.51	4.50
21.3750	4.50	4.49	4.49	4.48	4.48
21.4375	4.47	4.46	4.46	4.45	4.45
21.5000	4.44	4.44	4.43	4.43	4.42
21.5625	4.41	4.41	4.40	4.40	4.39
21.6250	4.39	4.38	4.38	4.37	4.36
21.6875	4.36	4.35	4.35	4.34	4.34
21.7500	4.33	4.33	4.32	4.32	4.31
21.8125	4.31	4.30	4.30	4.29	4.29
21.8750	4.28	4.28	4.27	4.27	4.26
21.9375	4.26	4.25	4.25	4.24	4.24
22.0000	4.23	4.23	4.22	4.22	4.21
22.0625	4.20	4.20	4.19	4.19	4.18
22.1250	4.18	4.17	4.17	4.16	4.15
22.1875	4.15	4.14	4.14	4.13	4.13
22.2500	4.12	4.12	4.11	4.11	4.10
22.3125	4.10	4.09	4.08	4.08	4.07
22.3750	4.07	4.06	4.05	4.05	4.04
22.4375	4.04	4.03	4.03	4.02	4.02
22.5000	4.01	4.01	4.00	4.00	3.99
22.5625	3.99	3.98	3.97	3.97	3.96
22.6250	3.96	3.95	3.95	3.94	3.94
22.6875	3.94	3.93	3.93	3.92	3.92
22.7500	3.91	3.91	3.90	3.90	3.89
22.8125	3.88	3.88	3.87	3.87	3.86
22.8750	3.86	3.85	3.84	3.84	3.83
22.9375	3.83	3.82	3.82	3.81	3.81
23.0000	3.80	3.80	3.79	3.79	3.78
23.0625	3.78	3.77	3.76	3.76	3.75
23.1250	3.75	3.74	3.74	3.73	3.72
23.1875	3.72	3.71	3.71	3.70	3.70
23.2500	3.69	3.68	3.68	3.67	3.67
23.3125	3.66	3.66	3.65	3.65	3.64
23.3750	3.64	3.63	3.63	3.62	3.62
23.4375	3.61	3.61	3.60	3.60	3.59
23.5000	3.59	3.58	3.58	3.57	3.57
23.5625	3.56	3.56	3.55	3.55	3.54
23.6250	3.54	3.53	3.52	3.52	3.51
23.6875	3.51	3.50	3.50	3.49	3.49
23.7500	3.48	3.47	3.47	3.46	3.46
23.8125	3.45	3.45	3.44	3.44	3.43
23.8750	3.43	3.42	3.42	3.41	3.41
23.9375	3.40	3.39	3.39	3.38	3.38

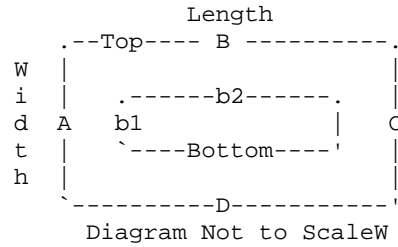
HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
24.0000	3.37	3.36	3.35	3.34	3.32
24.0625	3.30	3.27	3.24	3.19	3.14
24.1250	3.07	2.99	2.91	2.81	2.70
24.1875	2.59	2.47	2.34	2.21	2.08
24.2500	1.95	1.82	1.70	1.58	1.46
24.3125	1.35	1.25	1.15	1.06	.97
24.3750	.89	.81	.74	.68	.62
24.4375	.57	.52	.47	.43	.39
24.5000	.35	.32	.29	.26	.24
24.5625	.21	.19	.17	.16	.14
24.6250	.13	.11	.10	.09	.08
24.6875	.07	.07	.06	.05	.05
24.7500	.04	.04	.03	.03	.03
24.8125	.02	.02	.02	.02	.01
24.8750	.01	.01	.01	.01	.01
24.9375	.01	.01	.00	.00	.00
25.0000	.00	.00			

POND VOLUME CALCULATION FOR TRAPEZOIDAL BASIN



Top Elev. = 10.00 ft
 Top Length = 100.00 ft (A to C)
 Top Width = 85.00 ft (B to D)

Bottom Elev. = .00 ft
 Bottom Length = 100.00 ft
 Bottom Width = 85.00 ft

Width Offset = .00 ft (B to b2)
 Length Offset = .00 ft (A to b1)

Vertical Incr.= .20 ft

Computed Side Slopes:
 Side A: .000:1 (horizontal : vertical)
 Side B: .000:1 " "
 Side C: .000:1 " "
 Side D: .000:1 " "

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
.00	-----	8500	0	0	0
.20	-----	8500	25500	1700	1700
.40	-----	8500	25500	1700	3400
.60	-----	8500	25500	1700	5100
.80	-----	8500	25500	1700	6800
1.00	-----	8500	25500	1700	8500
1.20	-----	8500	25500	1700	10200
1.40	-----	8500	25500	1700	11900
1.60	-----	8500	25500	1700	13600
1.80	-----	8500	25500	1700	15300
2.00	-----	8500	25500	1700	17000
2.20	-----	8500	25500	1700	18700
2.40	-----	8500	25500	1700	20400

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	$A1+A2+\text{sqr}(A1*A2)$ (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
2.60	-----	8500	25500	1700	22100
2.80	-----	8500	25500	1700	23800
3.00	-----	8500	25500	1700	25500
3.20	-----	8500	25500	1700	27200
3.40	-----	8500	25500	1700	28900
3.60	-----	8500	25500	1700	30600
3.80	-----	8500	25500	1700	32300
4.00	-----	8500	25500	1700	34000
4.20	-----	8500	25500	1700	35700
4.40	-----	8500	25500	1700	37400
4.60	-----	8500	25500	1700	39100
4.80	-----	8500	25500	1700	40800
5.00	-----	8500	25500	1700	42500
5.20	-----	8500	25500	1700	44200
5.40	-----	8500	25500	1700	45900
5.60	-----	8500	25500	1700	47600
5.80	-----	8500	25500	1700	49300
6.00	-----	8500	25500	1700	51000
6.20	-----	8500	25500	1700	52700
6.40	-----	8500	25500	1700	54400
6.60	-----	8500	25500	1700	56100
6.80	-----	8500	25500	1700	57800
7.00	-----	8500	25500	1700	59500
7.20	-----	8500	25500	1700	61200
7.40	-----	8500	25500	1700	62900
7.60	-----	8500	25500	1700	64600
7.80	-----	8500	25500	1700	66300
8.00	-----	8500	25500	1700	68000
8.20	-----	8500	25500	1700	69700
8.40	-----	8500	25500	1700	71400
8.60	-----	8500	25500	1700	73100
8.80	-----	8500	25500	1700	74800
9.00	-----	8500	25500	1700	76500
9.20	-----	8500	25500	1700	78200
9.40	-----	8500	25500	1700	79900
9.60	-----	8500	25500	1700	81600
10.00	-----	8500	25500	3400	85000

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Area1} + \text{Area2} + \text{sq.rt.}(\text{Area1}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Area1,Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-3 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-3        D.A. CC-3        work_pad.hyg  D.A. CC-3     2
=====

```

INFLOWS TO: WQBASIN CC-3 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg D.A. CC-3        2            109106      12.1375     26.55

```

TOTAL FLOW INTO: WQBASIN CC-3 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg WQBASIN CC-3 IN  2            109106      12.1375     26.55

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 IN

HYG Tag = 2

 Peak Discharge = 26.55 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 109106 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.01
3.7125	.01	.01	.01	.01	.01
3.7750	.01	.01	.01	.01	.01
3.8375	.01	.01	.01	.02	.02
3.9000	.02	.02	.02	.02	.02
3.9625	.02	.02	.02	.02	.02
4.0250	.03	.03	.03	.03	.03
4.0875	.03	.03	.03	.03	.03
4.1500	.03	.03	.04	.04	.04
4.2125	.04	.04	.04	.04	.04
4.2750	.04	.04	.04	.04	.05
4.3375	.05	.05	.05	.05	.05
4.4000	.05	.05	.05	.05	.05
4.4625	.05	.06	.06	.06	.06
4.5250	.06	.06	.06	.06	.06
4.5875	.06	.06	.07	.07	.07
4.6500	.07	.07	.07	.07	.07
4.7125	.07	.07	.07	.07	.08
4.7750	.08	.08	.08	.08	.08
4.8375	.08	.08	.08	.08	.08
4.9000	.09	.09	.09	.09	.09
4.9625	.09	.09	.09	.09	.09
5.0250	.09	.10	.10	.10	.10
5.0875	.10	.10	.10	.10	.10
5.1500	.10	.10	.11	.11	.11
5.2125	.11	.11	.11	.11	.11
5.2750	.11	.11	.11	.12	.12
5.3375	.12	.12	.12	.12	.12
5.4000	.12	.12	.12	.13	.13
5.4625	.13	.13	.13	.13	.13

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.5250	.13	.13	.13	.13	.14
5.5875	.14	.14	.14	.14	.14
5.6500	.14	.14	.14	.14	.14
5.7125	.15	.15	.15	.15	.15
5.7750	.15	.15	.15	.15	.15
5.8375	.16	.16	.16	.16	.16
5.9000	.16	.16	.16	.16	.16
5.9625	.17	.17	.17	.17	.17
6.0250	.17	.17	.17	.17	.17
6.0875	.18	.18	.18	.18	.18
6.1500	.18	.18	.18	.19	.19
6.2125	.19	.19	.19	.19	.19
6.2750	.20	.20	.20	.20	.20
6.3375	.20	.20	.21	.21	.21
6.4000	.21	.21	.21	.22	.22
6.4625	.22	.22	.22	.22	.23
6.5250	.23	.23	.23	.23	.23
6.5875	.24	.24	.24	.24	.24
6.6500	.24	.25	.25	.25	.25
6.7125	.25	.26	.26	.26	.26
6.7750	.26	.26	.27	.27	.27
6.8375	.27	.27	.28	.28	.28
6.9000	.28	.28	.28	.29	.29
6.9625	.29	.29	.29	.30	.30
7.0250	.30	.30	.30	.31	.31
7.0875	.31	.31	.31	.32	.32
7.1500	.32	.32	.32	.33	.33
7.2125	.33	.33	.33	.34	.34
7.2750	.34	.34	.34	.35	.35
7.3375	.35	.35	.35	.36	.36
7.4000	.36	.36	.36	.37	.37
7.4625	.37	.37	.37	.38	.38
7.5250	.38	.38	.39	.39	.39
7.5875	.39	.39	.40	.40	.40
7.6500	.40	.41	.41	.41	.41
7.7125	.41	.42	.42	.42	.42
7.7750	.43	.43	.43	.43	.43
7.8375	.44	.44	.44	.44	.45
7.9000	.45	.45	.45	.46	.46
7.9625	.46	.46	.46	.47	.47
8.0250	.47	.47	.48	.48	.48
8.0875	.48	.49	.49	.49	.50
8.1500	.50	.50	.51	.51	.51
8.2125	.52	.52	.53	.53	.53
8.2750	.54	.54	.55	.55	.55

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.3375	.56	.56	.57	.57	.57
8.4000	.58	.58	.59	.59	.59
8.4625	.60	.60	.61	.61	.62
8.5250	.62	.63	.63	.63	.64
8.5875	.64	.65	.65	.66	.66
8.6500	.67	.67	.67	.68	.68
8.7125	.69	.69	.70	.70	.71
8.7750	.71	.72	.72	.73	.73
8.8375	.73	.74	.74	.75	.75
8.9000	.76	.76	.77	.77	.78
8.9625	.78	.79	.79	.80	.80
9.0250	.81	.81	.82	.82	.83
9.0875	.83	.84	.84	.85	.85
9.1500	.86	.86	.87	.87	.88
9.2125	.88	.89	.89	.90	.90
9.2750	.91	.91	.92	.92	.93
9.3375	.93	.94	.94	.95	.96
9.4000	.96	.97	.97	.98	.98
9.4625	.99	.99	1.00	1.00	1.01
9.5250	1.01	1.02	1.02	1.03	1.04
9.5875	1.04	1.05	1.05	1.06	1.06
9.6500	1.07	1.07	1.08	1.08	1.09
9.7125	1.10	1.10	1.11	1.11	1.12
9.7750	1.12	1.13	1.13	1.14	1.15
9.8375	1.15	1.16	1.16	1.17	1.17
9.9000	1.18	1.18	1.19	1.20	1.20
9.9625	1.21	1.21	1.22	1.22	1.23
10.0250	1.24	1.24	1.25	1.25	1.26
10.0875	1.27	1.28	1.28	1.29	1.30
10.1500	1.31	1.31	1.32	1.33	1.34
10.2125	1.35	1.36	1.37	1.38	1.39
10.2750	1.40	1.41	1.42	1.43	1.44
10.3375	1.45	1.46	1.47	1.48	1.49
10.4000	1.50	1.51	1.52	1.53	1.54
10.4625	1.55	1.56	1.57	1.58	1.59
10.5250	1.60	1.61	1.62	1.64	1.65
10.5875	1.66	1.67	1.68	1.69	1.70
10.6500	1.71	1.72	1.73	1.74	1.75
10.7125	1.77	1.78	1.79	1.80	1.81
10.7750	1.82	1.83	1.84	1.85	1.86
10.8375	1.87	1.89	1.90	1.91	1.92
10.9000	1.93	1.94	1.95	1.96	1.98
10.9625	1.99	2.00	2.01	2.02	2.03
11.0250	2.05	2.06	2.07	2.09	2.11
11.0875	2.13	2.15	2.17	2.19	2.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.1500	2.24	2.26	2.29	2.32	2.35
11.2125	2.39	2.42	2.45	2.49	2.52
11.2750	2.56	2.59	2.63	2.67	2.70
11.3375	2.74	2.78	2.81	2.85	2.89
11.4000	2.93	2.97	3.01	3.04	3.08
11.4625	3.12	3.16	3.20	3.25	3.29
11.5250	3.35	3.41	3.49	3.59	3.71
11.5875	3.83	3.97	4.12	4.29	4.47
11.6500	4.69	4.92	5.18	5.44	5.73
11.7125	6.02	6.32	6.63	6.95	7.29
11.7750	7.64	7.99	8.34	8.69	9.04
11.8375	9.40	9.77	10.14	10.53	10.92
11.9000	11.31	11.77	12.27	12.91	13.61
11.9625	14.57	15.59	16.79	18.01	19.24
12.0250	20.47	21.59	22.68	23.62	24.49
12.0875	25.19	25.79	26.20	26.48	26.55
12.1500	26.41	26.02	25.42	24.64	23.74
12.2125	22.78	21.79	20.79	19.83	18.88
12.2750	18.06	17.25	16.57	15.91	15.33
12.3375	14.75	14.22	13.69	13.19	12.70
12.4000	12.23	11.78	11.35	10.92	10.50
12.4625	10.07	9.64	9.22	8.81	8.42
12.5250	8.04	7.68	7.32	6.99	6.66
12.5875	6.35	6.06	5.80	5.55	5.33
12.6500	5.12	4.94	4.77	4.63	4.50
12.7125	4.39	4.29	4.20	4.12	4.04
12.7750	3.97	3.90	3.84	3.78	3.73
12.8375	3.68	3.62	3.57	3.53	3.48
12.9000	3.43	3.39	3.34	3.30	3.26
12.9625	3.21	3.17	3.13	3.09	3.05
13.0250	3.01	2.97	2.93	2.90	2.86
13.0875	2.83	2.80	2.77	2.74	2.71
13.1500	2.69	2.67	2.65	2.63	2.61
13.2125	2.59	2.58	2.56	2.55	2.53
13.2750	2.52	2.51	2.49	2.48	2.47
13.3375	2.46	2.45	2.44	2.42	2.41
13.4000	2.40	2.39	2.38	2.37	2.36
13.4625	2.35	2.34	2.33	2.32	2.30
13.5250	2.29	2.28	2.27	2.26	2.25
13.5875	2.24	2.23	2.22	2.21	2.20
13.6500	2.19	2.18	2.17	2.16	2.15
13.7125	2.13	2.12	2.11	2.10	2.09
13.7750	2.08	2.07	2.06	2.05	2.04
13.8375	2.03	2.02	2.01	2.00	1.99
13.9000	1.97	1.96	1.95	1.94	1.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9625	1.92	1.91	1.90	1.89	1.88
14.0250	1.87	1.86	1.85	1.84	1.83
14.0875	1.82	1.81	1.80	1.79	1.79
14.1500	1.78	1.77	1.76	1.76	1.75
14.2125	1.74	1.74	1.73	1.73	1.72
14.2750	1.72	1.71	1.70	1.70	1.69
14.3375	1.69	1.68	1.68	1.67	1.67
14.4000	1.66	1.66	1.65	1.65	1.64
14.4625	1.64	1.63	1.63	1.62	1.62
14.5250	1.61	1.61	1.60	1.59	1.59
14.5875	1.58	1.58	1.57	1.57	1.56
14.6500	1.56	1.55	1.55	1.54	1.54
14.7125	1.53	1.53	1.52	1.52	1.51
14.7750	1.51	1.50	1.50	1.49	1.49
14.8375	1.48	1.48	1.47	1.47	1.46
14.9000	1.46	1.45	1.45	1.44	1.44
14.9625	1.43	1.43	1.42	1.42	1.41
15.0250	1.41	1.40	1.40	1.39	1.38
15.0875	1.38	1.37	1.37	1.36	1.36
15.1500	1.35	1.35	1.34	1.34	1.33
15.2125	1.33	1.32	1.32	1.31	1.31
15.2750	1.30	1.30	1.29	1.29	1.28
15.3375	1.28	1.27	1.27	1.26	1.25
15.4000	1.25	1.24	1.24	1.23	1.23
15.4625	1.22	1.22	1.21	1.21	1.20
15.5250	1.20	1.19	1.19	1.18	1.18
15.5875	1.17	1.17	1.16	1.16	1.15
15.6500	1.15	1.14	1.14	1.13	1.13
15.7125	1.12	1.12	1.11	1.11	1.10
15.7750	1.09	1.09	1.08	1.08	1.07
15.8375	1.07	1.06	1.06	1.05	1.05
15.9000	1.04	1.04	1.03	1.03	1.02
15.9625	1.02	1.01	1.01	1.00	1.00
16.0250	.99	.99	.98	.98	.97
16.0875	.97	.96	.96	.96	.95
16.1500	.95	.95	.94	.94	.94
16.2125	.93	.93	.93	.92	.92
16.2750	.92	.92	.91	.91	.91
16.3375	.91	.91	.90	.90	.90
16.4000	.90	.89	.89	.89	.89
16.4625	.88	.88	.88	.88	.88
16.5250	.87	.87	.87	.87	.86
16.5875	.86	.86	.86	.86	.85
16.6500	.85	.85	.85	.84	.84
16.7125	.84	.84	.84	.83	.83

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7750	.83	.83	.82	.82	.82
16.8375	.82	.81	.81	.81	.81
16.9000	.81	.80	.80	.80	.80
16.9625	.80	.79	.79	.79	.79
17.0250	.78	.78	.78	.78	.77
17.0875	.77	.77	.77	.77	.76
17.1500	.76	.76	.76	.75	.75
17.2125	.75	.75	.74	.74	.74
17.2750	.74	.74	.73	.73	.73
17.3375	.73	.73	.72	.72	.72
17.4000	.72	.71	.71	.71	.71
17.4625	.70	.70	.70	.70	.70
17.5250	.69	.69	.69	.69	.68
17.5875	.68	.68	.68	.67	.67
17.6500	.67	.67	.67	.66	.66
17.7125	.66	.66	.66	.65	.65
17.7750	.65	.65	.64	.64	.64
17.8375	.64	.63	.63	.63	.63
17.9000	.63	.62	.62	.62	.62
17.9625	.61	.61	.61	.61	.60
18.0250	.60	.60	.60	.60	.59
18.0875	.59	.59	.59	.59	.59
18.1500	.58	.58	.58	.58	.58
18.2125	.58	.58	.58	.58	.58
18.2750	.57	.57	.57	.57	.57
18.3375	.57	.57	.57	.57	.57
18.4000	.57	.57	.57	.57	.56
18.4625	.56	.56	.56	.56	.56
18.5250	.56	.56	.56	.56	.56
18.5875	.56	.56	.56	.56	.55
18.6500	.55	.55	.55	.55	.55
18.7125	.55	.55	.55	.55	.55
18.7750	.55	.55	.55	.55	.54
18.8375	.54	.54	.54	.54	.54
18.9000	.54	.54	.54	.54	.54
18.9625	.54	.54	.54	.53	.53
19.0250	.53	.53	.53	.53	.53
19.0875	.53	.53	.53	.53	.53
19.1500	.53	.53	.53	.52	.52
19.2125	.52	.52	.52	.52	.52
19.2750	.52	.52	.52	.52	.52
19.3375	.52	.52	.52	.51	.51
19.4000	.51	.51	.51	.51	.51
19.4625	.51	.51	.51	.51	.51
19.5250	.51	.51	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.5875	.50	.50	.50	.50	.50
19.6500	.50	.50	.50	.50	.50
19.7125	.50	.50	.49	.49	.49
19.7750	.49	.49	.49	.49	.49
19.8375	.49	.49	.49	.49	.49
19.9000	.49	.49	.48	.48	.48
19.9625	.48	.48	.48	.48	.48
20.0250	.48	.48	.48	.48	.48
20.0875	.48	.48	.47	.47	.47
20.1500	.47	.47	.47	.47	.47
20.2125	.47	.47	.47	.47	.47
20.2750	.47	.47	.47	.47	.47
20.3375	.47	.46	.46	.46	.46
20.4000	.46	.46	.46	.46	.46
20.4625	.46	.46	.46	.46	.46
20.5250	.46	.46	.46	.46	.46
20.5875	.46	.45	.45	.45	.45
20.6500	.45	.45	.45	.45	.45
20.7125	.45	.45	.45	.45	.45
20.7750	.45	.45	.45	.45	.45
20.8375	.44	.44	.44	.44	.44
20.9000	.44	.44	.44	.44	.44
20.9625	.44	.44	.44	.44	.44
21.0250	.44	.44	.44	.44	.44
21.0875	.44	.43	.43	.43	.43
21.1500	.43	.43	.43	.43	.43
21.2125	.43	.43	.43	.43	.43
21.2750	.43	.43	.43	.43	.43
21.3375	.42	.42	.42	.42	.42
21.4000	.42	.42	.42	.42	.42
21.4625	.42	.42	.42	.42	.42
21.5250	.42	.42	.41	.41	.41
21.5875	.41	.41	.41	.41	.41
21.6500	.41	.41	.41	.41	.41
21.7125	.41	.41	.41	.41	.41
21.7750	.41	.41	.41	.41	.41
21.8375	.40	.40	.40	.40	.40
21.9000	.40	.40	.40	.40	.40
21.9625	.40	.40	.40	.40	.40
22.0250	.40	.40	.40	.39	.39
22.0875	.39	.39	.39	.39	.39
22.1500	.39	.39	.39	.39	.39
22.2125	.39	.39	.39	.39	.39
22.2750	.39	.39	.38	.38	.38
22.3375	.38	.38	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4000	.38	.38	.38	.38	.38
22.4625	.38	.38	.38	.38	.38
22.5250	.38	.38	.37	.37	.37
22.5875	.37	.37	.37	.37	.37
22.6500	.37	.37	.37	.37	.37
22.7125	.37	.37	.37	.37	.37
22.7750	.37	.37	.36	.36	.36
22.8375	.36	.36	.36	.36	.36
22.9000	.36	.36	.36	.36	.36
22.9625	.36	.36	.36	.36	.36
23.0250	.36	.36	.35	.35	.35
23.0875	.35	.35	.35	.35	.35
23.1500	.35	.35	.35	.35	.35
23.2125	.35	.35	.35	.35	.35
23.2750	.35	.34	.34	.34	.34
23.3375	.34	.34	.34	.34	.34
23.4000	.34	.34	.34	.34	.34
23.4625	.34	.34	.34	.34	.34
23.5250	.34	.34	.33	.33	.33
23.5875	.33	.33	.33	.33	.33
23.6500	.33	.33	.33	.33	.33
23.7125	.33	.33	.33	.33	.33
23.7750	.33	.32	.32	.32	.32
23.8375	.32	.32	.32	.32	.32
23.9000	.32	.32	.32	.32	.32
23.9625	.32	.32	.32	.32	.31
24.0250	.31	.30	.29	.28	.26
24.0875	.23	.21	.19	.16	.14
24.1500	.12	.10	.08	.07	.06
24.2125	.05	.04	.04	.03	.03
24.2750	.02	.02	.02	.01	.01
24.3375	.01	.01	.01	.01	.00
24.4000	.00	.00	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-3 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-3       D.A. CC-3      work_pad.hyg  D.A. CC-3     10
=====

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INFLOWS TO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg D.A. CC-3     10           184760      12.1375     43.61

```

TOTAL FLOW INTO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg WQBASIN CC-3 IN  10           184760      12.1375     43.61

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 IN

HYG Tag = 10

 Peak Discharge = 43.61 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 184760 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.01	.01	.01
2.5250	.01	.01	.01	.01	.01
2.5875	.02	.02	.02	.02	.02
2.6500	.02	.02	.02	.03	.03
2.7125	.03	.03	.03	.03	.03
2.7750	.04	.04	.04	.04	.04
2.8375	.04	.05	.05	.05	.05
2.9000	.05	.05	.05	.06	.06
2.9625	.06	.06	.06	.06	.06
3.0250	.07	.07	.07	.07	.07
3.0875	.07	.07	.08	.08	.08
3.1500	.08	.08	.08	.09	.09
3.2125	.09	.09	.09	.09	.09
3.2750	.10	.10	.10	.10	.10
3.3375	.10	.11	.11	.11	.11
3.4000	.11	.11	.11	.12	.12
3.4625	.12	.12	.12	.12	.13
3.5250	.13	.13	.13	.13	.13
3.5875	.14	.14	.14	.14	.14
3.6500	.14	.14	.15	.15	.15
3.7125	.15	.15	.15	.16	.16
3.7750	.16	.16	.16	.16	.17
3.8375	.17	.17	.17	.17	.17
3.9000	.17	.18	.18	.18	.18
3.9625	.18	.18	.19	.19	.19
4.0250	.19	.19	.19	.20	.20
4.0875	.20	.20	.20	.20	.21
4.1500	.21	.21	.21	.21	.21
4.2125	.22	.22	.22	.22	.22
4.2750	.22	.23	.23	.23	.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.3375	.23	.23	.24	.24	.24
4.4000	.24	.24	.24	.25	.25
4.4625	.25	.25	.25	.25	.26
4.5250	.26	.26	.26	.26	.26
4.5875	.27	.27	.27	.27	.27
4.6500	.27	.27	.28	.28	.28
4.7125	.28	.28	.29	.29	.29
4.7750	.29	.29	.29	.30	.30
4.8375	.30	.30	.30	.30	.31
4.9000	.31	.31	.31	.31	.31
4.9625	.32	.32	.32	.32	.32
5.0250	.32	.33	.33	.33	.33
5.0875	.33	.33	.34	.34	.34
5.1500	.34	.34	.34	.35	.35
5.2125	.35	.35	.35	.35	.36
5.2750	.36	.36	.36	.36	.36
5.3375	.37	.37	.37	.37	.37
5.4000	.37	.38	.38	.38	.38
5.4625	.38	.38	.39	.39	.39
5.5250	.39	.39	.39	.40	.40
5.5875	.40	.40	.40	.40	.41
5.6500	.41	.41	.41	.41	.41
5.7125	.42	.42	.42	.42	.42
5.7750	.42	.43	.43	.43	.43
5.8375	.43	.43	.44	.44	.44
5.9000	.44	.44	.45	.45	.45
5.9625	.45	.45	.45	.46	.46
6.0250	.46	.46	.46	.46	.47
6.0875	.47	.47	.47	.48	.48
6.1500	.48	.48	.49	.49	.49
6.2125	.49	.50	.50	.50	.50
6.2750	.51	.51	.51	.52	.52
6.3375	.52	.53	.53	.53	.54
6.4000	.54	.54	.54	.55	.55
6.4625	.55	.56	.56	.56	.57
6.5250	.57	.57	.58	.58	.58
6.5875	.59	.59	.59	.60	.60
6.6500	.60	.61	.61	.61	.62
6.7125	.62	.62	.63	.63	.63
6.7750	.64	.64	.64	.65	.65
6.8375	.65	.66	.66	.66	.67
6.9000	.67	.67	.68	.68	.69
6.9625	.69	.69	.70	.70	.70
7.0250	.71	.71	.71	.72	.72
7.0875	.72	.73	.73	.74	.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.1500	.74	.75	.75	.75	.76
7.2125	.76	.76	.77	.77	.77
7.2750	.78	.78	.79	.79	.79
7.3375	.80	.80	.81	.81	.81
7.4000	.82	.82	.82	.83	.83
7.4625	.83	.84	.84	.85	.85
7.5250	.85	.86	.86	.87	.87
7.5875	.87	.88	.88	.88	.89
7.6500	.89	.90	.90	.90	.91
7.7125	.91	.92	.92	.92	.93
7.7750	.93	.93	.94	.94	.95
7.8375	.95	.95	.96	.96	.97
7.9000	.97	.97	.98	.98	.99
7.9625	.99	.99	1.00	1.00	1.01
8.0250	1.01	1.01	1.02	1.02	1.03
8.0875	1.03	1.04	1.04	1.05	1.05
8.1500	1.06	1.07	1.07	1.08	1.09
8.2125	1.09	1.10	1.11	1.11	1.12
8.2750	1.13	1.13	1.14	1.15	1.16
8.3375	1.16	1.17	1.18	1.19	1.19
8.4000	1.20	1.21	1.22	1.22	1.23
8.4625	1.24	1.25	1.26	1.26	1.27
8.5250	1.28	1.29	1.29	1.30	1.31
8.5875	1.32	1.33	1.33	1.34	1.35
8.6500	1.36	1.37	1.37	1.38	1.39
8.7125	1.40	1.41	1.41	1.42	1.43
8.7750	1.44	1.45	1.45	1.46	1.47
8.8375	1.48	1.49	1.50	1.50	1.51
8.9000	1.52	1.53	1.54	1.55	1.55
8.9625	1.56	1.57	1.58	1.59	1.60
9.0250	1.60	1.61	1.62	1.63	1.64
9.0875	1.65	1.65	1.66	1.67	1.68
9.1500	1.69	1.70	1.71	1.71	1.72
9.2125	1.73	1.74	1.75	1.76	1.76
9.2750	1.77	1.78	1.79	1.80	1.81
9.3375	1.82	1.83	1.83	1.84	1.85
9.4000	1.86	1.87	1.88	1.89	1.89
9.4625	1.90	1.91	1.92	1.93	1.94
9.5250	1.95	1.96	1.97	1.97	1.98
9.5875	1.99	2.00	2.01	2.02	2.03
9.6500	2.04	2.04	2.05	2.06	2.07
9.7125	2.08	2.09	2.10	2.11	2.12
9.7750	2.13	2.14	2.14	2.15	2.16
9.8375	2.17	2.18	2.19	2.20	2.21
9.9000	2.22	2.22	2.23	2.24	2.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9625	2.26	2.27	2.28	2.29	2.30
10.0250	2.31	2.32	2.33	2.34	2.35
10.0875	2.36	2.37	2.38	2.39	2.41
10.1500	2.42	2.43	2.45	2.46	2.48
10.2125	2.49	2.51	2.52	2.54	2.56
10.2750	2.57	2.59	2.61	2.62	2.64
10.3375	2.66	2.67	2.69	2.71	2.73
10.4000	2.74	2.76	2.78	2.79	2.81
10.4625	2.83	2.85	2.86	2.88	2.90
10.5250	2.92	2.93	2.95	2.97	2.99
10.5875	3.00	3.02	3.04	3.06	3.07
10.6500	3.09	3.11	3.13	3.14	3.16
10.7125	3.18	3.20	3.21	3.23	3.25
10.7750	3.27	3.29	3.30	3.32	3.34
10.8375	3.36	3.37	3.39	3.41	3.43
10.9000	3.45	3.47	3.48	3.50	3.52
10.9625	3.54	3.56	3.57	3.59	3.61
11.0250	3.63	3.65	3.68	3.70	3.73
11.0875	3.76	3.80	3.83	3.87	3.90
11.1500	3.95	3.99	4.04	4.09	4.15
11.2125	4.20	4.25	4.31	4.37	4.43
11.2750	4.49	4.55	4.61	4.67	4.73
11.3375	4.79	4.85	4.92	4.98	5.05
11.4000	5.11	5.17	5.24	5.30	5.36
11.4625	5.43	5.50	5.56	5.63	5.71
11.5250	5.80	5.91	6.05	6.22	6.41
11.5875	6.62	6.86	7.11	7.40	7.70
11.6500	8.07	8.45	8.89	9.34	9.82
11.7125	10.31	10.81	11.33	11.88	12.43
11.7750	13.02	13.60	14.18	14.76	15.34
11.8375	15.93	16.54	17.15	17.78	18.42
11.9000	19.07	19.82	20.62	21.68	22.82
11.9625	24.39	26.05	28.01	30.00	32.01
12.0250	34.00	35.82	37.58	39.07	40.47
12.0875	41.56	42.51	43.13	43.54	43.61
12.1500	43.33	42.66	41.64	40.32	38.83
12.2125	37.22	35.58	33.93	32.34	30.77
12.2750	29.41	28.08	26.96	25.86	24.91
12.3375	23.96	23.08	22.21	21.39	20.58
12.4000	19.83	19.09	18.38	17.68	16.99
12.4625	16.29	15.60	14.92	14.25	13.61
12.5250	12.99	12.41	11.83	11.29	10.75
12.5875	10.26	9.78	9.36	8.95	8.60
12.6500	8.26	7.97	7.69	7.47	7.26
12.7125	7.08	6.92	6.77	6.64	6.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7750	6.40	6.29	6.19	6.09	6.01
12.8375	5.92	5.84	5.76	5.68	5.60
12.9000	5.53	5.45	5.38	5.31	5.24
12.9625	5.17	5.10	5.04	4.97	4.90
13.0250	4.84	4.78	4.72	4.66	4.61
13.0875	4.55	4.50	4.45	4.41	4.37
13.1500	4.33	4.29	4.25	4.22	4.19
13.2125	4.17	4.14	4.12	4.10	4.07
13.2750	4.05	4.03	4.01	3.99	3.97
13.3375	3.95	3.93	3.91	3.90	3.88
13.4000	3.86	3.84	3.82	3.81	3.79
13.4625	3.77	3.75	3.74	3.72	3.70
13.5250	3.69	3.67	3.65	3.63	3.62
13.5875	3.60	3.58	3.56	3.55	3.53
13.6500	3.51	3.50	3.48	3.46	3.44
13.7125	3.43	3.41	3.39	3.38	3.36
13.7750	3.34	3.32	3.31	3.29	3.27
13.8375	3.26	3.24	3.22	3.20	3.19
13.9000	3.17	3.15	3.13	3.12	3.10
13.9625	3.08	3.06	3.05	3.03	3.01
14.0250	3.00	2.98	2.96	2.95	2.93
14.0875	2.92	2.90	2.89	2.88	2.86
14.1500	2.85	2.84	2.83	2.82	2.81
14.2125	2.80	2.79	2.78	2.77	2.76
14.2750	2.75	2.74	2.73	2.72	2.71
14.3375	2.71	2.70	2.69	2.68	2.67
14.4000	2.66	2.66	2.65	2.64	2.63
14.4625	2.62	2.61	2.61	2.60	2.59
14.5250	2.58	2.57	2.56	2.56	2.55
14.5875	2.54	2.53	2.52	2.51	2.51
14.6500	2.50	2.49	2.48	2.47	2.46
14.7125	2.46	2.45	2.44	2.43	2.42
14.7750	2.41	2.41	2.40	2.39	2.38
14.8375	2.37	2.37	2.36	2.35	2.34
14.9000	2.33	2.32	2.32	2.31	2.30
14.9625	2.29	2.28	2.27	2.27	2.26
15.0250	2.25	2.24	2.23	2.23	2.22
15.0875	2.21	2.20	2.19	2.18	2.17
15.1500	2.17	2.16	2.15	2.14	2.13
15.2125	2.13	2.12	2.11	2.10	2.09
15.2750	2.08	2.08	2.07	2.06	2.05
15.3375	2.04	2.03	2.03	2.02	2.01
15.4000	2.00	1.99	1.98	1.98	1.97
15.4625	1.96	1.95	1.94	1.93	1.93
15.5250	1.92	1.91	1.90	1.89	1.88

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5875	1.88	1.87	1.86	1.85	1.84
15.6500	1.84	1.83	1.82	1.81	1.80
15.7125	1.79	1.78	1.78	1.77	1.76
15.7750	1.75	1.74	1.73	1.73	1.72
15.8375	1.71	1.70	1.69	1.69	1.68
15.9000	1.67	1.66	1.65	1.64	1.64
15.9625	1.63	1.62	1.61	1.60	1.59
16.0250	1.59	1.58	1.57	1.56	1.56
16.0875	1.55	1.54	1.54	1.53	1.52
16.1500	1.52	1.51	1.51	1.50	1.50
16.2125	1.49	1.49	1.48	1.48	1.47
16.2750	1.47	1.47	1.46	1.46	1.46
16.3375	1.45	1.45	1.44	1.44	1.44
16.4000	1.43	1.43	1.43	1.42	1.42
16.4625	1.41	1.41	1.41	1.40	1.40
16.5250	1.40	1.39	1.39	1.39	1.38
16.5875	1.38	1.37	1.37	1.37	1.36
16.6500	1.36	1.36	1.35	1.35	1.35
16.7125	1.34	1.34	1.34	1.33	1.33
16.7750	1.33	1.32	1.32	1.31	1.31
16.8375	1.31	1.30	1.30	1.29	1.29
16.9000	1.29	1.28	1.28	1.28	1.27
16.9625	1.27	1.27	1.26	1.26	1.26
17.0250	1.25	1.25	1.24	1.24	1.24
17.0875	1.23	1.23	1.23	1.22	1.22
17.1500	1.22	1.21	1.21	1.21	1.20
17.2125	1.20	1.19	1.19	1.19	1.18
17.2750	1.18	1.18	1.17	1.17	1.17
17.3375	1.16	1.16	1.16	1.15	1.15
17.4000	1.14	1.14	1.14	1.13	1.13
17.4625	1.12	1.12	1.12	1.11	1.11
17.5250	1.11	1.10	1.10	1.10	1.09
17.5875	1.09	1.09	1.08	1.08	1.07
17.6500	1.07	1.07	1.06	1.06	1.06
17.7125	1.05	1.05	1.05	1.04	1.04
17.7750	1.04	1.03	1.03	1.02	1.02
17.8375	1.02	1.01	1.01	1.01	1.00
17.9000	1.00	1.00	.99	.99	.99
17.9625	.98	.98	.97	.97	.97
18.0250	.96	.96	.96	.95	.95
18.0875	.95	.94	.94	.94	.94
18.1500	.93	.93	.93	.93	.93
18.2125	.92	.92	.92	.92	.92
18.2750	.92	.92	.92	.91	.91
18.3375	.91	.91	.91	.91	.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4000	.91	.91	.90	.90	.90
18.4625	.90	.90	.90	.90	.90
18.5250	.90	.89	.89	.89	.89
18.5875	.89	.89	.89	.89	.89
18.6500	.88	.88	.88	.88	.88
18.7125	.88	.88	.88	.88	.87
18.7750	.87	.87	.87	.87	.87
18.8375	.87	.87	.87	.87	.86
18.9000	.86	.86	.86	.86	.86
18.9625	.86	.86	.85	.85	.85
19.0250	.85	.85	.85	.85	.85
19.0875	.85	.85	.84	.84	.84
19.1500	.84	.84	.84	.84	.84
19.2125	.84	.83	.83	.83	.83
19.2750	.83	.83	.83	.83	.83
19.3375	.82	.82	.82	.82	.82
19.4000	.82	.82	.82	.82	.82
19.4625	.81	.81	.81	.81	.81
19.5250	.81	.81	.81	.80	.80
19.5875	.80	.80	.80	.80	.80
19.6500	.80	.80	.80	.79	.79
19.7125	.79	.79	.79	.79	.79
19.7750	.79	.79	.78	.78	.78
19.8375	.78	.78	.78	.78	.78
19.9000	.78	.77	.77	.77	.77
19.9625	.77	.77	.77	.77	.77
20.0250	.77	.76	.76	.76	.76
20.0875	.76	.76	.76	.76	.76
20.1500	.75	.75	.75	.75	.75
20.2125	.75	.75	.75	.75	.75
20.2750	.75	.75	.75	.74	.74
20.3375	.74	.74	.74	.74	.74
20.4000	.74	.74	.74	.74	.73
20.4625	.73	.73	.73	.73	.73
20.5250	.73	.73	.73	.73	.73
20.5875	.73	.73	.72	.72	.72
20.6500	.72	.72	.72	.72	.72
20.7125	.72	.72	.71	.71	.71
20.7750	.71	.71	.71	.71	.71
20.8375	.71	.71	.71	.71	.71
20.9000	.71	.70	.70	.70	.70
20.9625	.70	.70	.70	.70	.70
21.0250	.70	.70	.70	.70	.70
21.0875	.69	.69	.69	.69	.69
21.1500	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2125	.68	.68	.68	.68	.68
21.2750	.68	.68	.68	.68	.68
21.3375	.68	.68	.68	.67	.67
21.4000	.67	.67	.67	.67	.67
21.4625	.67	.67	.67	.67	.66
21.5250	.66	.66	.66	.66	.66
21.5875	.66	.66	.66	.66	.66
21.6500	.66	.66	.66	.65	.65
21.7125	.65	.65	.65	.65	.65
21.7750	.65	.65	.65	.65	.65
21.8375	.65	.65	.64	.64	.64
21.9000	.64	.64	.64	.64	.64
21.9625	.64	.64	.63	.63	.63
22.0250	.63	.63	.63	.63	.63
22.0875	.63	.63	.63	.63	.63
22.1500	.62	.62	.62	.62	.62
22.2125	.62	.62	.62	.62	.62
22.2750	.62	.61	.61	.61	.61
22.3375	.61	.61	.61	.61	.61
22.4000	.61	.61	.61	.61	.60
22.4625	.60	.60	.60	.60	.60
22.5250	.60	.60	.60	.60	.60
22.5875	.60	.60	.59	.59	.59
22.6500	.59	.59	.59	.59	.59
22.7125	.59	.59	.59	.59	.58
22.7750	.58	.58	.58	.58	.58
22.8375	.58	.58	.58	.58	.58
22.9000	.58	.57	.57	.57	.57
22.9625	.57	.57	.57	.57	.57
23.0250	.57	.57	.57	.56	.56
23.0875	.56	.56	.56	.56	.56
23.1500	.56	.56	.56	.56	.55
23.2125	.55	.55	.55	.55	.55
23.2750	.55	.55	.55	.55	.55
23.3375	.55	.55	.54	.54	.54
23.4000	.54	.54	.54	.54	.54
23.4625	.54	.54	.54	.54	.54
23.5250	.54	.53	.53	.53	.53
23.5875	.53	.53	.53	.53	.53
23.6500	.53	.53	.52	.52	.52
23.7125	.52	.52	.52	.52	.52
23.7750	.52	.52	.52	.52	.52
23.8375	.51	.51	.51	.51	.51
23.9000	.51	.51	.51	.51	.50
23.9625	.50	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0250	.49	.48	.47	.44	.41
24.0875	.37	.34	.30	.26	.22
24.1500	.19	.16	.13	.11	.09
24.2125	.08	.07	.06	.05	.04
24.2750	.03	.03	.02	.02	.02
24.3375	.01	.01	.01	.01	.01
24.4000	.01	.00	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-3 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-3        D.A. CC-3      work_pad.hyg  D.A. CC-3     25
=====

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INFLOWS TO: WQBASIN CC-3 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. CC-3     25           222865      12.1375     52.06

```

TOTAL FLOW INTO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  WQBASIN CC-3 IN  25           222865      12.1375     52.06

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 IN

HYG Tag = 25

 Peak Discharge = 52.06 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 222865 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
2.0500	.00	.00	.00	.00	.00
2.1125	.00	.01	.01	.01	.01
2.1750	.01	.01	.01	.02	.02
2.2375	.02	.02	.02	.02	.03
2.3000	.03	.03	.03	.03	.03
2.3625	.04	.04	.04	.04	.04
2.4250	.05	.05	.05	.05	.05
2.4875	.05	.06	.06	.06	.06
2.5500	.06	.07	.07	.07	.07
2.6125	.07	.08	.08	.08	.08
2.6750	.08	.08	.09	.09	.09
2.7375	.09	.09	.10	.10	.10
2.8000	.10	.10	.11	.11	.11
2.8625	.11	.11	.11	.12	.12
2.9250	.12	.12	.12	.13	.13
2.9875	.13	.13	.13	.14	.14
3.0500	.14	.14	.14	.15	.15
3.1125	.15	.15	.15	.16	.16
3.1750	.16	.16	.16	.17	.17
3.2375	.17	.17	.17	.17	.18
3.3000	.18	.18	.18	.18	.19
3.3625	.19	.19	.19	.19	.20
3.4250	.20	.20	.20	.20	.21
3.4875	.21	.21	.21	.21	.22
3.5500	.22	.22	.22	.22	.23
3.6125	.23	.23	.23	.23	.24
3.6750	.24	.24	.24	.24	.25
3.7375	.25	.25	.25	.25	.26
3.8000	.26	.26	.26	.26	.27
3.8625	.27	.27	.27	.27	.28
3.9250	.28	.28	.28	.28	.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.9875	.29	.29	.29	.29	.30
4.0500	.30	.30	.30	.30	.31
4.1125	.31	.31	.31	.32	.32
4.1750	.32	.32	.32	.33	.33
4.2375	.33	.33	.33	.34	.34
4.3000	.34	.34	.34	.35	.35
4.3625	.35	.35	.35	.36	.36
4.4250	.36	.36	.36	.37	.37
4.4875	.37	.37	.37	.38	.38
4.5500	.38	.38	.38	.39	.39
4.6125	.39	.39	.39	.40	.40
4.6750	.40	.40	.40	.41	.41
4.7375	.41	.41	.41	.42	.42
4.8000	.42	.42	.42	.43	.43
4.8625	.43	.43	.44	.44	.44
4.9250	.44	.44	.45	.45	.45
4.9875	.45	.45	.46	.46	.46
5.0500	.46	.46	.47	.47	.47
5.1125	.47	.47	.48	.48	.48
5.1750	.48	.48	.49	.49	.49
5.2375	.49	.49	.50	.50	.50
5.3000	.50	.50	.51	.51	.51
5.3625	.51	.51	.52	.52	.52
5.4250	.52	.52	.53	.53	.53
5.4875	.53	.53	.54	.54	.54
5.5500	.54	.55	.55	.55	.55
5.6125	.55	.56	.56	.56	.56
5.6750	.56	.57	.57	.57	.57
5.7375	.57	.58	.58	.58	.58
5.8000	.58	.59	.59	.59	.59
5.8625	.59	.60	.60	.60	.60
5.9250	.60	.61	.61	.61	.61
5.9875	.61	.62	.62	.62	.62
6.0500	.62	.63	.63	.63	.63
6.1125	.64	.64	.64	.65	.65
6.1750	.65	.66	.66	.66	.67
6.2375	.67	.67	.68	.68	.68
6.3000	.69	.69	.70	.70	.70
6.3625	.71	.71	.71	.72	.72
6.4250	.73	.73	.73	.74	.74
6.4875	.75	.75	.75	.76	.76
6.5500	.77	.77	.77	.78	.78
6.6125	.79	.79	.79	.80	.80
6.6750	.81	.81	.82	.82	.82
6.7375	.83	.83	.84	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.8000	.85	.85	.86	.86	.87
6.8625	.87	.87	.88	.88	.89
6.9250	.89	.90	.90	.90	.91
6.9875	.91	.92	.92	.93	.93
7.0500	.93	.94	.94	.95	.95
7.1125	.96	.96	.97	.97	.97
7.1750	.98	.98	.99	.99	1.00
7.2375	1.00	1.00	1.01	1.01	1.02
7.3000	1.02	1.03	1.03	1.04	1.04
7.3625	1.05	1.05	1.05	1.06	1.06
7.4250	1.07	1.07	1.08	1.08	1.09
7.4875	1.09	1.10	1.10	1.10	1.11
7.5500	1.11	1.12	1.12	1.13	1.13
7.6125	1.14	1.14	1.15	1.15	1.15
7.6750	1.16	1.16	1.17	1.17	1.18
7.7375	1.18	1.19	1.19	1.20	1.20
7.8000	1.21	1.21	1.22	1.22	1.22
7.8625	1.23	1.23	1.24	1.24	1.25
7.9250	1.25	1.26	1.26	1.27	1.27
7.9875	1.28	1.28	1.29	1.29	1.30
8.0500	1.30	1.31	1.31	1.32	1.33
8.1125	1.33	1.34	1.35	1.35	1.36
8.1750	1.37	1.38	1.38	1.39	1.40
8.2375	1.41	1.42	1.43	1.43	1.44
8.3000	1.45	1.46	1.47	1.48	1.49
8.3625	1.50	1.51	1.52	1.53	1.53
8.4250	1.54	1.55	1.56	1.57	1.58
8.4875	1.59	1.60	1.61	1.62	1.63
8.5500	1.64	1.65	1.66	1.67	1.68
8.6125	1.69	1.70	1.71	1.71	1.72
8.6750	1.73	1.74	1.75	1.76	1.77
8.7375	1.78	1.79	1.80	1.81	1.82
8.8000	1.83	1.84	1.85	1.86	1.87
8.8625	1.88	1.89	1.90	1.91	1.92
8.9250	1.93	1.94	1.95	1.96	1.97
8.9875	1.98	1.99	2.00	2.01	2.02
9.0500	2.03	2.04	2.05	2.06	2.07
9.1125	2.08	2.09	2.10	2.11	2.12
9.1750	2.13	2.14	2.15	2.16	2.17
9.2375	2.18	2.19	2.20	2.21	2.22
9.3000	2.23	2.25	2.26	2.27	2.28
9.3625	2.29	2.30	2.31	2.32	2.33
9.4250	2.34	2.35	2.36	2.37	2.38
9.4875	2.39	2.40	2.41	2.42	2.43
9.5500	2.44	2.45	2.46	2.47	2.48

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.6125	2.49	2.50	2.51	2.53	2.54
9.6750	2.55	2.56	2.57	2.58	2.59
9.7375	2.60	2.61	2.62	2.63	2.64
9.8000	2.65	2.66	2.67	2.68	2.69
9.8625	2.71	2.72	2.73	2.74	2.75
9.9250	2.76	2.77	2.78	2.79	2.80
9.9875	2.81	2.82	2.83	2.85	2.86
10.0500	2.87	2.88	2.89	2.91	2.92
10.1125	2.94	2.95	2.96	2.98	3.00
10.1750	3.01	3.03	3.05	3.07	3.09
10.2375	3.10	3.12	3.14	3.16	3.18
10.3000	3.20	3.22	3.24	3.26	3.28
10.3625	3.30	3.33	3.35	3.37	3.39
10.4250	3.41	3.43	3.45	3.47	3.49
10.4875	3.51	3.53	3.55	3.57	3.59
10.5500	3.61	3.63	3.66	3.68	3.70
10.6125	3.72	3.74	3.76	3.78	3.80
10.6750	3.82	3.84	3.87	3.89	3.91
10.7375	3.93	3.95	3.97	3.99	4.01
10.8000	4.03	4.05	4.08	4.10	4.12
10.8625	4.14	4.16	4.18	4.20	4.22
10.9250	4.25	4.27	4.29	4.31	4.33
10.9875	4.35	4.38	4.40	4.42	4.45
11.0500	4.48	4.51	4.54	4.58	4.62
11.1125	4.66	4.70	4.75	4.80	4.85
11.1750	4.91	4.97	5.04	5.10	5.16
11.2375	5.23	5.30	5.37	5.45	5.52
11.3000	5.59	5.66	5.74	5.81	5.88
11.3625	5.96	6.04	6.12	6.19	6.27
11.4250	6.34	6.42	6.49	6.57	6.65
11.4875	6.73	6.82	6.91	7.02	7.15
11.5500	7.31	7.52	7.75	8.00	8.29
11.6125	8.59	8.94	9.30	9.74	10.20
11.6750	10.73	11.27	11.85	12.43	13.04
11.7375	13.65	14.31	14.98	15.68	16.38
11.8000	17.07	17.77	18.46	19.17	19.88
11.8625	20.62	21.37	22.13	22.90	23.79
11.9250	24.75	26.01	27.38	29.25	31.22
11.9875	33.56	35.93	38.32	40.69	42.85
12.0500	44.95	46.72	48.38	49.66	50.78
12.1125	51.51	51.98	52.06	51.71	50.89
12.1750	49.66	48.09	46.30	44.37	42.41
12.2375	40.43	38.54	36.66	35.03	33.44
12.3000	32.11	30.79	29.66	28.53	27.48
12.3625	26.44	25.45	24.49	23.59	22.71

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.4250	21.87	21.03	20.21	19.38	18.55
12.4875	17.74	16.95	16.19	15.45	14.75
12.5500	14.07	13.42	12.78	12.20	11.62
12.6125	11.13	10.64	10.22	9.82	9.47
12.6750	9.14	8.88	8.63	8.42	8.22
12.7375	8.05	7.89	7.74	7.60	7.47
12.8000	7.35	7.24	7.14	7.03	6.94
12.8625	6.84	6.75	6.65	6.57	6.48
12.9250	6.40	6.31	6.23	6.15	6.06
12.9875	5.98	5.90	5.83	5.75	5.68
13.0500	5.61	5.54	5.47	5.41	5.35
13.1125	5.29	5.24	5.19	5.14	5.09
13.1750	5.05	5.02	4.98	4.95	4.92
13.2375	4.89	4.86	4.84	4.81	4.79
13.3000	4.76	4.74	4.72	4.69	4.67
13.3625	4.65	4.63	4.60	4.58	4.56
13.4250	4.54	4.52	4.50	4.48	4.46
13.4875	4.44	4.42	4.40	4.38	4.36
13.5500	4.34	4.31	4.29	4.27	4.25
13.6125	4.23	4.21	4.19	4.17	4.15
13.6750	4.13	4.11	4.09	4.07	4.05
13.7375	4.03	4.01	3.99	3.97	3.95
13.8000	3.93	3.91	3.89	3.87	3.85
13.8625	3.82	3.80	3.78	3.76	3.74
13.9250	3.72	3.70	3.68	3.66	3.64
13.9875	3.62	3.60	3.58	3.56	3.54
14.0500	3.52	3.50	3.48	3.46	3.45
14.1125	3.43	3.41	3.40	3.38	3.37
14.1750	3.36	3.34	3.33	3.32	3.31
14.2375	3.30	3.29	3.28	3.26	3.25
14.3000	3.24	3.23	3.22	3.21	3.20
14.3625	3.19	3.18	3.17	3.16	3.15
14.4250	3.14	3.13	3.12	3.11	3.10
14.4875	3.09	3.08	3.07	3.06	3.05
14.5500	3.04	3.03	3.02	3.01	3.00
14.6125	2.99	2.98	2.97	2.96	2.95
14.6750	2.94	2.93	2.92	2.91	2.91
14.7375	2.90	2.89	2.88	2.87	2.86
14.8000	2.85	2.84	2.83	2.82	2.81
14.8625	2.80	2.79	2.78	2.77	2.76
14.9250	2.75	2.74	2.73	2.72	2.71
14.9875	2.70	2.69	2.68	2.67	2.66
15.0500	2.65	2.64	2.63	2.62	2.61
15.1125	2.60	2.59	2.58	2.57	2.56
15.1750	2.55	2.54	2.53	2.52	2.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2375	2.50	2.49	2.48	2.47	2.46
15.3000	2.45	2.44	2.43	2.42	2.41
15.3625	2.40	2.39	2.38	2.37	2.36
15.4250	2.35	2.34	2.34	2.33	2.32
15.4875	2.30	2.29	2.29	2.28	2.27
15.5500	2.26	2.25	2.24	2.23	2.22
15.6125	2.21	2.20	2.19	2.18	2.17
15.6750	2.16	2.15	2.14	2.13	2.12
15.7375	2.11	2.10	2.09	2.08	2.07
15.8000	2.06	2.05	2.04	2.03	2.02
15.8625	2.01	2.00	1.99	1.98	1.97
15.9250	1.96	1.95	1.94	1.93	1.92
15.9875	1.91	1.90	1.89	1.88	1.87
16.0500	1.86	1.86	1.85	1.84	1.83
16.1125	1.82	1.82	1.81	1.80	1.79
16.1750	1.79	1.78	1.78	1.77	1.76
16.2375	1.76	1.75	1.75	1.74	1.74
16.3000	1.74	1.73	1.73	1.72	1.72
16.3625	1.71	1.71	1.70	1.70	1.70
16.4250	1.69	1.69	1.68	1.68	1.67
16.4875	1.67	1.66	1.66	1.66	1.65
16.5500	1.65	1.64	1.64	1.64	1.63
16.6125	1.63	1.62	1.62	1.61	1.61
16.6750	1.60	1.60	1.60	1.59	1.59
16.7375	1.58	1.58	1.58	1.57	1.57
16.8000	1.56	1.56	1.55	1.55	1.54
16.8625	1.54	1.54	1.53	1.53	1.52
16.9250	1.52	1.52	1.51	1.51	1.50
16.9875	1.50	1.49	1.49	1.48	1.48
17.0500	1.48	1.47	1.47	1.46	1.46
17.1125	1.46	1.45	1.45	1.44	1.44
17.1750	1.43	1.43	1.43	1.42	1.42
17.2375	1.41	1.41	1.40	1.40	1.39
17.3000	1.39	1.39	1.38	1.38	1.37
17.3625	1.37	1.37	1.36	1.36	1.35
17.4250	1.35	1.34	1.34	1.33	1.33
17.4875	1.33	1.32	1.32	1.31	1.31
17.5500	1.31	1.30	1.30	1.29	1.29
17.6125	1.28	1.28	1.27	1.27	1.27
17.6750	1.26	1.26	1.25	1.25	1.25
17.7375	1.24	1.24	1.23	1.23	1.22
17.8000	1.22	1.21	1.21	1.21	1.20
17.8625	1.20	1.19	1.19	1.18	1.18
17.9250	1.18	1.17	1.17	1.16	1.16
17.9875	1.15	1.15	1.15	1.14	1.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0500	1.13	1.13	1.12	1.12	1.12
18.1125	1.11	1.11	1.11	1.11	1.10
18.1750	1.10	1.10	1.10	1.10	1.09
18.2375	1.09	1.09	1.09	1.09	1.09
18.3000	1.09	1.08	1.08	1.08	1.08
18.3625	1.08	1.08	1.08	1.07	1.07
18.4250	1.07	1.07	1.07	1.07	1.07
18.4875	1.07	1.06	1.06	1.06	1.06
18.5500	1.06	1.06	1.06	1.06	1.05
18.6125	1.05	1.05	1.05	1.05	1.05
18.6750	1.05	1.05	1.04	1.04	1.04
18.7375	1.04	1.04	1.04	1.04	1.03
18.8000	1.03	1.03	1.03	1.03	1.03
18.8625	1.03	1.03	1.02	1.02	1.02
18.9250	1.02	1.02	1.02	1.02	1.02
18.9875	1.01	1.01	1.01	1.01	1.01
19.0500	1.01	1.01	1.01	1.00	1.00
19.1125	1.00	1.00	1.00	1.00	1.00
19.1750	.99	.99	.99	.99	.99
19.2375	.99	.99	.99	.98	.98
19.3000	.98	.98	.98	.98	.98
19.3625	.97	.97	.97	.97	.97
19.4250	.97	.97	.97	.97	.96
19.4875	.96	.96	.96	.96	.96
19.5500	.96	.95	.95	.95	.95
19.6125	.95	.95	.95	.95	.94
19.6750	.94	.94	.94	.94	.94
19.7375	.94	.94	.93	.93	.93
19.8000	.93	.93	.93	.93	.93
19.8625	.92	.92	.92	.92	.92
19.9250	.92	.92	.91	.91	.91
19.9875	.91	.91	.91	.91	.91
20.0500	.91	.90	.90	.90	.90
20.1125	.90	.90	.90	.89	.89
20.1750	.89	.89	.89	.89	.89
20.2375	.89	.89	.89	.89	.89
20.3000	.88	.88	.88	.88	.88
20.3625	.88	.88	.88	.87	.87
20.4250	.87	.87	.87	.87	.87
20.4875	.87	.87	.87	.87	.86
20.5500	.86	.86	.86	.86	.86
20.6125	.86	.86	.86	.86	.86
20.6750	.85	.85	.85	.85	.85
20.7375	.85	.85	.85	.84	.84
20.8000	.84	.84	.84	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8625	.84	.84	.84	.84	.84
20.9250	.83	.83	.83	.83	.83
20.9875	.83	.83	.83	.83	.83
21.0500	.83	.83	.82	.82	.82
21.1125	.82	.82	.82	.82	.82
21.1750	.82	.81	.81	.81	.81
21.2375	.81	.81	.81	.81	.81
21.3000	.81	.80	.80	.80	.80
21.3625	.80	.80	.80	.80	.80
21.4250	.80	.80	.79	.79	.79
21.4875	.79	.79	.79	.79	.79
21.5500	.78	.78	.78	.78	.78
21.6125	.78	.78	.78	.78	.78
21.6750	.78	.78	.77	.77	.77
21.7375	.77	.77	.77	.77	.77
21.8000	.77	.77	.77	.77	.76
21.8625	.76	.76	.76	.76	.76
21.9250	.76	.76	.76	.75	.75
21.9875	.75	.75	.75	.75	.75
22.0500	.75	.75	.75	.74	.74
22.1125	.74	.74	.74	.74	.74
22.1750	.74	.74	.74	.74	.73
22.2375	.73	.73	.73	.73	.73
22.3000	.73	.73	.72	.72	.72
22.3625	.72	.72	.72	.72	.72
22.4250	.72	.72	.72	.72	.71
22.4875	.71	.71	.71	.71	.71
22.5500	.71	.71	.71	.71	.71
22.6125	.70	.70	.70	.70	.70
22.6750	.70	.70	.70	.70	.70
22.7375	.70	.69	.69	.69	.69
22.8000	.69	.69	.69	.69	.69
22.8625	.68	.68	.68	.68	.68
22.9250	.68	.68	.68	.68	.68
22.9875	.68	.67	.67	.67	.67
23.0500	.67	.67	.67	.67	.67
23.1125	.66	.66	.66	.66	.66
23.1750	.66	.66	.66	.66	.66
23.2375	.66	.65	.65	.65	.65
23.3000	.65	.65	.65	.65	.65
23.3625	.65	.64	.64	.64	.64
23.4250	.64	.64	.64	.64	.64
23.4875	.64	.64	.64	.63	.63
23.5500	.63	.63	.63	.63	.63
23.6125	.63	.63	.62	.62	.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.6750	.62	.62	.62	.62	.62
23.7375	.62	.62	.62	.61	.61
23.8000	.61	.61	.61	.61	.61
23.8625	.61	.61	.60	.60	.60
23.9250	.60	.60	.60	.60	.60
23.9875	.60	.60	.59	.58	.57
24.0500	.55	.52	.49	.44	.40
24.1125	.35	.31	.27	.23	.19
24.1750	.16	.13	.11	.09	.08
24.2375	.07	.06	.05	.04	.03
24.3000	.03	.02	.02	.02	.01
24.3625	.01	.01	.01	.01	.01
24.4250	.00	.00	.00	.00	.00
24.4875	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-3 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-3       D.A. CC-3       work_pad.hyg  D.A. CC-3     50
=====

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INFLOWS TO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg D.A. CC-3     50           241954      12.1375      56.26

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TOTAL FLOW INTO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg WQBASIN CC-3 IN  50           241954      12.1375      56.26

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 IN

HYG Tag = 50

 Peak Discharge = 56.26 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 241954 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
1.9000	.00	.00	.00	.00	.00
1.9625	.00	.01	.01	.01	.01
2.0250	.01	.01	.01	.02	.02
2.0875	.02	.02	.02	.03	.03
2.1500	.03	.03	.03	.04	.04
2.2125	.04	.04	.04	.05	.05
2.2750	.05	.05	.05	.06	.06
2.3375	.06	.06	.06	.07	.07
2.4000	.07	.07	.07	.08	.08
2.4625	.08	.08	.08	.09	.09
2.5250	.09	.09	.09	.10	.10
2.5875	.10	.10	.10	.11	.11
2.6500	.11	.11	.12	.12	.12
2.7125	.12	.12	.13	.13	.13
2.7750	.13	.13	.14	.14	.14
2.8375	.14	.14	.15	.15	.15
2.9000	.15	.16	.16	.16	.16
2.9625	.16	.17	.17	.17	.17
3.0250	.17	.18	.18	.18	.18
3.0875	.19	.19	.19	.19	.19
3.1500	.20	.20	.20	.20	.21
3.2125	.21	.21	.21	.21	.22
3.2750	.22	.22	.22	.22	.23
3.3375	.23	.23	.23	.24	.24
3.4000	.24	.24	.24	.25	.25
3.4625	.25	.25	.26	.26	.26
3.5250	.26	.26	.27	.27	.27
3.5875	.27	.28	.28	.28	.28
3.6500	.28	.29	.29	.29	.29
3.7125	.29	.30	.30	.30	.30
3.7750	.31	.31	.31	.31	.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.8375	.32	.32	.32	.32	.33
3.9000	.33	.33	.33	.33	.34
3.9625	.34	.34	.34	.35	.35
4.0250	.35	.35	.35	.36	.36
4.0875	.36	.36	.37	.37	.37
4.1500	.37	.37	.38	.38	.38
4.2125	.38	.39	.39	.39	.39
4.2750	.39	.40	.40	.40	.40
4.3375	.41	.41	.41	.41	.41
4.4000	.42	.42	.42	.42	.43
4.4625	.43	.43	.43	.43	.44
4.5250	.44	.44	.44	.45	.45
4.5875	.45	.45	.45	.46	.46
4.6500	.46	.46	.47	.47	.47
4.7125	.47	.47	.48	.48	.48
4.7750	.48	.49	.49	.49	.49
4.8375	.49	.50	.50	.50	.50
4.9000	.51	.51	.51	.51	.51
4.9625	.52	.52	.52	.52	.53
5.0250	.53	.53	.53	.53	.54
5.0875	.54	.54	.54	.55	.55
5.1500	.55	.55	.55	.56	.56
5.2125	.56	.56	.57	.57	.57
5.2750	.57	.57	.58	.58	.58
5.3375	.58	.59	.59	.59	.59
5.4000	.59	.60	.60	.60	.60
5.4625	.60	.61	.61	.61	.61
5.5250	.62	.62	.62	.62	.62
5.5875	.63	.63	.63	.63	.64
5.6500	.64	.64	.64	.64	.65
5.7125	.65	.65	.65	.66	.66
5.7750	.66	.66	.66	.67	.67
5.8375	.67	.67	.67	.68	.68
5.9000	.68	.68	.69	.69	.69
5.9625	.69	.69	.70	.70	.70
6.0250	.70	.71	.71	.71	.71
6.0875	.72	.72	.72	.73	.73
6.1500	.73	.73	.74	.74	.75
6.2125	.75	.75	.76	.76	.76
6.2750	.77	.77	.78	.78	.79
6.3375	.79	.79	.80	.80	.81
6.4000	.81	.81	.82	.82	.83
6.4625	.83	.84	.84	.85	.85
6.5250	.85	.86	.86	.87	.87
6.5875	.88	.88	.89	.89	.89

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.6500	.90	.90	.91	.91	.92
6.7125	.92	.93	.93	.94	.94
6.7750	.94	.95	.95	.96	.96
6.8375	.97	.97	.98	.98	.99
6.9000	.99	1.00	1.00	1.00	1.01
6.9625	1.01	1.02	1.02	1.03	1.03
7.0250	1.04	1.04	1.05	1.05	1.06
7.0875	1.06	1.07	1.07	1.08	1.08
7.1500	1.09	1.09	1.10	1.10	1.10
7.2125	1.11	1.11	1.12	1.12	1.13
7.2750	1.13	1.14	1.14	1.15	1.15
7.3375	1.16	1.16	1.17	1.17	1.18
7.4000	1.18	1.19	1.19	1.20	1.20
7.4625	1.21	1.21	1.22	1.22	1.23
7.5250	1.23	1.24	1.24	1.25	1.25
7.5875	1.26	1.26	1.27	1.27	1.28
7.6500	1.28	1.29	1.29	1.30	1.30
7.7125	1.31	1.31	1.32	1.32	1.33
7.7750	1.33	1.34	1.34	1.35	1.35
7.8375	1.36	1.36	1.37	1.37	1.38
7.9000	1.38	1.39	1.39	1.40	1.40
7.9625	1.41	1.41	1.42	1.42	1.43
8.0250	1.43	1.44	1.44	1.45	1.46
8.0875	1.46	1.47	1.48	1.48	1.49
8.1500	1.50	1.51	1.52	1.53	1.53
8.2125	1.54	1.55	1.56	1.57	1.58
8.2750	1.59	1.60	1.61	1.62	1.63
8.3375	1.64	1.65	1.66	1.67	1.68
8.4000	1.69	1.70	1.71	1.72	1.73
8.4625	1.74	1.75	1.76	1.77	1.78
8.5250	1.79	1.80	1.81	1.82	1.83
8.5875	1.84	1.85	1.86	1.87	1.88
8.6500	1.89	1.90	1.92	1.93	1.94
8.7125	1.95	1.96	1.97	1.98	1.99
8.7750	2.00	2.01	2.02	2.03	2.04
8.8375	2.05	2.06	2.07	2.09	2.10
8.9000	2.11	2.12	2.13	2.14	2.15
8.9625	2.16	2.17	2.18	2.19	2.20
9.0250	2.21	2.23	2.24	2.25	2.26
9.0875	2.27	2.28	2.29	2.30	2.31
9.1500	2.32	2.34	2.35	2.36	2.37
9.2125	2.38	2.39	2.40	2.41	2.42
9.2750	2.43	2.45	2.46	2.47	2.48
9.3375	2.49	2.50	2.51	2.52	2.54
9.4000	2.55	2.56	2.57	2.58	2.59

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4625	2.60	2.61	2.62	2.64	2.65
9.5250	2.66	2.67	2.68	2.69	2.70
9.5875	2.71	2.73	2.74	2.75	2.76
9.6500	2.77	2.78	2.79	2.80	2.82
9.7125	2.83	2.84	2.85	2.86	2.87
9.7750	2.89	2.90	2.91	2.92	2.93
9.8375	2.94	2.95	2.96	2.98	2.99
9.9000	3.00	3.01	3.02	3.03	3.04
9.9625	3.06	3.07	3.08	3.09	3.10
10.0250	3.11	3.13	3.14	3.15	3.17
10.0875	3.18	3.20	3.21	3.23	3.24
10.1500	3.26	3.28	3.30	3.32	3.33
10.2125	3.35	3.37	3.39	3.41	3.44
10.2750	3.46	3.48	3.50	3.52	3.54
10.3375	3.57	3.59	3.61	3.63	3.65
10.4000	3.68	3.70	3.72	3.74	3.76
10.4625	3.79	3.81	3.83	3.85	3.88
10.5250	3.90	3.92	3.94	3.97	3.99
10.5875	4.01	4.03	4.06	4.08	4.10
10.6500	4.12	4.15	4.17	4.19	4.22
10.7125	4.24	4.26	4.28	4.30	4.33
10.7750	4.35	4.37	4.40	4.42	4.44
10.8375	4.46	4.49	4.51	4.53	4.56
10.9000	4.58	4.60	4.63	4.65	4.67
10.9625	4.69	4.72	4.74	4.76	4.79
11.0250	4.81	4.84	4.87	4.91	4.94
11.0875	4.98	5.03	5.07	5.12	5.17
11.1500	5.22	5.28	5.34	5.41	5.48
11.2125	5.55	5.62	5.69	5.76	5.84
11.2750	5.92	6.00	6.08	6.16	6.24
11.3375	6.32	6.40	6.48	6.57	6.65
11.4000	6.73	6.81	6.89	6.98	7.06
11.4625	7.14	7.23	7.32	7.41	7.51
11.5250	7.63	7.77	7.94	8.16	8.41
11.5875	8.69	9.00	9.33	9.70	10.10
11.6500	10.57	11.07	11.65	12.23	12.86
11.7125	13.49	14.14	14.81	15.52	16.25
11.7750	17.00	17.76	18.51	19.26	20.01
11.8375	20.78	21.55	22.35	23.16	23.98
11.9000	24.81	25.78	26.81	28.17	29.64
11.9625	31.67	33.80	36.32	38.88	41.47
12.0250	44.03	46.36	48.62	50.53	52.32
12.0875	53.70	54.90	55.68	56.19	56.26
12.1500	55.88	55.00	53.66	51.96	50.02
12.2125	47.93	45.81	43.67	41.63	39.60

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2750	37.84	36.11	34.67	33.25	32.02
12.3375	30.80	29.67	28.54	27.48	26.44
12.4000	25.47	24.52	23.61	22.70	21.81
12.4625	20.92	20.02	19.15	18.29	17.47
12.5250	16.68	15.92	15.18	14.48	13.79
12.5875	13.16	12.54	12.01	11.48	11.03
12.6500	10.59	10.22	9.87	9.58	9.31
12.7125	9.08	8.87	8.69	8.51	8.35
12.7750	8.20	8.06	7.94	7.81	7.70
12.8375	7.59	7.48	7.38	7.28	7.18
12.9000	7.08	6.99	6.90	6.81	6.72
12.9625	6.63	6.54	6.45	6.37	6.29
13.0250	6.20	6.13	6.05	5.97	5.90
13.0875	5.83	5.77	5.71	5.65	5.60
13.1500	5.54	5.50	5.45	5.41	5.37
13.2125	5.34	5.31	5.28	5.25	5.22
13.2750	5.19	5.16	5.14	5.11	5.09
13.3375	5.06	5.04	5.01	4.99	4.97
13.4000	4.94	4.92	4.90	4.88	4.85
13.4625	4.83	4.81	4.79	4.76	4.74
13.5250	4.72	4.70	4.68	4.65	4.63
13.5875	4.61	4.59	4.57	4.54	4.52
13.6500	4.50	4.48	4.46	4.43	4.41
13.7125	4.39	4.37	4.35	4.32	4.30
13.7750	4.28	4.26	4.23	4.21	4.19
13.8375	4.17	4.15	4.12	4.10	4.08
13.9000	4.06	4.04	4.01	3.99	3.97
13.9625	3.95	3.92	3.90	3.88	3.86
14.0250	3.84	3.82	3.80	3.78	3.76
14.0875	3.74	3.72	3.70	3.68	3.67
14.1500	3.65	3.63	3.62	3.61	3.59
14.2125	3.58	3.57	3.56	3.54	3.53
14.2750	3.52	3.51	3.50	3.49	3.48
14.3375	3.46	3.45	3.44	3.43	3.42
14.4000	3.41	3.40	3.39	3.38	3.37
14.4625	3.36	3.35	3.34	3.32	3.31
14.5250	3.30	3.29	3.28	3.27	3.26
14.5875	3.25	3.24	3.23	3.22	3.21
14.6500	3.20	3.19	3.18	3.17	3.15
14.7125	3.14	3.13	3.12	3.11	3.10
14.7750	3.09	3.08	3.07	3.06	3.05
14.8375	3.04	3.03	3.02	3.01	3.00
14.9000	2.98	2.97	2.96	2.95	2.94
14.9625	2.93	2.92	2.91	2.90	2.89
15.0250	2.88	2.87	2.86	2.85	2.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0875	2.83	2.81	2.80	2.79	2.78
15.1500	2.77	2.76	2.75	2.74	2.73
15.2125	2.72	2.71	2.70	2.69	2.68
15.2750	2.67	2.66	2.64	2.63	2.62
15.3375	2.61	2.60	2.59	2.58	2.57
15.4000	2.56	2.55	2.54	2.53	2.52
15.4625	2.51	2.50	2.49	2.47	2.46
15.5250	2.45	2.44	2.43	2.42	2.41
15.5875	2.40	2.39	2.38	2.37	2.36
15.6500	2.35	2.34	2.33	2.32	2.30
15.7125	2.29	2.28	2.27	2.26	2.25
15.7750	2.24	2.23	2.22	2.21	2.20
15.8375	2.19	2.18	2.17	2.16	2.15
15.9000	2.13	2.12	2.11	2.10	2.09
15.9625	2.08	2.07	2.06	2.05	2.04
16.0250	2.03	2.02	2.01	2.00	1.99
16.0875	1.98	1.97	1.97	1.96	1.95
16.1500	1.94	1.94	1.93	1.92	1.91
16.2125	1.91	1.90	1.90	1.89	1.89
16.2750	1.88	1.88	1.87	1.87	1.86
16.3375	1.86	1.85	1.85	1.84	1.84
16.4000	1.83	1.83	1.82	1.82	1.81
16.4625	1.81	1.80	1.80	1.80	1.79
16.5250	1.79	1.78	1.78	1.77	1.77
16.5875	1.76	1.76	1.75	1.75	1.74
16.6500	1.74	1.73	1.73	1.73	1.72
16.7125	1.72	1.71	1.71	1.70	1.70
16.7750	1.69	1.69	1.68	1.68	1.67
16.8375	1.67	1.67	1.66	1.66	1.65
16.9000	1.65	1.64	1.64	1.63	1.63
16.9625	1.63	1.62	1.62	1.61	1.61
17.0250	1.60	1.60	1.59	1.59	1.58
17.0875	1.58	1.57	1.57	1.56	1.56
17.1500	1.56	1.55	1.55	1.54	1.54
17.2125	1.53	1.53	1.52	1.52	1.51
17.2750	1.51	1.50	1.50	1.50	1.49
17.3375	1.49	1.48	1.48	1.47	1.47
17.4000	1.46	1.46	1.45	1.45	1.44
17.4625	1.44	1.43	1.43	1.43	1.42
17.5250	1.42	1.41	1.41	1.40	1.40
17.5875	1.39	1.39	1.38	1.38	1.37
17.6500	1.37	1.36	1.36	1.36	1.35
17.7125	1.35	1.34	1.34	1.33	1.33
17.7750	1.32	1.32	1.31	1.31	1.30
17.8375	1.30	1.30	1.29	1.29	1.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9000	1.28	1.27	1.27	1.26	1.26
17.9625	1.26	1.25	1.25	1.24	1.24
18.0250	1.23	1.23	1.22	1.22	1.21
18.0875	1.21	1.21	1.20	1.20	1.20
18.1500	1.19	1.19	1.19	1.19	1.18
18.2125	1.18	1.18	1.18	1.18	1.18
18.2750	1.17	1.17	1.17	1.17	1.17
18.3375	1.17	1.16	1.16	1.16	1.16
18.4000	1.16	1.16	1.16	1.15	1.15
18.4625	1.15	1.15	1.15	1.15	1.15
18.5250	1.14	1.14	1.14	1.14	1.14
18.5875	1.14	1.14	1.14	1.13	1.13
18.6500	1.13	1.13	1.13	1.13	1.13
18.7125	1.12	1.12	1.12	1.12	1.12
18.7750	1.12	1.12	1.11	1.11	1.11
18.8375	1.11	1.11	1.11	1.11	1.10
18.9000	1.10	1.10	1.10	1.10	1.10
18.9625	1.10	1.09	1.09	1.09	1.09
19.0250	1.09	1.09	1.09	1.09	1.08
19.0875	1.08	1.08	1.08	1.08	1.08
19.1500	1.07	1.07	1.07	1.07	1.07
19.2125	1.07	1.07	1.07	1.06	1.06
19.2750	1.06	1.06	1.06	1.06	1.06
19.3375	1.05	1.05	1.05	1.05	1.05
19.4000	1.05	1.05	1.05	1.04	1.04
19.4625	1.04	1.04	1.04	1.04	1.03
19.5250	1.03	1.03	1.03	1.03	1.03
19.5875	1.03	1.03	1.02	1.02	1.02
19.6500	1.02	1.02	1.02	1.02	1.01
19.7125	1.01	1.01	1.01	1.01	1.01
19.7750	1.01	1.00	1.00	1.00	1.00
19.8375	1.00	1.00	1.00	1.00	.99
19.9000	.99	.99	.99	.99	.99
19.9625	.98	.98	.98	.98	.98
20.0250	.98	.98	.98	.97	.97
20.0875	.97	.97	.97	.97	.97
20.1500	.96	.96	.96	.96	.96
20.2125	.96	.96	.96	.96	.96
20.2750	.96	.95	.95	.95	.95
20.3375	.95	.95	.95	.95	.94
20.4000	.94	.94	.94	.94	.94
20.4625	.94	.94	.94	.94	.93
20.5250	.93	.93	.93	.93	.93
20.5875	.93	.93	.93	.93	.92
20.6500	.92	.92	.92	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7125	.92	.91	.91	.91	.91
20.7750	.91	.91	.91	.91	.91
20.8375	.91	.91	.91	.90	.90
20.9000	.90	.90	.90	.90	.90
20.9625	.90	.90	.89	.89	.89
21.0250	.89	.89	.89	.89	.89
21.0875	.89	.89	.89	.88	.88
21.1500	.88	.88	.88	.88	.88
21.2125	.88	.87	.87	.87	.87
21.2750	.87	.87	.87	.87	.87
21.3375	.87	.86	.86	.86	.86
21.4000	.86	.86	.86	.86	.86
21.4625	.86	.85	.85	.85	.85
21.5250	.85	.85	.85	.84	.84
21.5875	.84	.84	.84	.84	.84
21.6500	.84	.84	.84	.84	.84
21.7125	.83	.83	.83	.83	.83
21.7750	.83	.83	.83	.83	.83
21.8375	.83	.82	.82	.82	.82
21.9000	.82	.82	.82	.82	.81
21.9625	.81	.81	.81	.81	.81
22.0250	.81	.81	.81	.80	.80
22.0875	.80	.80	.80	.80	.80
22.1500	.80	.80	.80	.80	.79
22.2125	.79	.79	.79	.79	.79
22.2750	.79	.79	.78	.78	.78
22.3375	.78	.78	.78	.78	.78
22.4000	.78	.77	.77	.77	.77
22.4625	.77	.77	.77	.77	.77
22.5250	.77	.76	.76	.76	.76
22.5875	.76	.76	.76	.76	.76
22.6500	.76	.76	.76	.75	.75
22.7125	.75	.75	.75	.75	.75
22.7750	.75	.74	.74	.74	.74
22.8375	.74	.74	.74	.74	.74
22.9000	.73	.73	.73	.73	.73
22.9625	.73	.73	.73	.73	.73
23.0250	.73	.72	.72	.72	.72
23.0875	.72	.72	.72	.71	.71
23.1500	.71	.71	.71	.71	.71
23.2125	.71	.71	.71	.71	.71
23.2750	.70	.70	.70	.70	.70
23.3375	.70	.70	.70	.69	.69
23.4000	.69	.69	.69	.69	.69
23.4625	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5250	.68	.68	.68	.68	.68
23.5875	.68	.68	.68	.67	.67
23.6500	.67	.67	.67	.67	.67
23.7125	.67	.67	.67	.66	.66
23.7750	.66	.66	.66	.66	.66
23.8375	.66	.66	.65	.65	.65
23.9000	.65	.65	.65	.65	.65
23.9625	.64	.64	.64	.64	.64
24.0250	.63	.61	.60	.56	.53
24.0875	.48	.43	.38	.33	.29
24.1500	.24	.20	.17	.14	.12
24.2125	.10	.09	.07	.06	.05
24.2750	.04	.04	.03	.03	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-3 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-3       D.A. CC-3       work_pad.hyg  D.A. CC-3     100
=====

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INFLOWS TO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg D.A. CC-3     100          261063      12.1375     60.46

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TOTAL FLOW INTO: WQBASIN CC-3 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg WQBASIN CC-3 IN  100          261063      12.1375     60.46

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 IN

HYG Tag = 100

 Peak Discharge = 60.46 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 261063 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
1.7750	.00	.00	.00	.00	.00
1.8375	.00	.01	.01	.01	.01
1.9000	.01	.01	.02	.02	.02
1.9625	.02	.02	.03	.03	.03
2.0250	.03	.04	.04	.04	.04
2.0875	.04	.05	.05	.05	.05
2.1500	.05	.06	.06	.06	.06
2.2125	.07	.07	.07	.07	.07
2.2750	.08	.08	.08	.08	.09
2.3375	.09	.09	.09	.10	.10
2.4000	.10	.10	.10	.11	.11
2.4625	.11	.11	.12	.12	.12
2.5250	.12	.12	.13	.13	.13
2.5875	.13	.14	.14	.14	.14
2.6500	.15	.15	.15	.15	.15
2.7125	.16	.16	.16	.16	.17
2.7750	.17	.17	.17	.18	.18
2.8375	.18	.18	.19	.19	.19
2.9000	.19	.19	.20	.20	.20
2.9625	.20	.21	.21	.21	.21
3.0250	.22	.22	.22	.22	.23
3.0875	.23	.23	.23	.24	.24
3.1500	.24	.24	.24	.25	.25
3.2125	.25	.25	.26	.26	.26
3.2750	.26	.27	.27	.27	.27
3.3375	.28	.28	.28	.28	.29
3.4000	.29	.29	.29	.29	.30
3.4625	.30	.30	.30	.31	.31
3.5250	.31	.31	.32	.32	.32
3.5875	.32	.33	.33	.33	.33
3.6500	.34	.34	.34	.34	.35

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.7125	.35	.35	.35	.35	.36
3.7750	.36	.36	.36	.37	.37
3.8375	.37	.37	.38	.38	.38
3.9000	.38	.39	.39	.39	.39
3.9625	.40	.40	.40	.40	.41
4.0250	.41	.41	.41	.41	.42
4.0875	.42	.42	.42	.43	.43
4.1500	.43	.43	.44	.44	.44
4.2125	.44	.45	.45	.45	.45
4.2750	.46	.46	.46	.46	.47
4.3375	.47	.47	.47	.48	.48
4.4000	.48	.48	.48	.49	.49
4.4625	.49	.49	.50	.50	.50
4.5250	.50	.51	.51	.51	.51
4.5875	.52	.52	.52	.52	.53
4.6500	.53	.53	.53	.54	.54
4.7125	.54	.54	.54	.55	.55
4.7750	.55	.55	.56	.56	.56
4.8375	.56	.57	.57	.57	.57
4.9000	.58	.58	.58	.58	.59
4.9625	.59	.59	.59	.60	.60
5.0250	.60	.60	.60	.61	.61
5.0875	.61	.61	.62	.62	.62
5.1500	.62	.63	.63	.63	.63
5.2125	.64	.64	.64	.64	.64
5.2750	.65	.65	.65	.65	.66
5.3375	.66	.66	.66	.67	.67
5.4000	.67	.67	.68	.68	.68
5.4625	.68	.68	.69	.69	.69
5.5250	.69	.70	.70	.70	.70
5.5875	.71	.71	.71	.71	.72
5.6500	.72	.72	.72	.72	.73
5.7125	.73	.73	.73	.74	.74
5.7750	.74	.74	.75	.75	.75
5.8375	.75	.75	.76	.76	.76
5.9000	.76	.77	.77	.77	.77
5.9625	.78	.78	.78	.78	.79
6.0250	.79	.79	.79	.80	.80
6.0875	.80	.80	.81	.81	.81
6.1500	.82	.82	.83	.83	.83
6.2125	.84	.84	.84	.85	.85
6.2750	.86	.86	.87	.87	.88
6.3375	.88	.89	.89	.90	.90
6.4000	.90	.91	.91	.92	.92
6.4625	.93	.93	.94	.94	.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.5250	.95	.96	.96	.97	.97
6.5875	.98	.98	.99	.99	.99
6.6500	1.00	1.00	1.01	1.01	1.02
6.7125	1.02	1.03	1.04	1.04	1.05
6.7750	1.05	1.06	1.06	1.06	1.07
6.8375	1.07	1.08	1.08	1.09	1.09
6.9000	1.10	1.10	1.11	1.12	1.12
6.9625	1.13	1.13	1.14	1.14	1.15
7.0250	1.15	1.15	1.16	1.16	1.17
7.0875	1.18	1.18	1.19	1.19	1.20
7.1500	1.20	1.21	1.21	1.22	1.22
7.2125	1.23	1.23	1.24	1.24	1.25
7.2750	1.25	1.26	1.26	1.27	1.28
7.3375	1.28	1.29	1.29	1.30	1.30
7.4000	1.31	1.31	1.32	1.32	1.33
7.4625	1.33	1.34	1.34	1.35	1.35
7.5250	1.36	1.37	1.37	1.38	1.38
7.5875	1.39	1.39	1.40	1.40	1.41
7.6500	1.41	1.42	1.42	1.43	1.43
7.7125	1.44	1.45	1.45	1.46	1.46
7.7750	1.47	1.47	1.48	1.48	1.49
7.8375	1.49	1.50	1.50	1.51	1.52
7.9000	1.52	1.53	1.53	1.54	1.54
7.9625	1.55	1.56	1.56	1.57	1.57
8.0250	1.58	1.58	1.59	1.59	1.60
8.0875	1.61	1.62	1.62	1.63	1.64
8.1500	1.65	1.66	1.67	1.68	1.68
8.2125	1.69	1.70	1.71	1.72	1.73
8.2750	1.74	1.76	1.77	1.78	1.79
8.3375	1.80	1.81	1.82	1.83	1.84
8.4000	1.85	1.86	1.87	1.88	1.89
8.4625	1.91	1.92	1.93	1.94	1.95
8.5250	1.96	1.97	1.98	2.00	2.01
8.5875	2.02	2.03	2.04	2.05	2.06
8.6500	2.07	2.09	2.10	2.11	2.12
8.7125	2.13	2.14	2.15	2.17	2.18
8.7750	2.19	2.20	2.21	2.22	2.23
8.8375	2.25	2.26	2.27	2.28	2.29
8.9000	2.30	2.31	2.33	2.34	2.35
8.9625	2.36	2.37	2.38	2.40	2.41
9.0250	2.42	2.43	2.44	2.45	2.47
9.0875	2.48	2.49	2.50	2.51	2.53
9.1500	2.54	2.55	2.56	2.57	2.58
9.2125	2.60	2.61	2.62	2.63	2.64
9.2750	2.66	2.67	2.68	2.69	2.70

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.3375	2.71	2.73	2.74	2.75	2.76
9.4000	2.77	2.79	2.80	2.81	2.82
9.4625	2.83	2.85	2.86	2.87	2.88
9.5250	2.89	2.91	2.92	2.93	2.94
9.5875	2.96	2.97	2.98	2.99	3.00
9.6500	3.01	3.03	3.04	3.05	3.06
9.7125	3.08	3.09	3.10	3.11	3.13
9.7750	3.14	3.15	3.16	3.17	3.19
9.8375	3.20	3.21	3.22	3.23	3.25
9.9000	3.26	3.27	3.28	3.30	3.31
9.9625	3.32	3.33	3.35	3.36	3.37
10.0250	3.38	3.40	3.41	3.42	3.44
10.0875	3.45	3.47	3.49	3.50	3.52
10.1500	3.54	3.56	3.58	3.60	3.62
10.2125	3.64	3.66	3.68	3.70	3.73
10.2750	3.75	3.78	3.80	3.82	3.84
10.3375	3.87	3.89	3.91	3.94	3.96
10.4000	3.99	4.01	4.03	4.06	4.08
10.4625	4.11	4.13	4.15	4.18	4.20
10.5250	4.23	4.25	4.27	4.30	4.32
10.5875	4.35	4.37	4.39	4.42	4.44
10.6500	4.47	4.49	4.52	4.54	4.56
10.7125	4.59	4.61	4.64	4.66	4.68
10.7750	4.71	4.73	4.76	4.78	4.81
10.8375	4.83	4.85	4.88	4.91	4.93
10.9000	4.95	4.98	5.00	5.03	5.05
10.9625	5.08	5.10	5.13	5.15	5.18
11.0250	5.21	5.24	5.27	5.31	5.35
11.0875	5.39	5.43	5.48	5.53	5.58
11.1500	5.64	5.71	5.78	5.85	5.92
11.2125	5.99	6.07	6.15	6.23	6.31
11.2750	6.40	6.48	6.57	6.65	6.74
11.3375	6.82	6.91	7.00	7.09	7.18
11.4000	7.27	7.36	7.44	7.53	7.62
11.4625	7.71	7.80	7.90	7.99	8.10
11.5250	8.23	8.38	8.57	8.81	9.08
11.5875	9.38	9.71	10.06	10.47	10.89
11.6500	11.40	11.94	12.56	13.19	13.86
11.7125	14.54	15.25	15.96	16.73	17.51
11.7750	18.32	19.14	19.95	20.75	21.56
11.8375	22.38	23.21	24.07	24.94	25.82
11.9000	26.71	27.75	28.86	30.32	31.90
11.9625	34.08	36.37	39.08	41.83	44.60
12.0250	47.35	49.85	52.28	54.33	56.25
12.0875	57.73	59.01	59.85	60.39	60.46

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.1500	60.05	59.09	57.66	55.82	53.73
12.2125	51.49	49.21	46.91	44.71	42.53
12.2750	40.64	38.78	37.23	35.71	34.39
12.3375	33.08	31.85	30.64	29.51	28.39
12.4000	27.34	26.32	25.34	24.37	23.42
12.4625	22.46	21.49	20.55	19.63	18.75
12.5250	17.90	17.09	16.30	15.54	14.80
12.5875	14.13	13.46	12.89	12.32	11.84
12.6500	11.37	10.97	10.59	10.28	9.99
12.7125	9.75	9.52	9.32	9.14	8.96
12.7750	8.80	8.65	8.52	8.39	8.26
12.8375	8.15	8.03	7.92	7.81	7.70
12.9000	7.60	7.50	7.41	7.31	7.21
12.9625	7.12	7.02	6.93	6.83	6.74
13.0250	6.66	6.57	6.49	6.41	6.33
13.0875	6.26	6.19	6.12	6.06	6.00
13.1500	5.95	5.90	5.85	5.81	5.77
13.2125	5.73	5.69	5.66	5.63	5.60
13.2750	5.57	5.54	5.51	5.48	5.46
13.3375	5.43	5.41	5.38	5.36	5.33
13.4000	5.31	5.28	5.26	5.23	5.21
13.4625	5.18	5.16	5.14	5.11	5.09
13.5250	5.07	5.04	5.02	4.99	4.97
13.5875	4.95	4.92	4.90	4.88	4.85
13.6500	4.83	4.80	4.78	4.76	4.73
13.7125	4.71	4.69	4.66	4.64	4.62
13.7750	4.59	4.57	4.54	4.52	4.50
13.8375	4.47	4.45	4.43	4.40	4.38
13.9000	4.35	4.33	4.31	4.28	4.26
13.9625	4.23	4.21	4.19	4.16	4.14
14.0250	4.12	4.09	4.07	4.05	4.03
14.0875	4.01	3.99	3.97	3.95	3.93
14.1500	3.92	3.90	3.88	3.87	3.85
14.2125	3.84	3.83	3.82	3.80	3.79
14.2750	3.78	3.76	3.75	3.74	3.73
14.3375	3.72	3.70	3.69	3.68	3.67
14.4000	3.66	3.65	3.64	3.62	3.61
14.4625	3.60	3.59	3.58	3.57	3.55
14.5250	3.54	3.53	3.52	3.51	3.50
14.5875	3.49	3.47	3.46	3.45	3.44
14.6500	3.43	3.42	3.41	3.40	3.38
14.7125	3.37	3.36	3.35	3.34	3.33
14.7750	3.32	3.30	3.29	3.28	3.27
14.8375	3.26	3.25	3.24	3.23	3.21
14.9000	3.20	3.19	3.18	3.17	3.16

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	3.15	3.13	3.12	3.11	3.10
15.0250	3.09	3.08	3.07	3.05	3.04
15.0875	3.03	3.02	3.01	3.00	2.99
15.1500	2.97	2.96	2.95	2.94	2.93
15.2125	2.92	2.91	2.89	2.88	2.87
15.2750	2.86	2.85	2.84	2.83	2.81
15.3375	2.80	2.79	2.78	2.77	2.76
15.4000	2.75	2.73	2.72	2.71	2.70
15.4625	2.69	2.68	2.67	2.65	2.64
15.5250	2.63	2.62	2.61	2.60	2.59
15.5875	2.57	2.56	2.55	2.54	2.53
15.6500	2.52	2.51	2.50	2.48	2.47
15.7125	2.46	2.45	2.44	2.43	2.41
15.7750	2.40	2.39	2.38	2.37	2.36
15.8375	2.35	2.34	2.32	2.31	2.30
15.9000	2.29	2.28	2.27	2.26	2.24
15.9625	2.23	2.22	2.21	2.20	2.19
16.0250	2.18	2.17	2.16	2.15	2.14
16.0875	2.13	2.12	2.11	2.10	2.09
16.1500	2.08	2.08	2.07	2.06	2.05
16.2125	2.05	2.04	2.03	2.03	2.02
16.2750	2.02	2.01	2.01	2.00	2.00
16.3375	1.99	1.99	1.98	1.98	1.97
16.4000	1.97	1.96	1.96	1.95	1.95
16.4625	1.94	1.94	1.93	1.93	1.92
16.5250	1.92	1.91	1.91	1.90	1.90
16.5875	1.89	1.89	1.88	1.88	1.87
16.6500	1.87	1.86	1.86	1.85	1.85
16.7125	1.84	1.84	1.83	1.83	1.82
16.7750	1.82	1.81	1.81	1.80	1.80
16.8375	1.79	1.79	1.78	1.78	1.77
16.9000	1.77	1.76	1.76	1.75	1.75
16.9625	1.74	1.74	1.73	1.73	1.72
17.0250	1.72	1.71	1.71	1.70	1.70
17.0875	1.69	1.69	1.68	1.68	1.67
17.1500	1.67	1.66	1.66	1.65	1.65
17.2125	1.64	1.64	1.63	1.63	1.62
17.2750	1.62	1.61	1.61	1.60	1.60
17.3375	1.59	1.59	1.58	1.58	1.57
17.4000	1.57	1.56	1.56	1.55	1.55
17.4625	1.54	1.54	1.53	1.53	1.52
17.5250	1.52	1.51	1.51	1.50	1.50
17.5875	1.49	1.49	1.48	1.48	1.47
17.6500	1.47	1.46	1.46	1.45	1.45
17.7125	1.44	1.44	1.44	1.43	1.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	1.42	1.41	1.41	1.40	1.40
17.8375	1.39	1.39	1.38	1.38	1.37
17.9000	1.37	1.37	1.36	1.36	1.35
17.9625	1.35	1.34	1.34	1.33	1.32
18.0250	1.32	1.31	1.31	1.31	1.30
18.0875	1.30	1.29	1.29	1.29	1.28
18.1500	1.28	1.28	1.27	1.27	1.27
18.2125	1.27	1.27	1.26	1.26	1.26
18.2750	1.26	1.26	1.26	1.25	1.25
18.3375	1.25	1.25	1.25	1.25	1.24
18.4000	1.24	1.24	1.24	1.24	1.24
18.4625	1.24	1.23	1.23	1.23	1.23
18.5250	1.23	1.23	1.22	1.22	1.22
18.5875	1.22	1.22	1.22	1.22	1.21
18.6500	1.21	1.21	1.21	1.21	1.21
18.7125	1.21	1.20	1.20	1.20	1.20
18.7750	1.20	1.20	1.19	1.19	1.19
18.8375	1.19	1.19	1.19	1.19	1.18
18.9000	1.18	1.18	1.18	1.18	1.18
18.9625	1.18	1.17	1.17	1.17	1.17
19.0250	1.17	1.17	1.17	1.16	1.16
19.0875	1.16	1.16	1.16	1.16	1.15
19.1500	1.15	1.15	1.15	1.15	1.15
19.2125	1.15	1.14	1.14	1.14	1.14
19.2750	1.14	1.14	1.14	1.13	1.13
19.3375	1.13	1.13	1.13	1.13	1.12
19.4000	1.12	1.12	1.12	1.12	1.12
19.4625	1.12	1.11	1.11	1.11	1.11
19.5250	1.11	1.11	1.11	1.10	1.10
19.5875	1.10	1.10	1.10	1.10	1.10
19.6500	1.09	1.09	1.09	1.09	1.09
19.7125	1.09	1.08	1.08	1.08	1.08
19.7750	1.08	1.08	1.08	1.07	1.07
19.8375	1.07	1.07	1.07	1.07	1.07
19.9000	1.06	1.06	1.06	1.06	1.06
19.9625	1.06	1.05	1.05	1.05	1.05
20.0250	1.05	1.05	1.05	1.04	1.04
20.0875	1.04	1.04	1.04	1.04	1.04
20.1500	1.03	1.03	1.03	1.03	1.03
20.2125	1.03	1.03	1.03	1.03	1.03
20.2750	1.03	1.02	1.02	1.02	1.02
20.3375	1.02	1.02	1.02	1.01	1.01
20.4000	1.01	1.01	1.01	1.01	1.01
20.4625	1.01	1.01	1.00	1.00	1.00
20.5250	1.00	1.00	1.00	1.00	1.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	1.00	.99	.99	.99	.99
20.6500		.99	.99	.99	.98
20.7125		.98	.98	.98	.98
20.7750		.98	.98	.97	.97
20.8375		.97	.97	.97	.97
20.9000		.97	.97	.96	.96
20.9625		.96	.96	.96	.96
21.0250		.96	.96	.95	.95
21.0875		.95	.95	.95	.95
21.1500		.95	.94	.94	.94
21.2125		.94	.94	.94	.93
21.2750		.93	.93	.93	.93
21.3375		.93	.93	.93	.92
21.4000		.92	.92	.92	.92
21.4625		.92	.92	.91	.91
21.5250		.91	.91	.91	.90
21.5875		.90	.90	.90	.90
21.6500		.90	.90	.90	.90
21.7125		.89	.89	.89	.89
21.7750		.89	.89	.89	.89
21.8375		.89	.88	.88	.88
21.9000		.88	.88	.88	.87
21.9625		.87	.87	.87	.87
22.0250		.87	.87	.86	.86
22.0875		.86	.86	.86	.86
22.1500		.86	.85	.85	.85
22.2125		.85	.85	.85	.85
22.2750		.84	.84	.84	.84
22.3375		.84	.84	.83	.83
22.4000		.83	.83	.83	.83
22.4625		.83	.83	.83	.82
22.5250		.82	.82	.82	.82
22.5875		.82	.82	.81	.81
22.6500		.81	.81	.81	.81
22.7125		.81	.81	.80	.80
22.7750		.80	.80	.80	.79
22.8375		.79	.79	.79	.79
22.9000		.79	.79	.79	.78
22.9625		.78	.78	.78	.78
23.0250		.78	.78	.77	.77
23.0875		.77	.77	.77	.76
23.1500		.76	.76	.76	.76
23.2125		.76	.76	.76	.76
23.2750		.75	.75	.75	.75
23.3375		.75	.75	.75	.74

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	.74	.74	.74	.74	.74
23.4625	.74	.74	.74	.74	.73
23.5250	.73	.73	.73	.73	.73
23.5875	.73	.73	.72	.72	.72
23.6500	.72	.72	.72	.72	.72
23.7125	.72	.71	.71	.71	.71
23.7750	.71	.71	.71	.71	.71
23.8375	.71	.70	.70	.70	.70
23.9000	.70	.70	.69	.69	.69
23.9625	.69	.69	.69	.69	.68
24.0250	.68	.66	.64	.60	.56
24.0875	.51	.46	.41	.36	.31
24.1500	.26	.22	.18	.15	.13
24.2125	.11	.09	.08	.07	.05
24.2750	.05	.04	.03	.03	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.01	.00	.00
24.4625	.00	.00	.00	.00	.00
24.5250	.00				

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-3 IN 2
Outflow HYG file = work_pad.hyg - WQBASIN CC-3 OUT 2

Pond Node Data = WQBASIN CC-3
Pond Volume Data = WQBASIN CC-3
Pond Outlet Data = WQB CC-3 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = .00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 26.55 cfs at 12.1375 hrs
Peak Outflow = 25.70 cfs at 12.1750 hrs

Peak Elevation = 5.18 ft
Peak Storage = 44030 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 109106
- Infiltration = 0
- HYG Vol OUT = 66606
- Retained Vol = 42500

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 OUT

HYG Tag = 2

```

-----
Peak Discharge =      25.70 cfs
Time to Peak   =      12.1750 hrs
HYG Volume     =      66606 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	Output 1	Output 2	Output 3	Output 4	Output 5
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.00	.00	.00
11.2750	.00	.00	.00	.00	.00
11.3375	.00	.00	.00	.00	.00
11.4000	.00	.00	.00	.00	.00
11.4625	.00	.00	.00	.00	.00
11.5250	.00	.00	.00	.00	.00
11.5875	.00	.00	.00	.00	.00
11.6500	.00	.00	.00	.00	.00
11.7125	.00	.00	.00	.00	.00
11.7750	.00	.00	.00	.00	.00
11.8375	.00	.00	.00	.00	.00
11.9000	.00	.00	.00	.00	.00
11.9625	.00	.00	.00	.00	.00
12.0250	.00	.00	.00	.00	.00
12.0875	.00	.00	.00	9.58	20.48
12.1500	24.51	25.65	25.70	25.25	24.54
12.2125	23.68	22.74	21.77	20.79	19.83
12.2750	18.92	18.07	17.29	16.58	15.93
12.3375	15.33	14.76	14.22	13.69	13.19
12.4000	12.70	12.24	11.79	11.35	10.92
12.4625	10.49	10.20	9.87	9.50	9.12
12.5250	8.73	8.36	7.99	7.63	7.28
12.5875	6.94	6.62	6.32	6.04	5.78
12.6500	5.54	5.32	5.12	4.94	4.78
12.7125	4.63	4.51	4.40	4.29	4.20
12.7750	4.12	4.04	3.97	3.90	3.84
12.8375	3.78	3.72	3.67	3.62	3.57
12.9000	3.52	3.47	3.43	3.38	3.34
12.9625	3.29	3.25	3.21	3.16	3.12
13.0250	3.08	3.04	3.00	2.97	2.93
13.0875	2.89	2.86	2.83	2.79	2.77
13.1500	2.74	2.71	2.69	2.67	2.64
13.2125	2.63	2.61	2.59	2.57	2.56
13.2750	2.55	2.53	2.52	2.51	2.49
13.3375	2.48	2.47	2.46	2.45	2.43
13.4000	2.42	2.41	2.40	2.39	2.38
13.4625	2.37	2.36	2.35	2.34	2.32
13.5250	2.31	2.30	2.29	2.28	2.27
13.5875	2.26	2.25	2.24	2.23	2.22
13.6500	2.21	2.20	2.19	2.18	2.16
13.7125	2.15	2.14	2.13	2.12	2.11
13.7750	2.10	2.09	2.08	2.07	2.06
13.8375	2.05	2.04	2.03	2.02	2.00
13.9000	1.99	1.98	1.97	1.96	1.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9625	1.94	1.93	1.92	1.91	1.90
14.0250	1.89	1.88	1.87	1.86	1.85
14.0875	1.84	1.83	1.82	1.81	1.80
14.1500	1.79	1.78	1.78	1.77	1.76
14.2125	1.76	1.75	1.74	1.74	1.73
14.2750	1.73	1.72	1.71	1.71	1.70
14.3375	1.70	1.69	1.69	1.68	1.68
14.4000	1.67	1.67	1.66	1.66	1.65
14.4625	1.65	1.64	1.64	1.63	1.62
14.5250	1.62	1.61	1.61	1.60	1.60
14.5875	1.59	1.59	1.58	1.58	1.57
14.6500	1.57	1.56	1.56	1.55	1.55
14.7125	1.54	1.54	1.53	1.53	1.52
14.7750	1.52	1.51	1.51	1.50	1.50
14.8375	1.49	1.49	1.48	1.48	1.47
14.9000	1.47	1.46	1.46	1.45	1.45
14.9625	1.44	1.43	1.43	1.42	1.42
15.0250	1.41	1.41	1.40	1.40	1.39
15.0875	1.39	1.38	1.38	1.37	1.37
15.1500	1.36	1.36	1.35	1.35	1.34
15.2125	1.34	1.33	1.33	1.32	1.32
15.2750	1.31	1.31	1.30	1.30	1.29
15.3375	1.29	1.28	1.27	1.27	1.26
15.4000	1.26	1.25	1.25	1.24	1.24
15.4625	1.23	1.23	1.22	1.22	1.21
15.5250	1.21	1.20	1.20	1.19	1.19
15.5875	1.18	1.18	1.17	1.17	1.16
15.6500	1.16	1.15	1.15	1.14	1.14
15.7125	1.13	1.12	1.12	1.11	1.11
15.7750	1.10	1.10	1.09	1.09	1.08
15.8375	1.08	1.07	1.07	1.06	1.06
15.9000	1.05	1.05	1.04	1.04	1.03
15.9625	1.03	1.02	1.02	1.01	1.01
16.0250	1.00	1.00	.99	.99	.98
16.0875	.98	.97	.97	.96	.96
16.1500	.96	.95	.95	.95	.94
16.2125	.94	.94	.93	.93	.93
16.2750	.92	.92	.92	.92	.91
16.3375	.91	.91	.91	.91	.90
16.4000	.90	.90	.90	.89	.89
16.4625	.89	.89	.88	.88	.88
16.5250	.88	.88	.87	.87	.87
16.5875	.87	.86	.86	.86	.86
16.6500	.85	.85	.85	.85	.85
16.7125	.84	.84	.84	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7750	.83	.83	.83	.83	.82
16.8375	.82	.82	.82	.81	.81
16.9000	.81	.81	.81	.80	.80
16.9625	.80	.80	.79	.79	.79
17.0250	.79	.79	.78	.78	.78
17.0875	.78	.77	.77	.77	.77
17.1500	.77	.76	.76	.76	.76
17.2125	.75	.75	.75	.75	.74
17.2750	.74	.74	.74	.74	.73
17.3375	.73	.73	.73	.72	.72
17.4000	.72	.72	.72	.71	.71
17.4625	.71	.71	.70	.70	.70
17.5250	.70	.70	.69	.69	.69
17.5875	.69	.68	.68	.68	.68
17.6500	.67	.67	.67	.67	.67
17.7125	.66	.66	.66	.66	.65
17.7750	.65	.65	.65	.65	.64
17.8375	.64	.64	.64	.63	.63
17.9000	.63	.63	.62	.62	.62
17.9625	.62	.62	.61	.61	.61
18.0250	.61	.60	.60	.60	.60
18.0875	.60	.59	.59	.59	.59
18.1500	.59	.59	.58	.58	.58
18.2125	.58	.58	.58	.58	.58
18.2750	.58	.58	.57	.57	.57
18.3375	.57	.57	.57	.57	.57
18.4000	.57	.57	.57	.57	.57
18.4625	.57	.56	.56	.56	.56
18.5250	.56	.56	.56	.56	.56
18.5875	.56	.56	.56	.56	.56
18.6500	.56	.55	.55	.55	.55
18.7125	.55	.55	.55	.55	.55
18.7750	.55	.55	.55	.55	.55
18.8375	.55	.54	.54	.54	.54
18.9000	.54	.54	.54	.54	.54
18.9625	.54	.54	.54	.54	.54
19.0250	.53	.53	.53	.53	.53
19.0875	.53	.53	.53	.53	.53
19.1500	.53	.53	.53	.53	.53
19.2125	.52	.52	.52	.52	.52
19.2750	.52	.52	.52	.52	.52
19.3375	.52	.52	.52	.52	.52
19.4000	.51	.51	.51	.51	.51
19.4625	.51	.51	.51	.51	.51
19.5250	.51	.51	.51	.51	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
19.5875	.50	.50	.50	.50	.50
19.6500	.50	.50	.50	.50	.50
19.7125	.50	.50	.50	.50	.49
19.7750	.49	.49	.49	.49	.49
19.8375	.49	.49	.49	.49	.49
19.9000	.49	.49	.49	.49	.48
19.9625	.48	.48	.48	.48	.48
20.0250	.48	.48	.48	.48	.48
20.0875	.48	.48	.48	.48	.47
20.1500	.47	.47	.47	.47	.47
20.2125	.47	.47	.47	.47	.47
20.2750	.47	.47	.47	.47	.47
20.3375	.47	.47	.47	.46	.46
20.4000	.46	.46	.46	.46	.46
20.4625	.46	.46	.46	.46	.46
20.5250	.46	.46	.46	.46	.46
20.5875	.46	.46	.46	.45	.45
20.6500	.45	.45	.45	.45	.45
20.7125	.45	.45	.45	.45	.45
20.7750	.45	.45	.45	.45	.45
20.8375	.45	.45	.44	.44	.44
20.9000	.44	.44	.44	.44	.44
20.9625	.44	.44	.44	.44	.44
21.0250	.44	.44	.44	.44	.44
21.0875	.44	.44	.44	.43	.43
21.1500	.43	.43	.43	.43	.43
21.2125	.43	.43	.43	.43	.43
21.2750	.43	.43	.43	.43	.43
21.3375	.43	.42	.42	.42	.42
21.4000	.42	.42	.42	.42	.42
21.4625	.42	.42	.42	.42	.42
21.5250	.42	.42	.42	.42	.41
21.5875	.41	.41	.41	.41	.41
21.6500	.41	.41	.41	.41	.41
21.7125	.41	.41	.41	.41	.41
21.7750	.41	.41	.41	.41	.41
21.8375	.41	.41	.40	.40	.40
21.9000	.40	.40	.40	.40	.40
21.9625	.40	.40	.40	.40	.40
22.0250	.40	.40	.40	.40	.40
22.0875	.39	.39	.39	.39	.39
22.1500	.39	.39	.39	.39	.39
22.2125	.39	.39	.39	.39	.39
22.2750	.39	.39	.39	.39	.38
22.3375	.38	.38	.38	.38	.38

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4000	.38	.38	.38	.38	.38
22.4625	.38	.38	.38	.38	.38
22.5250	.38	.38	.38	.38	.37
22.5875	.37	.37	.37	.37	.37
22.6500	.37	.37	.37	.37	.37
22.7125	.37	.37	.37	.37	.37
22.7750	.37	.37	.37	.37	.36
22.8375	.36	.36	.36	.36	.36
22.9000	.36	.36	.36	.36	.36
22.9625	.36	.36	.36	.36	.36
23.0250	.36	.36	.36	.36	.35
23.0875	.35	.35	.35	.35	.35
23.1500	.35	.35	.35	.35	.35
23.2125	.35	.35	.35	.35	.35
23.2750	.35	.35	.35	.34	.34
23.3375	.34	.34	.34	.34	.34
23.4000	.34	.34	.34	.34	.34
23.4625	.34	.34	.34	.34	.34
23.5250	.34	.34	.34	.33	.33
23.5875	.33	.33	.33	.33	.33
23.6500	.33	.33	.33	.33	.33
23.7125	.33	.33	.33	.33	.33
23.7750	.33	.33	.33	.32	.32
23.8375	.32	.32	.32	.32	.32
23.9000	.32	.32	.32	.32	.32
23.9625	.32	.32	.32	.32	.31
24.0250	.31	.31	.30	.30	.28
24.0875	.27	.25	.23	.20	.18
24.1500	.16	.14	.12	.10	.09
24.2125	.07	.06	.05	.04	.04
24.2750	.03	.03	.02	.02	.02
24.3375	.01	.01	.01	.01	.01
24.4000	.01	.00	.00	.00	.00
24.4625	.00	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-3 IN 10
Outflow HYG file = work_pad.hyg - WQBASIN CC-3 OUT 10

Pond Node Data = WQBASIN CC-3
Pond Volume Data = WQBASIN CC-3
Pond Outlet Data = WQB CC-3 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = .00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 43.61 cfs at 12.1375 hrs
Peak Outflow = 43.49 cfs at 12.1375 hrs

Peak Elevation = 5.26 ft
Peak Storage = 44681 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 184760
- Infiltration = 0
- HYG Vol OUT = 142259
- Retained Vol = 42500

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 OUT

HYG Tag = 10

 Peak Discharge = 43.49 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 142259 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	Output	Output	Output	Output	Output
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.00	.00	.00
11.2750	.00	.00	.00	.00	.00
11.3375	.00	.00	.00	.00	.00
11.4000	.00	.00	.00	.00	.00
11.4625	.00	.00	.00	.00	.00
11.5250	.00	.00	.00	.00	.00
11.5875	.00	.00	.00	.00	.00
11.6500	.00	.00	.00	.80	4.60
11.7125	6.97	8.52	9.62	10.50	11.61
11.7750	12.36	13.00	13.60	14.18	14.77
11.8375	15.35	15.95	16.55	17.17	17.79
11.9000	18.43	19.11	19.85	20.72	21.75
11.9625	23.00	24.49	26.19	28.08	30.14
12.0250	32.40	34.38	36.21	37.89	39.38
12.0875	40.68	41.75	42.60	43.18	43.49
12.1500	43.48	43.10	42.35	41.27	39.93
12.2125	38.42	36.82	35.19	33.56	31.98
12.2750	30.49	29.17	28.06	26.95	25.90
12.3375	24.92	23.98	23.09	22.22	21.39
12.4000	20.60	19.83	19.10	18.38	17.68
12.4625	16.98	16.29	15.60	14.92	14.26
12.5250	13.62	13.00	12.41	11.84	11.29
12.5875	10.76	10.32	10.00	9.63	9.26
12.6500	8.90	8.56	8.24	7.96	7.70
12.7125	7.47	7.27	7.09	6.92	6.77

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7750	6.64	6.51	6.39	6.28	6.18
12.8375	6.09	6.00	5.91	5.83	5.75
12.9000	5.67	5.59	5.52	5.44	5.37
12.9625	5.30	5.23	5.16	5.09	5.03
13.0250	4.96	4.89	4.83	4.77	4.71
13.0875	4.65	4.60	4.55	4.50	4.45
13.1500	4.40	4.36	4.32	4.29	4.25
13.2125	4.22	4.19	4.17	4.14	4.12
13.2750	4.09	4.07	4.05	4.03	4.01
13.3375	3.99	3.97	3.95	3.93	3.91
13.4000	3.89	3.87	3.86	3.84	3.82
13.4625	3.80	3.79	3.77	3.75	3.73
13.5250	3.72	3.70	3.68	3.67	3.65
13.5875	3.63	3.61	3.60	3.58	3.56
13.6500	3.54	3.53	3.51	3.49	3.48
13.7125	3.46	3.44	3.42	3.41	3.39
13.7750	3.37	3.36	3.34	3.32	3.30
13.8375	3.29	3.27	3.25	3.24	3.22
13.9000	3.20	3.18	3.17	3.15	3.13
13.9625	3.11	3.10	3.08	3.06	3.04
14.0250	3.03	3.01	2.99	2.98	2.96
14.0875	2.95	2.93	2.92	2.90	2.89
14.1500	2.87	2.86	2.85	2.84	2.83
14.2125	2.82	2.81	2.80	2.79	2.78
14.2750	2.77	2.76	2.75	2.74	2.73
14.3375	2.72	2.71	2.70	2.70	2.69
14.4000	2.68	2.67	2.66	2.65	2.65
14.4625	2.64	2.63	2.62	2.61	2.60
14.5250	2.60	2.59	2.58	2.57	2.56
14.5875	2.55	2.55	2.54	2.53	2.52
14.6500	2.51	2.50	2.50	2.49	2.48
14.7125	2.47	2.46	2.45	2.45	2.44
14.7750	2.43	2.42	2.41	2.41	2.40
14.8375	2.39	2.38	2.37	2.36	2.36
14.9000	2.35	2.34	2.33	2.32	2.31
14.9625	2.31	2.30	2.29	2.28	2.27
15.0250	2.26	2.26	2.25	2.24	2.23
15.0875	2.22	2.22	2.21	2.20	2.19
15.1500	2.18	2.17	2.16	2.16	2.15
15.2125	2.14	2.13	2.12	2.12	2.11
15.2750	2.10	2.09	2.08	2.07	2.07
15.3375	2.06	2.05	2.04	2.03	2.02
15.4000	2.02	2.01	2.00	1.99	1.98
15.4625	1.97	1.97	1.96	1.95	1.94
15.5250	1.93	1.92	1.92	1.91	1.90

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5875	1.89	1.88	1.87	1.87	1.86
15.6500	1.85	1.84	1.83	1.83	1.82
15.7125	1.81	1.80	1.79	1.78	1.77
15.7750	1.77	1.76	1.75	1.74	1.73
15.8375	1.73	1.72	1.71	1.70	1.69
15.9000	1.68	1.68	1.67	1.66	1.65
15.9625	1.64	1.63	1.63	1.62	1.61
16.0250	1.60	1.59	1.59	1.58	1.57
16.0875	1.56	1.56	1.55	1.54	1.54
16.1500	1.53	1.52	1.52	1.51	1.51
16.2125	1.50	1.50	1.49	1.49	1.48
16.2750	1.48	1.47	1.47	1.47	1.46
16.3375	1.46	1.46	1.45	1.45	1.44
16.4000	1.44	1.44	1.43	1.43	1.42
16.4625	1.42	1.42	1.41	1.41	1.41
16.5250	1.40	1.40	1.40	1.39	1.39
16.5875	1.39	1.38	1.38	1.37	1.37
16.6500	1.37	1.36	1.36	1.36	1.35
16.7125	1.35	1.35	1.34	1.34	1.34
16.7750	1.33	1.33	1.32	1.32	1.32
16.8375	1.31	1.31	1.31	1.30	1.30
16.9000	1.29	1.29	1.29	1.28	1.28
16.9625	1.28	1.27	1.27	1.27	1.26
17.0250	1.26	1.25	1.25	1.25	1.24
17.0875	1.24	1.24	1.23	1.23	1.23
17.1500	1.22	1.22	1.22	1.21	1.21
17.2125	1.20	1.20	1.20	1.19	1.19
17.2750	1.19	1.18	1.18	1.18	1.17
17.3375	1.17	1.17	1.16	1.16	1.15
17.4000	1.15	1.15	1.14	1.14	1.14
17.4625	1.13	1.13	1.12	1.12	1.12
17.5250	1.11	1.11	1.11	1.10	1.10
17.5875	1.10	1.09	1.09	1.08	1.08
17.6500	1.08	1.07	1.07	1.07	1.06
17.7125	1.06	1.06	1.05	1.05	1.05
17.7750	1.04	1.04	1.03	1.03	1.03
17.8375	1.02	1.02	1.02	1.01	1.01
17.9000	1.00	1.00	1.00	.99	.99
17.9625	.99	.98	.98	.98	.97
18.0250	.97	.97	.96	.96	.95
18.0875	.95	.95	.95	.94	.94
18.1500	.94	.93	.93	.93	.93
18.2125	.93	.93	.92	.92	.92
18.2750	.92	.92	.92	.92	.92
18.3375	.91	.91	.91	.91	.91

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4000	.91	.91	.91	.91	.90
18.4625	.90	.90	.90	.90	.90
18.5250	.90	.90	.89	.89	.89
18.5875	.89	.89	.89	.89	.89
18.6500	.89	.89	.88	.88	.88
18.7125	.88	.88	.88	.88	.88
18.7750	.88	.87	.87	.87	.87
18.8375	.87	.87	.87	.87	.87
18.9000	.86	.86	.86	.86	.86
18.9625	.86	.86	.86	.86	.85
19.0250	.85	.85	.85	.85	.85
19.0875	.85	.85	.85	.85	.84
19.1500	.84	.84	.84	.84	.84
19.2125	.84	.84	.84	.83	.83
19.2750	.83	.83	.83	.83	.83
19.3375	.83	.83	.82	.82	.82
19.4000	.82	.82	.82	.82	.82
19.4625	.82	.82	.81	.81	.81
19.5250	.81	.81	.81	.81	.81
19.5875	.80	.80	.80	.80	.80
19.6500	.80	.80	.80	.80	.80
19.7125	.79	.79	.79	.79	.79
19.7750	.79	.79	.79	.79	.78
19.8375	.78	.78	.78	.78	.78
19.9000	.78	.78	.78	.77	.77
19.9625	.77	.77	.77	.77	.77
20.0250	.77	.77	.77	.76	.76
20.0875	.76	.76	.76	.76	.76
20.1500	.76	.76	.75	.75	.75
20.2125	.75	.75	.75	.75	.75
20.2750	.75	.75	.75	.75	.75
20.3375	.74	.74	.74	.74	.74
20.4000	.74	.74	.74	.74	.74
20.4625	.74	.73	.73	.73	.73
20.5250	.73	.73	.73	.73	.73
20.5875	.73	.73	.73	.73	.72
20.6500	.72	.72	.72	.72	.72
20.7125	.72	.72	.72	.72	.71
20.7750	.71	.71	.71	.71	.71
20.8375	.71	.71	.71	.71	.71
20.9000	.71	.71	.71	.70	.70
20.9625	.70	.70	.70	.70	.70
21.0250	.70	.70	.70	.70	.70
21.0875	.70	.70	.69	.69	.69
21.1500	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2125	.69	.69	.68	.68	.68
21.2750	.68	.68	.68	.68	.68
21.3375	.68	.68	.68	.68	.68
21.4000	.67	.67	.67	.67	.67
21.4625	.67	.67	.67	.67	.67
21.5250	.67	.66	.66	.66	.66
21.5875	.66	.66	.66	.66	.66
21.6500	.66	.66	.66	.66	.65
21.7125	.65	.65	.65	.65	.65
21.7750	.65	.65	.65	.65	.65
21.8375	.65	.65	.65	.64	.64
21.9000	.64	.64	.64	.64	.64
21.9625	.64	.64	.64	.64	.63
22.0250	.63	.63	.63	.63	.63
22.0875	.63	.63	.63	.63	.63
22.1500	.63	.62	.62	.62	.62
22.2125	.62	.62	.62	.62	.62
22.2750	.62	.62	.62	.61	.61
22.3375	.61	.61	.61	.61	.61
22.4000	.61	.61	.61	.61	.61
22.4625	.61	.60	.60	.60	.60
22.5250	.60	.60	.60	.60	.60
22.5875	.60	.60	.60	.59	.59
22.6500	.59	.59	.59	.59	.59
22.7125	.59	.59	.59	.59	.59
22.7750	.59	.58	.58	.58	.58
22.8375	.58	.58	.58	.58	.58
22.9000	.58	.58	.57	.57	.57
22.9625	.57	.57	.57	.57	.57
23.0250	.57	.57	.57	.57	.57
23.0875	.56	.56	.56	.56	.56
23.1500	.56	.56	.56	.56	.56
23.2125	.56	.55	.55	.55	.55
23.2750	.55	.55	.55	.55	.55
23.3375	.55	.55	.55	.55	.54
23.4000	.54	.54	.54	.54	.54
23.4625	.54	.54	.54	.54	.54
23.5250	.54	.54	.53	.53	.53
23.5875	.53	.53	.53	.53	.53
23.6500	.53	.53	.53	.53	.52
23.7125	.52	.52	.52	.52	.52
23.7750	.52	.52	.52	.52	.52
23.8375	.52	.52	.51	.51	.51
23.9000	.51	.51	.51	.51	.51
23.9625	.51	.50	.50	.50	.50

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0250	.50	.49	.48	.47	.45
24.0875	.43	.40	.36	.33	.29
24.1500	.25	.22	.19	.16	.14
24.2125	.11	.10	.08	.07	.06
24.2750	.05	.04	.03	.03	.02
24.3375	.02	.02	.01	.01	.01
24.4000	.01	.01	.01	.00	.00
24.4625	.00	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-3 IN 25
Outflow HYG file = work_pad.hyg - WQBASIN CC-3 OUT 25

Pond Node Data = WQBASIN CC-3
Pond Volume Data = WQBASIN CC-3
Pond Outlet Data = WQB CC-3 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = .00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 52.06 cfs at 12.1375 hrs
Peak Outflow = 51.92 cfs at 12.1375 hrs

Peak Elevation = 5.29 ft
Peak Storage = 44971 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 222865
- Infiltration = 0
- HYG Vol OUT = 180364
- Retained Vol = 42500

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 OUT

HYG Tag = 25

 Peak Discharge = 51.92 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 180364 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

2.0500	.00	.00	.00	.00	.00
2.1125	.00	.00	.00	.00	.00
2.1750	.00	.00	.00	.00	.00
2.2375	.00	.00	.00	.00	.00
2.3000	.00	.00	.00	.00	.00
2.3625	.00	.00	.00	.00	.00
2.4250	.00	.00	.00	.00	.00
2.4875	.00	.00	.00	.00	.00
2.5500	.00	.00	.00	.00	.00
2.6125	.00	.00	.00	.00	.00
2.6750	.00	.00	.00	.00	.00
2.7375	.00	.00	.00	.00	.00
2.8000	.00	.00	.00	.00	.00
2.8625	.00	.00	.00	.00	.00
2.9250	.00	.00	.00	.00	.00
2.9875	.00	.00	.00	.00	.00
3.0500	.00	.00	.00	.00	.00
3.1125	.00	.00	.00	.00	.00
3.1750	.00	.00	.00	.00	.00
3.2375	.00	.00	.00	.00	.00
3.3000	.00	.00	.00	.00	.00
3.3625	.00	.00	.00	.00	.00
3.4250	.00	.00	.00	.00	.00
3.4875	.00	.00	.00	.00	.00
3.5500	.00	.00	.00	.00	.00
3.6125	.00	.00	.00	.00	.00
3.6750	.00	.00	.00	.00	.00
3.7375	.00	.00	.00	.00	.00
3.8000	.00	.00	.00	.00	.00
3.8625	.00	.00	.00	.00	.00
3.9250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
3.9875	.00	.00	.00	.00	.00
4.0500	.00	.00	.00	.00	.00
4.1125	.00	.00	.00	.00	.00
4.1750	.00	.00	.00	.00	.00
4.2375	.00	.00	.00	.00	.00
4.3000	.00	.00	.00	.00	.00
4.3625	.00	.00	.00	.00	.00
4.4250	.00	.00	.00	.00	.00
4.4875	.00	.00	.00	.00	.00
4.5500	.00	.00	.00	.00	.00
4.6125	.00	.00	.00	.00	.00
4.6750	.00	.00	.00	.00	.00
4.7375	.00	.00	.00	.00	.00
4.8000	.00	.00	.00	.00	.00
4.8625	.00	.00	.00	.00	.00
4.9250	.00	.00	.00	.00	.00
4.9875	.00	.00	.00	.00	.00
5.0500	.00	.00	.00	.00	.00
5.1125	.00	.00	.00	.00	.00
5.1750	.00	.00	.00	.00	.00
5.2375	.00	.00	.00	.00	.00
5.3000	.00	.00	.00	.00	.00
5.3625	.00	.00	.00	.00	.00
5.4250	.00	.00	.00	.00	.00
5.4875	.00	.00	.00	.00	.00
5.5500	.00	.00	.00	.00	.00
5.6125	.00	.00	.00	.00	.00
5.6750	.00	.00	.00	.00	.00
5.7375	.00	.00	.00	.00	.00
5.8000	.00	.00	.00	.00	.00
5.8625	.00	.00	.00	.00	.00
5.9250	.00	.00	.00	.00	.00
5.9875	.00	.00	.00	.00	.00
6.0500	.00	.00	.00	.00	.00
6.1125	.00	.00	.00	.00	.00
6.1750	.00	.00	.00	.00	.00
6.2375	.00	.00	.00	.00	.00
6.3000	.00	.00	.00	.00	.00
6.3625	.00	.00	.00	.00	.00
6.4250	.00	.00	.00	.00	.00
6.4875	.00	.00	.00	.00	.00
6.5500	.00	.00	.00	.00	.00
6.6125	.00	.00	.00	.00	.00
6.6750	.00	.00	.00	.00	.00
6.7375	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.8000	.00	.00	.00	.00	.00
6.8625	.00	.00	.00	.00	.00
6.9250	.00	.00	.00	.00	.00
6.9875	.00	.00	.00	.00	.00
7.0500	.00	.00	.00	.00	.00
7.1125	.00	.00	.00	.00	.00
7.1750	.00	.00	.00	.00	.00
7.2375	.00	.00	.00	.00	.00
7.3000	.00	.00	.00	.00	.00
7.3625	.00	.00	.00	.00	.00
7.4250	.00	.00	.00	.00	.00
7.4875	.00	.00	.00	.00	.00
7.5500	.00	.00	.00	.00	.00
7.6125	.00	.00	.00	.00	.00
7.6750	.00	.00	.00	.00	.00
7.7375	.00	.00	.00	.00	.00
7.8000	.00	.00	.00	.00	.00
7.8625	.00	.00	.00	.00	.00
7.9250	.00	.00	.00	.00	.00
7.9875	.00	.00	.00	.00	.00
8.0500	.00	.00	.00	.00	.00
8.1125	.00	.00	.00	.00	.00
8.1750	.00	.00	.00	.00	.00
8.2375	.00	.00	.00	.00	.00
8.3000	.00	.00	.00	.00	.00
8.3625	.00	.00	.00	.00	.00
8.4250	.00	.00	.00	.00	.00
8.4875	.00	.00	.00	.00	.00
8.5500	.00	.00	.00	.00	.00
8.6125	.00	.00	.00	.00	.00
8.6750	.00	.00	.00	.00	.00
8.7375	.00	.00	.00	.00	.00
8.8000	.00	.00	.00	.00	.00
8.8625	.00	.00	.00	.00	.00
8.9250	.00	.00	.00	.00	.00
8.9875	.00	.00	.00	.00	.00
9.0500	.00	.00	.00	.00	.00
9.1125	.00	.00	.00	.00	.00
9.1750	.00	.00	.00	.00	.00
9.2375	.00	.00	.00	.00	.00
9.3000	.00	.00	.00	.00	.00
9.3625	.00	.00	.00	.00	.00
9.4250	.00	.00	.00	.00	.00
9.4875	.00	.00	.00	.00	.00
9.5500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.6125	.00	.00	.00	.00	.00
9.6750	.00	.00	.00	.00	.00
9.7375	.00	.00	.00	.00	.00
9.8000	.00	.00	.00	.00	.00
9.8625	.00	.00	.00	.00	.00
9.9250	.00	.00	.00	.00	.00
9.9875	.00	.00	.00	.00	.00
10.0500	.00	.00	.00	.00	.00
10.1125	.00	.00	.00	.00	.00
10.1750	.00	.00	.00	.00	.00
10.2375	.00	.00	.00	.00	.00
10.3000	.00	.00	.00	.00	.00
10.3625	.00	.00	.00	.00	.00
10.4250	.00	.00	.00	.00	.00
10.4875	.00	.00	.00	.00	.00
10.5500	.00	.00	.00	.00	.00
10.6125	.00	.00	.00	.00	.00
10.6750	.00	.00	.00	.00	.00
10.7375	.00	.00	.00	.00	.00
10.8000	.00	.00	.00	.00	.00
10.8625	.00	.00	.00	.00	.00
10.9250	.00	.00	.00	.00	.00
10.9875	.00	.00	.00	.00	.00
11.0500	.00	.00	.00	.00	.00
11.1125	.00	.00	.00	.00	.00
11.1750	.00	.00	.00	.00	.00
11.2375	.00	.00	1.16	3.00	4.07
11.3000	4.71	5.11	5.37	5.54	5.67
11.3625	5.78	5.88	5.96	6.05	6.13
11.4250	6.20	6.28	6.36	6.43	6.51
11.4875	6.59	6.67	6.75	6.85	6.95
11.5500	7.07	7.22	7.40	7.60	7.84
11.6125	8.10	8.39	8.70	9.06	9.45
11.6750	9.89	10.37	11.13	11.81	12.43
11.7375	13.04	13.67	14.33	15.00	15.69
11.8000	16.38	17.08	17.77	18.47	19.18
11.8625	19.90	20.63	21.38	22.14	22.95
11.9250	23.84	24.87	26.10	27.58	29.36
11.9875	31.73	34.12	36.50	38.88	41.17
12.0500	43.33	45.31	47.08	48.62	49.88
12.1125	50.88	51.57	51.92	51.89	51.43
12.1750	50.52	49.22	47.62	45.81	43.90
12.2375	41.94	40.00	38.10	36.32	34.67
12.3000	33.17	31.81	30.56	29.42	28.47
12.3625	27.45	26.44	25.46	24.51	23.60

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.4250	22.72	21.87	21.03	20.20	19.37
12.4875	18.55	17.74	16.95	16.19	15.46
12.5500	14.76	14.08	13.42	12.79	12.20
12.6125	11.65	11.13	10.66	10.30	10.02
12.6750	9.71	9.41	9.12	8.86	8.63
12.7375	8.41	8.22	8.05	7.88	7.73
12.8000	7.60	7.47	7.35	7.23	7.13
12.8625	7.02	6.92	6.83	6.73	6.64
12.9250	6.55	6.47	6.38	6.30	6.22
12.9875	6.13	6.05	5.97	5.89	5.81
13.0500	5.74	5.67	5.60	5.53	5.46
13.1125	5.40	5.34	5.28	5.23	5.18
13.1750	5.13	5.09	5.05	5.01	4.98
13.2375	4.95	4.92	4.89	4.86	4.83
13.3000	4.81	4.78	4.76	4.73	4.71
13.3625	4.69	4.67	4.64	4.62	4.60
13.4250	4.58	4.56	4.54	4.52	4.50
13.4875	4.48	4.45	4.43	4.41	4.39
13.5500	4.37	4.35	4.33	4.31	4.29
13.6125	4.27	4.25	4.23	4.21	4.19
13.6750	4.17	4.15	4.13	4.11	4.09
13.7375	4.07	4.05	4.02	4.00	3.98
13.8000	3.96	3.94	3.92	3.90	3.88
13.8625	3.86	3.84	3.82	3.80	3.78
13.9250	3.76	3.74	3.72	3.70	3.68
13.9875	3.65	3.63	3.61	3.59	3.57
14.0500	3.55	3.53	3.52	3.50	3.48
14.1125	3.46	3.44	3.43	3.41	3.40
14.1750	3.38	3.37	3.35	3.34	3.33
14.2375	3.32	3.31	3.30	3.28	3.27
14.3000	3.26	3.25	3.24	3.23	3.22
14.3625	3.21	3.20	3.19	3.18	3.17
14.4250	3.16	3.15	3.14	3.13	3.12
14.4875	3.11	3.10	3.09	3.08	3.07
14.5500	3.06	3.05	3.04	3.03	3.02
14.6125	3.01	3.00	2.99	2.98	2.97
14.6750	2.96	2.95	2.94	2.93	2.92
14.7375	2.91	2.90	2.89	2.88	2.87
14.8000	2.86	2.85	2.84	2.83	2.83
14.8625	2.82	2.81	2.80	2.79	2.78
14.9250	2.77	2.76	2.75	2.74	2.73
14.9875	2.72	2.71	2.70	2.69	2.68
15.0500	2.67	2.66	2.65	2.64	2.63
15.1125	2.62	2.61	2.60	2.59	2.58
15.1750	2.57	2.56	2.55	2.54	2.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2375	2.52	2.51	2.50	2.49	2.48
15.3000	2.47	2.46	2.45	2.44	2.43
15.3625	2.42	2.41	2.40	2.39	2.38
15.4250	2.37	2.36	2.35	2.34	2.33
15.4875	2.32	2.31	2.30	2.29	2.28
15.5500	2.27	2.26	2.25	2.24	2.23
15.6125	2.22	2.21	2.20	2.20	2.19
15.6750	2.18	2.17	2.16	2.15	2.14
15.7375	2.13	2.12	2.11	2.10	2.09
15.8000	2.08	2.07	2.06	2.05	2.04
15.8625	2.03	2.02	2.01	2.00	1.99
15.9250	1.98	1.97	1.96	1.95	1.94
15.9875	1.93	1.92	1.91	1.90	1.89
16.0500	1.88	1.87	1.86	1.85	1.85
16.1125	1.84	1.83	1.82	1.81	1.81
16.1750	1.80	1.79	1.79	1.78	1.78
16.2375	1.77	1.76	1.76	1.75	1.75
16.3000	1.74	1.74	1.73	1.73	1.73
16.3625	1.72	1.72	1.71	1.71	1.70
16.4250	1.70	1.69	1.69	1.69	1.68
16.4875	1.68	1.67	1.67	1.66	1.66
16.5500	1.66	1.65	1.65	1.64	1.64
16.6125	1.63	1.63	1.63	1.62	1.62
16.6750	1.61	1.61	1.60	1.60	1.60
16.7375	1.59	1.59	1.58	1.58	1.58
16.8000	1.57	1.57	1.56	1.56	1.55
16.8625	1.55	1.54	1.54	1.54	1.53
16.9250	1.53	1.52	1.52	1.51	1.51
16.9875	1.51	1.50	1.50	1.49	1.49
17.0500	1.48	1.48	1.47	1.47	1.47
17.1125	1.46	1.46	1.45	1.45	1.45
17.1750	1.44	1.44	1.43	1.43	1.42
17.2375	1.42	1.42	1.41	1.41	1.40
17.3000	1.40	1.39	1.39	1.39	1.38
17.3625	1.38	1.37	1.37	1.36	1.36
17.4250	1.36	1.35	1.35	1.34	1.34
17.4875	1.33	1.33	1.33	1.32	1.32
17.5500	1.31	1.31	1.30	1.30	1.30
17.6125	1.29	1.29	1.28	1.28	1.27
17.6750	1.27	1.26	1.26	1.26	1.25
17.7375	1.25	1.24	1.24	1.24	1.23
17.8000	1.23	1.22	1.22	1.21	1.21
17.8625	1.20	1.20	1.20	1.19	1.19
17.9250	1.18	1.18	1.18	1.17	1.17
17.9875	1.16	1.16	1.15	1.15	1.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0500	1.14	1.14	1.13	1.13	1.12
18.1125	1.12	1.12	1.11	1.11	1.11
18.1750	1.11	1.10	1.10	1.10	1.10
18.2375	1.10	1.09	1.09	1.09	1.09
18.3000	1.09	1.09	1.09	1.08	1.08
18.3625	1.08	1.08	1.08	1.08	1.08
18.4250	1.07	1.07	1.07	1.07	1.07
18.4875	1.07	1.07	1.07	1.06	1.06
18.5500	1.06	1.06	1.06	1.06	1.06
18.6125	1.05	1.05	1.05	1.05	1.05
18.6750	1.05	1.05	1.05	1.04	1.04
18.7375	1.04	1.04	1.04	1.04	1.04
18.8000	1.04	1.03	1.03	1.03	1.03
18.8625	1.03	1.03	1.03	1.03	1.02
18.9250	1.02	1.02	1.02	1.02	1.02
18.9875	1.02	1.01	1.01	1.01	1.01
19.0500	1.01	1.01	1.01	1.01	1.01
19.1125	1.00	1.00	1.00	1.00	1.00
19.1750	1.00	1.00	.99	.99	.99
19.2375	.99	.99	.99	.99	.99
19.3000	.98	.98	.98	.98	.98
19.3625	.98	.98	.97	.97	.97
19.4250	.97	.97	.97	.97	.97
19.4875	.97	.96	.96	.96	.96
19.5500	.96	.96	.96	.95	.95
19.6125	.95	.95	.95	.95	.95
19.6750	.95	.94	.94	.94	.94
19.7375	.94	.94	.94	.93	.93
19.8000	.93	.93	.93	.93	.93
19.8625	.93	.93	.92	.92	.92
19.9250	.92	.92	.92	.92	.91
19.9875	.91	.91	.91	.91	.91
20.0500	.91	.91	.90	.90	.90
20.1125	.90	.90	.90	.90	.90
20.1750	.89	.89	.89	.89	.89
20.2375	.89	.89	.89	.89	.89
20.3000	.89	.89	.88	.88	.88
20.3625	.88	.88	.88	.88	.88
20.4250	.87	.87	.87	.87	.87
20.4875	.87	.87	.87	.87	.87
20.5500	.87	.86	.86	.86	.86
20.6125	.86	.86	.86	.86	.86
20.6750	.86	.85	.85	.85	.85
20.7375	.85	.85	.85	.85	.85
20.8000	.84	.84	.84	.84	.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8625	.84	.84	.84	.84	.84
20.9250	.84	.83	.83	.83	.83
20.9875	.83	.83	.83	.83	.83
21.0500	.83	.83	.83	.83	.82
21.1125	.82	.82	.82	.82	.82
21.1750	.82	.82	.82	.81	.81
21.2375	.81	.81	.81	.81	.81
21.3000	.81	.81	.81	.80	.80
21.3625	.80	.80	.80	.80	.80
21.4250	.80	.80	.80	.80	.79
21.4875	.79	.79	.79	.79	.79
21.5500	.79	.79	.78	.78	.78
21.6125	.78	.78	.78	.78	.78
21.6750	.78	.78	.78	.78	.77
21.7375	.77	.77	.77	.77	.77
21.8000	.77	.77	.77	.77	.77
21.8625	.77	.76	.76	.76	.76
21.9250	.76	.76	.76	.76	.76
21.9875	.75	.75	.75	.75	.75
22.0500	.75	.75	.75	.75	.75
22.1125	.74	.74	.74	.74	.74
22.1750	.74	.74	.74	.74	.74
22.2375	.74	.73	.73	.73	.73
22.3000	.73	.73	.73	.73	.72
22.3625	.72	.72	.72	.72	.72
22.4250	.72	.72	.72	.72	.72
22.4875	.72	.71	.71	.71	.71
22.5500	.71	.71	.71	.71	.71
22.6125	.71	.71	.70	.70	.70
22.6750	.70	.70	.70	.70	.70
22.7375	.70	.70	.69	.69	.69
22.8000	.69	.69	.69	.69	.69
22.8625	.69	.69	.68	.68	.68
22.9250	.68	.68	.68	.68	.68
22.9875	.68	.68	.68	.67	.67
23.0500	.67	.67	.67	.67	.67
23.1125	.67	.67	.66	.66	.66
23.1750	.66	.66	.66	.66	.66
23.2375	.66	.66	.66	.65	.65
23.3000	.65	.65	.65	.65	.65
23.3625	.65	.65	.65	.64	.64
23.4250	.64	.64	.64	.64	.64
23.4875	.64	.64	.64	.64	.64
23.5500	.63	.63	.63	.63	.63
23.6125	.63	.63	.63	.63	.62

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.6750	.62	.62	.62	.62	.62
23.7375	.62	.62	.62	.62	.62
23.8000	.61	.61	.61	.61	.61
23.8625	.61	.61	.61	.61	.60
23.9250	.60	.60	.60	.60	.60
23.9875	.60	.60	.60	.59	.59
24.0500	.57	.56	.53	.50	.47
24.1125	.43	.39	.34	.30	.26
24.1750	.22	.19	.16	.14	.11
24.2375	.10	.08	.07	.06	.05
24.3000	.04	.03	.03	.02	.02
24.3625	.02	.01	.01	.01	.01
24.4250	.01	.01	.00	.00	.00
24.4875	.00	.00	.00		

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-3 IN 50
Outflow HYG file = work_pad.hyg - WQBASIN CC-3 OUT 50

Pond Node Data = WQBASIN CC-3
Pond Volume Data = WQBASIN CC-3
Pond Outlet Data = WQB CC-3 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = .00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 56.26 cfs at 12.1375 hrs
Peak Outflow = 56.18 cfs at 12.1375 hrs

Peak Elevation = 5.31 ft
Peak Storage = 45107 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 241954
- Infiltration = 0
- HYG Vol OUT = 199454
- Retained Vol = 42500

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 OUT

HYG Tag = 50

 Peak Discharge = 56.18 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 199454 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

1.9000	.00	.00	.00	.00	.00
1.9625	.00	.00	.00	.00	.00
2.0250	.00	.00	.00	.00	.00
2.0875	.00	.00	.00	.00	.00
2.1500	.00	.00	.00	.00	.00
2.2125	.00	.00	.00	.00	.00
2.2750	.00	.00	.00	.00	.00
2.3375	.00	.00	.00	.00	.00
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.20
11.0250	2.19	3.33	3.99	4.38	4.62
11.0875	4.77	4.87	4.95	5.01	5.07
11.1500	5.12	5.18	5.24	5.30	5.36
11.2125	5.43	5.49	5.56	5.63	5.71
11.2750	5.78	5.86	5.94	6.02	6.10
11.3375	6.17	6.25	6.33	6.42	6.50
11.4000	6.58	6.66	6.75	6.83	6.91
11.4625	6.99	7.08	7.16	7.25	7.34
11.5250	7.44	7.55	7.68	7.84	8.04
11.5875	8.26	8.51	8.80	9.11	9.45
11.6500	9.83	10.26	10.90	11.60	12.23
11.7125	12.86	13.50	14.16	14.83	15.54
11.7750	16.27	17.01	17.77	18.52	19.27
11.8375	20.02	20.79	21.57	22.36	23.17
11.9000	23.99	24.86	25.82	26.94	28.26
11.9625	29.93	32.15	34.45	36.95	39.50
12.0250	42.07	44.54	46.87	49.01	50.92
12.0875	52.57	53.94	55.09	55.83	56.18
12.1500	56.09	55.52	54.48	53.14	51.44
12.2125	49.49	47.42	45.30	43.20	41.15

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2750	39.23	37.45	35.82	34.35	33.00
12.3375	31.74	30.55	29.42	28.48	27.46
12.4000	26.45	25.47	24.52	23.61	22.70
12.4625	21.81	20.91	20.02	19.15	18.30
12.5250	17.48	16.69	15.93	15.19	14.48
12.5875	13.81	13.17	12.57	12.02	11.51
12.6500	11.04	10.61	10.30	10.05	9.79
12.7125	9.53	9.29	9.07	8.87	8.68
12.7750	8.50	8.34	8.19	8.06	7.93
12.8375	7.80	7.69	7.58	7.47	7.37
12.9000	7.26	7.17	7.07	6.98	6.89
12.9625	6.80	6.71	6.62	6.53	6.44
13.0250	6.36	6.27	6.19	6.11	6.04
13.0875	5.96	5.89	5.83	5.76	5.70
13.1500	5.64	5.59	5.54	5.49	5.45
13.2125	5.41	5.37	5.34	5.30	5.27
13.2750	5.24	5.21	5.19	5.16	5.13
13.3375	5.11	5.08	5.06	5.03	5.01
13.4000	4.99	4.96	4.94	4.92	4.90
13.4625	4.87	4.85	4.83	4.81	4.78
13.5250	4.76	4.74	4.72	4.69	4.67
13.5875	4.65	4.63	4.61	4.58	4.56
13.6500	4.54	4.52	4.50	4.47	4.45
13.7125	4.43	4.41	4.39	4.36	4.34
13.7750	4.32	4.30	4.27	4.25	4.23
13.8375	4.21	4.19	4.17	4.14	4.12
13.9000	4.10	4.08	4.05	4.03	4.01
13.9625	3.99	3.96	3.94	3.92	3.90
14.0250	3.88	3.85	3.83	3.81	3.79
14.0875	3.77	3.75	3.73	3.71	3.70
14.1500	3.68	3.66	3.65	3.63	3.62
14.2125	3.60	3.59	3.58	3.57	3.55
14.2750	3.54	3.53	3.52	3.51	3.50
14.3375	3.48	3.47	3.46	3.45	3.44
14.4000	3.43	3.42	3.41	3.40	3.39
14.4625	3.38	3.37	3.36	3.34	3.33
14.5250	3.32	3.31	3.30	3.29	3.28
14.5875	3.27	3.26	3.25	3.24	3.23
14.6500	3.22	3.21	3.20	3.18	3.17
14.7125	3.16	3.15	3.14	3.13	3.12
14.7750	3.11	3.10	3.09	3.08	3.07
14.8375	3.06	3.05	3.04	3.03	3.02
14.9000	3.00	2.99	2.98	2.97	2.96
14.9625	2.95	2.94	2.93	2.92	2.91
15.0250	2.90	2.89	2.88	2.87	2.86

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0875	2.85	2.83	2.82	2.81	2.80
15.1500	2.79	2.78	2.77	2.76	2.75
15.2125	2.74	2.73	2.72	2.71	2.70
15.2750	2.69	2.68	2.66	2.65	2.64
15.3375	2.63	2.62	2.61	2.60	2.59
15.4000	2.58	2.57	2.56	2.55	2.54
15.4625	2.53	2.52	2.51	2.49	2.48
15.5250	2.47	2.46	2.45	2.44	2.43
15.5875	2.42	2.41	2.40	2.39	2.38
15.6500	2.37	2.36	2.35	2.34	2.32
15.7125	2.31	2.30	2.29	2.28	2.27
15.7750	2.26	2.25	2.24	2.23	2.22
15.8375	2.21	2.20	2.19	2.18	2.16
15.9000	2.15	2.14	2.13	2.12	2.11
15.9625	2.10	2.09	2.08	2.07	2.06
16.0250	2.05	2.04	2.03	2.02	2.01
16.0875	2.00	1.99	1.98	1.97	1.96
16.1500	1.96	1.95	1.94	1.93	1.93
16.2125	1.92	1.91	1.91	1.90	1.90
16.2750	1.89	1.89	1.88	1.88	1.87
16.3375	1.87	1.86	1.86	1.85	1.85
16.4000	1.84	1.84	1.83	1.83	1.82
16.4625	1.82	1.81	1.81	1.80	1.80
16.5250	1.79	1.79	1.79	1.78	1.78
16.5875	1.77	1.77	1.76	1.76	1.75
16.6500	1.75	1.74	1.74	1.73	1.73
16.7125	1.73	1.72	1.72	1.71	1.71
16.7750	1.70	1.70	1.69	1.69	1.68
16.8375	1.68	1.67	1.67	1.66	1.66
16.9000	1.66	1.65	1.65	1.64	1.64
16.9625	1.63	1.63	1.62	1.62	1.61
17.0250	1.61	1.60	1.60	1.60	1.59
17.0875	1.59	1.58	1.58	1.57	1.57
17.1500	1.56	1.56	1.55	1.55	1.55
17.2125	1.54	1.54	1.53	1.53	1.52
17.2750	1.52	1.51	1.51	1.50	1.50
17.3375	1.49	1.49	1.49	1.48	1.48
17.4000	1.47	1.47	1.46	1.46	1.45
17.4625	1.45	1.44	1.44	1.43	1.43
17.5250	1.42	1.42	1.42	1.41	1.41
17.5875	1.40	1.40	1.39	1.39	1.38
17.6500	1.38	1.37	1.37	1.36	1.36
17.7125	1.35	1.35	1.35	1.34	1.34
17.7750	1.33	1.33	1.32	1.32	1.31
17.8375	1.31	1.30	1.30	1.29	1.29

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9000	1.29	1.28	1.28	1.27	1.27
17.9625	1.26	1.26	1.25	1.25	1.24
18.0250	1.24	1.23	1.23	1.23	1.22
18.0875	1.22	1.21	1.21	1.21	1.20
18.1500	1.20	1.20	1.19	1.19	1.19
18.2125	1.19	1.18	1.18	1.18	1.18
18.2750	1.18	1.18	1.17	1.17	1.17
18.3375	1.17	1.17	1.17	1.16	1.16
18.4000	1.16	1.16	1.16	1.16	1.16
18.4625	1.15	1.15	1.15	1.15	1.15
18.5250	1.15	1.15	1.14	1.14	1.14
18.5875	1.14	1.14	1.14	1.14	1.13
18.6500	1.13	1.13	1.13	1.13	1.13
18.7125	1.13	1.13	1.12	1.12	1.12
18.7750	1.12	1.12	1.12	1.12	1.11
18.8375	1.11	1.11	1.11	1.11	1.11
18.9000	1.11	1.10	1.10	1.10	1.10
18.9625	1.10	1.10	1.10	1.09	1.09
19.0250	1.09	1.09	1.09	1.09	1.09
19.0875	1.09	1.08	1.08	1.08	1.08
19.1500	1.08	1.08	1.07	1.07	1.07
19.2125	1.07	1.07	1.07	1.07	1.07
19.2750	1.06	1.06	1.06	1.06	1.06
19.3375	1.06	1.06	1.05	1.05	1.05
19.4000	1.05	1.05	1.05	1.05	1.04
19.4625	1.04	1.04	1.04	1.04	1.04
19.5250	1.04	1.03	1.03	1.03	1.03
19.5875	1.03	1.03	1.03	1.03	1.02
19.6500	1.02	1.02	1.02	1.02	1.02
19.7125	1.02	1.01	1.01	1.01	1.01
19.7750	1.01	1.01	1.01	1.00	1.00
19.8375	1.00	1.00	1.00	1.00	1.00
19.9000	.99	.99	.99	.99	.99
19.9625	.99	.99	.98	.98	.98
20.0250	.98	.98	.98	.98	.98
20.0875	.97	.97	.97	.97	.97
20.1500	.97	.97	.96	.96	.96
20.2125	.96	.96	.96	.96	.96
20.2750	.96	.96	.96	.95	.95
20.3375	.95	.95	.95	.95	.95
20.4000	.95	.94	.94	.94	.94
20.4625	.94	.94	.94	.94	.94
20.5250	.93	.93	.93	.93	.93
20.5875	.93	.93	.93	.93	.93
20.6500	.93	.92	.92	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7125	.92	.92	.92	.91	.91
20.7750	.91	.91	.91	.91	.91
20.8375	.91	.91	.91	.91	.90
20.9000	.90	.90	.90	.90	.90
20.9625	.90	.90	.90	.90	.89
21.0250	.89	.89	.89	.89	.89
21.0875	.89	.89	.89	.89	.89
21.1500	.88	.88	.88	.88	.88
21.2125	.88	.88	.88	.87	.87
21.2750	.87	.87	.87	.87	.87
21.3375	.87	.87	.87	.86	.86
21.4000	.86	.86	.86	.86	.86
21.4625	.86	.86	.85	.85	.85
21.5250	.85	.85	.85	.85	.85
21.5875	.84	.84	.84	.84	.84
21.6500	.84	.84	.84	.84	.84
21.7125	.84	.83	.83	.83	.83
21.7750	.83	.83	.83	.83	.83
21.8375	.83	.83	.83	.82	.82
21.9000	.82	.82	.82	.82	.82
21.9625	.82	.81	.81	.81	.81
22.0250	.81	.81	.81	.81	.81
22.0875	.80	.80	.80	.80	.80
22.1500	.80	.80	.80	.80	.80
22.2125	.79	.79	.79	.79	.79
22.2750	.79	.79	.79	.79	.78
22.3375	.78	.78	.78	.78	.78
22.4000	.78	.78	.78	.77	.77
22.4625	.77	.77	.77	.77	.77
22.5250	.77	.77	.77	.76	.76
22.5875	.76	.76	.76	.76	.76
22.6500	.76	.76	.76	.76	.76
22.7125	.75	.75	.75	.75	.75
22.7750	.75	.75	.75	.74	.74
22.8375	.74	.74	.74	.74	.74
22.9000	.74	.74	.73	.73	.73
22.9625	.73	.73	.73	.73	.73
23.0250	.73	.73	.73	.72	.72
23.0875	.72	.72	.72	.72	.72
23.1500	.71	.71	.71	.71	.71
23.2125	.71	.71	.71	.71	.71
23.2750	.71	.70	.70	.70	.70
23.3375	.70	.70	.70	.70	.70
23.4000	.70	.69	.69	.69	.69
23.4625	.69	.69	.69	.69	.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5250	.69	.68	.68	.68	.68
23.5875	.68	.68	.68	.68	.68
23.6500	.67	.67	.67	.67	.67
23.7125	.67	.67	.67	.67	.67
23.7750	.66	.66	.66	.66	.66
23.8375	.66	.66	.66	.66	.65
23.9000	.65	.65	.65	.65	.65
23.9625	.65	.65	.64	.64	.64
24.0250	.64	.63	.62	.60	.58
24.0875	.54	.51	.46	.42	.37
24.1500	.32	.28	.24	.20	.17
24.2125	.15	.12	.10	.09	.07
24.2750	.06	.05	.04	.04	.03
24.3375	.03	.02	.02	.02	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.00	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-3 IN 100
Outflow HYG file = work_pad.hyg - WQBASIN CC-3 OUT 100

Pond Node Data = WQBASIN CC-3
Pond Volume Data = WQBASIN CC-3
Pond Outlet Data = WQB CC-3 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = .00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 60.46 cfs at 12.1375 hrs
Peak Outflow = 60.37 cfs at 12.1375 hrs

Peak Elevation = 5.32 ft
Peak Storage = 45229 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 261063
- Infiltration = 0
- HYG Vol OUT = 218562
- Retained Vol = 42500

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-3 OUT

HYG Tag = 100

Peak Discharge = 60.37 cfs
 Time to Peak = 12.1375 hrs
 HYG Volume = 218562 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
1.7750	.00	.00	.00	.00	.00
1.8375	.00	.00	.00	.00	.00
1.9000	.00	.00	.00	.00	.00
1.9625	.00	.00	.00	.00	.00
2.0250	.00	.00	.00	.00	.00
2.0875	.00	.00	.00	.00	.00
2.1500	.00	.00	.00	.00	.00
2.2125	.00	.00	.00	.00	.00
2.2750	.00	.00	.00	.00	.00
2.3375	.00	.00	.00	.00	.00
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.55	2.35	3.39	3.99	4.34
10.8375	4.55	4.67	4.76	4.82	4.86
10.9000	4.90	4.93	4.95	4.98	5.01
10.9625	5.03	5.06	5.08	5.11	5.13
11.0250	5.16	5.19	5.21	5.25	5.28
11.0875	5.32	5.36	5.40	5.45	5.49
11.1500	5.55	5.60	5.66	5.73	5.79
11.2125	5.86	5.94	6.01	6.09	6.17
11.2750	6.25	6.33	6.42	6.50	6.58
11.3375	6.67	6.75	6.84	6.93	7.02
11.4000	7.11	7.20	7.28	7.37	7.46
11.4625	7.55	7.64	7.73	7.82	7.92
11.5250	8.03	8.15	8.29	8.46	8.67
11.5875	8.91	9.19	9.49	9.82	10.19
11.6500	10.70	11.35	11.96	12.57	13.21
11.7125	13.88	14.56	15.26	15.99	16.75
11.7750	17.53	18.34	19.14	19.95	20.76
11.8375	21.57	22.39	23.23	24.08	24.95
11.9000	25.84	26.77	27.80	29.00	30.58
11.9625	32.49	34.65	37.08	39.75	42.49
12.0250	45.25	47.90	50.41	52.70	54.80
12.0875	56.71	58.16	59.27	60.01	60.37

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.1500	60.27	59.66	58.54	56.97	55.06
12.2125	53.05	50.92	48.66	46.41	44.20
12.2750	42.13	40.22	38.47	36.89	35.43
12.3375	34.09	32.80	31.57	30.39	29.29
12.4000	28.33	27.33	26.32	25.34	24.37
12.4625	23.41	22.45	21.49	20.55	19.64
12.5250	18.76	17.91	17.09	16.31	15.54
12.5875	14.82	14.13	13.49	12.90	12.35
12.6500	11.85	11.39	10.98	10.61	10.34
12.7125	10.14	9.92	9.70	9.50	9.30
12.7750	9.12	8.95	8.79	8.64	8.51
12.8375	8.38	8.25	8.13	8.02	7.90
12.9000	7.79	7.69	7.59	7.49	7.39
12.9625	7.29	7.20	7.10	7.00	6.91
13.0250	6.82	6.73	6.65	6.56	6.48
13.0875	6.40	6.32	6.25	6.18	6.12
13.1500	6.06	6.00	5.94	5.89	5.85
13.2125	5.80	5.76	5.73	5.69	5.66
13.2750	5.63	5.59	5.56	5.54	5.51
13.3375	5.48	5.45	5.43	5.40	5.38
13.4000	5.35	5.33	5.30	5.28	5.25
13.4625	5.23	5.20	5.18	5.16	5.13
13.5250	5.11	5.08	5.06	5.04	5.01
13.5875	4.99	4.97	4.94	4.92	4.89
13.6500	4.87	4.85	4.82	4.80	4.78
13.7125	4.75	4.73	4.70	4.68	4.66
13.7750	4.63	4.61	4.59	4.56	4.54
13.8375	4.52	4.49	4.47	4.44	4.42
13.9000	4.40	4.37	4.35	4.32	4.30
13.9625	4.28	4.25	4.23	4.21	4.18
14.0250	4.16	4.14	4.11	4.09	4.07
14.0875	4.05	4.03	4.00	3.99	3.97
14.1500	3.95	3.93	3.91	3.90	3.88
14.2125	3.87	3.85	3.84	3.83	3.81
14.2750	3.80	3.79	3.77	3.76	3.75
14.3375	3.74	3.73	3.71	3.70	3.69
14.4000	3.68	3.67	3.66	3.64	3.63
14.4625	3.62	3.61	3.60	3.59	3.58
14.5250	3.56	3.55	3.54	3.53	3.52
14.5875	3.51	3.50	3.48	3.47	3.46
14.6500	3.45	3.44	3.43	3.42	3.40
14.7125	3.39	3.38	3.37	3.36	3.35
14.7750	3.34	3.32	3.31	3.30	3.29
14.8375	3.28	3.27	3.26	3.25	3.23
14.9000	3.22	3.21	3.20	3.19	3.18

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	3.17	3.15	3.14	3.13	3.12
15.0250	3.11	3.10	3.09	3.08	3.06
15.0875	3.05	3.04	3.03	3.02	3.01
15.1500	2.99	2.98	2.97	2.96	2.95
15.2125	2.94	2.93	2.91	2.90	2.89
15.2750	2.88	2.87	2.86	2.85	2.83
15.3375	2.82	2.81	2.80	2.79	2.78
15.4000	2.77	2.75	2.74	2.73	2.72
15.4625	2.71	2.70	2.69	2.68	2.66
15.5250	2.65	2.64	2.63	2.62	2.61
15.5875	2.60	2.58	2.57	2.56	2.55
15.6500	2.54	2.53	2.52	2.51	2.49
15.7125	2.48	2.47	2.46	2.45	2.44
15.7750	2.42	2.41	2.40	2.39	2.38
15.8375	2.37	2.36	2.34	2.33	2.32
15.9000	2.31	2.30	2.29	2.28	2.26
15.9625	2.25	2.24	2.23	2.22	2.21
16.0250	2.20	2.19	2.17	2.16	2.15
16.0875	2.14	2.13	2.13	2.12	2.11
16.1500	2.10	2.09	2.08	2.07	2.07
16.2125	2.06	2.05	2.05	2.04	2.03
16.2750	2.03	2.02	2.02	2.01	2.01
16.3375	2.00	2.00	1.99	1.99	1.98
16.4000	1.98	1.97	1.97	1.96	1.95
16.4625	1.95	1.94	1.94	1.93	1.93
16.5250	1.92	1.92	1.92	1.91	1.91
16.5875	1.90	1.90	1.89	1.89	1.88
16.6500	1.87	1.87	1.86	1.86	1.85
16.7125	1.85	1.85	1.84	1.84	1.83
16.7750	1.83	1.82	1.82	1.81	1.81
16.8375	1.80	1.80	1.79	1.79	1.78
16.9000	1.78	1.77	1.77	1.76	1.76
16.9625	1.75	1.75	1.74	1.74	1.73
17.0250	1.73	1.72	1.72	1.71	1.71
17.0875	1.70	1.70	1.69	1.69	1.68
17.1500	1.68	1.67	1.67	1.66	1.66
17.2125	1.65	1.65	1.64	1.64	1.63
17.2750	1.63	1.62	1.62	1.61	1.61
17.3375	1.60	1.60	1.59	1.59	1.58
17.4000	1.58	1.57	1.57	1.56	1.56
17.4625	1.55	1.55	1.54	1.54	1.53
17.5250	1.53	1.52	1.52	1.51	1.51
17.5875	1.50	1.50	1.49	1.49	1.48
17.6500	1.48	1.47	1.47	1.46	1.46
17.7125	1.45	1.45	1.44	1.44	1.43

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	1.43	1.42	1.42	1.41	1.41
17.8375	1.40	1.40	1.39	1.39	1.38
17.9000	1.38	1.37	1.37	1.36	1.36
17.9625	1.35	1.35	1.34	1.34	1.33
18.0250	1.33	1.32	1.32	1.31	1.31
18.0875	1.30	1.30	1.30	1.29	1.29
18.1500	1.29	1.28	1.28	1.28	1.27
18.2125	1.27	1.27	1.27	1.27	1.26
18.2750	1.26	1.26	1.26	1.26	1.26
18.3375	1.25	1.25	1.25	1.25	1.25
18.4000	1.25	1.24	1.24	1.24	1.24
18.4625	1.24	1.24	1.24	1.23	1.23
18.5250	1.23	1.23	1.23	1.23	1.22
18.5875	1.22	1.22	1.22	1.22	1.22
18.6500	1.22	1.21	1.21	1.21	1.21
18.7125	1.21	1.21	1.21	1.20	1.20
18.7750	1.20	1.20	1.20	1.20	1.19
18.8375	1.19	1.19	1.19	1.19	1.19
18.9000	1.19	1.18	1.18	1.18	1.18
18.9625	1.18	1.18	1.17	1.17	1.17
19.0250	1.17	1.17	1.17	1.17	1.17
19.0875	1.16	1.16	1.16	1.16	1.16
19.1500	1.16	1.15	1.15	1.15	1.15
19.2125	1.15	1.15	1.15	1.14	1.14
19.2750	1.14	1.14	1.14	1.14	1.14
19.3375	1.13	1.13	1.13	1.13	1.13
19.4000	1.13	1.12	1.12	1.12	1.12
19.4625	1.12	1.12	1.12	1.11	1.11
19.5250	1.11	1.11	1.11	1.11	1.10
19.5875	1.10	1.10	1.10	1.10	1.10
19.6500	1.10	1.10	1.09	1.09	1.09
19.7125	1.09	1.09	1.09	1.08	1.08
19.7750	1.08	1.08	1.08	1.08	1.08
19.8375	1.07	1.07	1.07	1.07	1.07
19.9000	1.07	1.07	1.06	1.06	1.06
19.9625	1.06	1.06	1.06	1.05	1.05
20.0250	1.05	1.05	1.05	1.05	1.05
20.0875	1.04	1.04	1.04	1.04	1.04
20.1500	1.04	1.04	1.03	1.03	1.03
20.2125	1.03	1.03	1.03	1.03	1.03
20.2750	1.03	1.03	1.02	1.02	1.02
20.3375	1.02	1.02	1.02	1.02	1.02
20.4000	1.01	1.01	1.01	1.01	1.01
20.4625	1.01	1.01	1.01	1.00	1.00
20.5250	1.00	1.00	1.00	1.00	1.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	1.00	1.00	1.00	.99	.99
20.6500	.99	.99	.99	.99	.99
20.7125	.99	.98	.98	.98	.98
20.7750	.98	.98	.98	.98	.97
20.8375	.97	.97	.97	.97	.97
20.9000	.97	.97	.97	.97	.96
20.9625	.96	.96	.96	.96	.96
21.0250	.96	.96	.96	.96	.96
21.0875	.95	.95	.95	.95	.95
21.1500	.95	.95	.95	.94	.94
21.2125	.94	.94	.94	.94	.94
21.2750	.94	.93	.93	.93	.93
21.3375	.93	.93	.93	.93	.93
21.4000	.92	.92	.92	.92	.92
21.4625	.92	.92	.92	.92	.91
21.5250	.91	.91	.91	.91	.91
21.5875	.91	.90	.90	.90	.90
21.6500	.90	.90	.90	.90	.90
21.7125	.90	.90	.89	.89	.89
21.7750	.89	.89	.89	.89	.89
21.8375	.89	.89	.88	.88	.88
21.9000	.88	.88	.88	.88	.88
21.9625	.87	.87	.87	.87	.87
22.0250	.87	.87	.87	.86	.86
22.0875	.86	.86	.86	.86	.86
22.1500	.86	.86	.86	.85	.85
22.2125	.85	.85	.85	.85	.85
22.2750	.85	.85	.84	.84	.84
22.3375	.84	.84	.84	.84	.83
22.4000	.83	.83	.83	.83	.83
22.4625	.83	.83	.83	.83	.82
22.5250	.82	.82	.82	.82	.82
22.5875	.82	.82	.82	.82	.81
22.6500	.81	.81	.81	.81	.81
22.7125	.81	.81	.81	.80	.80
22.7750	.80	.80	.80	.80	.80
22.8375	.80	.79	.79	.79	.79
22.9000	.79	.79	.79	.79	.79
22.9625	.78	.78	.78	.78	.78
23.0250	.78	.78	.78	.78	.77
23.0875	.77	.77	.77	.77	.77
23.1500	.77	.76	.76	.76	.76
23.2125	.76	.76	.76	.76	.76
23.2750	.76	.76	.75	.75	.75
23.3375	.75	.75	.75	.75	.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	.75	.74	.74	.74	.74
23.4625	.74	.74	.74	.74	.74
23.5250	.74	.73	.73	.73	.73
23.5875	.73	.73	.73	.73	.72
23.6500	.72	.72	.72	.72	.72
23.7125	.72	.72	.72	.71	.71
23.7750	.71	.71	.71	.71	.71
23.8375	.71	.71	.70	.70	.70
23.9000	.70	.70	.70	.70	.69
23.9625	.69	.69	.69	.69	.69
24.0250	.68	.68	.66	.65	.62
24.0875	.58	.54	.50	.45	.40
24.1500	.35	.30	.26	.22	.19
24.2125	.16	.13	.11	.09	.08
24.2750	.07	.06	.05	.04	.03
24.3375	.03	.02	.02	.02	.01
24.4000	.01	.01	.01	.01	.01
24.4625	.00	.00	.00	.00	.00
24.5250	.00				

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
250.00	-----	7773	0	0	0
252.00	-----	8621	24580	16387	16387
254.00	-----	9509	27184	18123	34509
256.00	-----	10433	29902	19935	54444
258.00	-----	11397	32734	21823	76267
260.00	-----	12382	35658	23772	100039

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Areal} + \text{Area2} + \text{sq.rt.}(\text{Areal}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Areal, Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-4       D.A. CC-4       work_pad.hyg  D.A. CC-4     2
=====

```

INFLOWS TO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  D.A. CC-4     2            262480      12.1750     58.15

```

TOTAL FLOW INTO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
              HYG ID        HYG tag      cu.ft       hrs          cfs
-----
work_pad.hyg  WQBASIN CC-4 IN  2            262480      12.1750     58.15

```


TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 IN

HYG Tag = 2

 Peak Discharge = 58.15 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 262480 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.01	.01	.01
3.7125	.01	.01	.01	.01	.01
3.7750	.02	.02	.02	.02	.02
3.8375	.02	.03	.03	.03	.03
3.9000	.03	.03	.04	.04	.04
3.9625	.04	.04	.05	.05	.05
4.0250	.05	.05	.06	.06	.06
4.0875	.06	.06	.06	.07	.07
4.1500	.07	.07	.07	.08	.08
4.2125	.08	.08	.08	.09	.09
4.2750	.09	.09	.09	.10	.10
4.3375	.10	.10	.10	.11	.11
4.4000	.11	.11	.11	.12	.12
4.4625	.12	.12	.13	.13	.13
4.5250	.13	.13	.14	.14	.14
4.5875	.14	.14	.15	.15	.15
4.6500	.15	.15	.16	.16	.16
4.7125	.16	.16	.17	.17	.17
4.7750	.17	.18	.18	.18	.18
4.8375	.18	.19	.19	.19	.19
4.9000	.19	.20	.20	.20	.20
4.9625	.21	.21	.21	.21	.21
5.0250	.22	.22	.22	.22	.23
5.0875	.23	.23	.23	.23	.24
5.1500	.24	.24	.24	.24	.25
5.2125	.25	.25	.25	.26	.26
5.2750	.26	.26	.26	.27	.27
5.3375	.27	.27	.28	.28	.28
5.4000	.28	.28	.29	.29	.29
5.4625	.29	.30	.30	.30	.30

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
5.5250	.31	.31	.31	.31	.31
5.5875	.32	.32	.32	.32	.33
5.6500	.33	.33	.33	.33	.34
5.7125	.34	.34	.34	.35	.35
5.7750	.35	.35	.36	.36	.36
5.8375	.36	.36	.37	.37	.37
5.9000	.37	.38	.38	.38	.38
5.9625	.39	.39	.39	.39	.39
6.0250	.40	.40	.40	.40	.41
6.0875	.41	.41	.41	.42	.42
6.1500	.42	.43	.43	.43	.43
6.2125	.44	.44	.44	.45	.45
6.2750	.45	.46	.46	.46	.47
6.3375	.47	.47	.48	.48	.49
6.4000	.49	.49	.50	.50	.50
6.4625	.51	.51	.52	.52	.52
6.5250	.53	.53	.54	.54	.54
6.5875	.55	.55	.56	.56	.56
6.6500	.57	.57	.58	.58	.58
6.7125	.59	.59	.60	.60	.61
6.7750	.61	.61	.62	.62	.63
6.8375	.63	.64	.64	.64	.65
6.9000	.65	.66	.66	.67	.67
6.9625	.68	.68	.68	.69	.69
7.0250	.70	.70	.71	.71	.72
7.0875	.72	.73	.73	.73	.74
7.1500	.74	.75	.75	.76	.76
7.2125	.77	.77	.78	.78	.79
7.2750	.79	.80	.80	.81	.81
7.3375	.82	.82	.83	.83	.84
7.4000	.84	.85	.85	.86	.86
7.4625	.87	.87	.88	.88	.89
7.5250	.89	.90	.90	.91	.91
7.5875	.92	.92	.93	.93	.94
7.6500	.94	.95	.95	.96	.96
7.7125	.97	.98	.98	.99	.99
7.7750	1.00	1.00	1.01	1.01	1.02
7.8375	1.02	1.03	1.03	1.04	1.05
7.9000	1.05	1.06	1.06	1.07	1.07
7.9625	1.08	1.08	1.09	1.10	1.10
8.0250	1.11	1.11	1.12	1.12	1.13
8.0875	1.14	1.14	1.15	1.15	1.16
8.1500	1.17	1.18	1.18	1.19	1.20
8.2125	1.21	1.21	1.22	1.23	1.24
8.2750	1.25	1.26	1.27	1.28	1.28

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.3375	1.29	1.30	1.31	1.32	1.33
8.4000	1.34	1.35	1.36	1.37	1.38
8.4625	1.39	1.40	1.41	1.42	1.43
8.5250	1.44	1.45	1.46	1.47	1.48
8.5875	1.49	1.50	1.52	1.53	1.54
8.6500	1.55	1.56	1.57	1.58	1.59
8.7125	1.60	1.61	1.62	1.63	1.65
8.7750	1.66	1.67	1.68	1.69	1.70
8.8375	1.71	1.72	1.73	1.75	1.76
8.9000	1.77	1.78	1.79	1.80	1.81
8.9625	1.83	1.84	1.85	1.86	1.87
9.0250	1.88	1.90	1.91	1.92	1.93
9.0875	1.94	1.95	1.97	1.98	1.99
9.1500	2.00	2.01	2.03	2.04	2.05
9.2125	2.06	2.07	2.09	2.10	2.11
9.2750	2.12	2.14	2.15	2.16	2.17
9.3375	2.19	2.20	2.21	2.22	2.23
9.4000	2.25	2.26	2.27	2.28	2.30
9.4625	2.31	2.32	2.34	2.35	2.36
9.5250	2.37	2.39	2.40	2.41	2.43
9.5875	2.44	2.45	2.46	2.48	2.49
9.6500	2.50	2.52	2.53	2.54	2.56
9.7125	2.57	2.58	2.59	2.61	2.62
9.7750	2.63	2.65	2.66	2.67	2.69
9.8375	2.70	2.71	2.73	2.74	2.75
9.9000	2.77	2.78	2.79	2.81	2.82
9.9625	2.84	2.85	2.86	2.88	2.89
10.0250	2.90	2.92	2.93	2.95	2.96
10.0875	2.98	2.99	3.01	3.02	3.04
10.1500	3.06	3.07	3.09	3.11	3.13
10.2125	3.15	3.17	3.19	3.21	3.23
10.2750	3.25	3.28	3.30	3.32	3.34
10.3375	3.37	3.39	3.41	3.44	3.46
10.4000	3.48	3.51	3.53	3.56	3.58
10.4625	3.61	3.63	3.66	3.68	3.71
10.5250	3.73	3.76	3.78	3.81	3.83
10.5875	3.86	3.88	3.91	3.93	3.96
10.6500	3.99	4.01	4.04	4.06	4.09
10.7125	4.11	4.14	4.17	4.19	4.22
10.7750	4.25	4.27	4.30	4.32	4.35
10.8375	4.38	4.40	4.43	4.46	4.48
10.9000	4.51	4.54	4.56	4.59	4.62
10.9625	4.64	4.67	4.70	4.73	4.75
11.0250	4.78	4.81	4.84	4.87	4.91
11.0875	4.94	4.98	5.02	5.06	5.11

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.1500	5.16	5.20	5.26	5.31	5.37
11.2125	5.44	5.50	5.57	5.64	5.71
11.2750	5.79	5.86	5.94	6.02	6.10
11.3375	6.18	6.27	6.35	6.44	6.52
11.4000	6.61	6.70	6.79	6.88	6.97
11.4625	7.06	7.15	7.25	7.35	7.45
11.5250	7.57	7.69	7.82	7.98	8.14
11.5875	8.35	8.57	8.80	9.10	9.41
11.6500	9.74	10.14	10.54	10.98	11.49
11.7125	12.00	12.57	13.18	13.78	14.44
11.7750	15.11	15.79	16.54	17.29	18.05
11.8375	18.84	19.63	20.44	21.26	22.09
11.9000	23.02	23.99	24.96	26.20	27.45
11.9625	28.79	30.50	32.22	34.12	36.26
12.0250	38.41	40.63	42.90	45.17	47.31
12.0875	49.43	51.50	53.15	54.79	56.18
12.1500	57.02	57.87	58.15	57.96	57.78
12.2125	56.95	55.94	54.92	53.48	52.04
12.2750	50.56	48.94	47.33	45.72	44.12
12.3375	42.52	41.06	39.66	38.27	37.01
12.4000	35.76	34.52	33.35	32.18	31.04
12.4625	29.95	28.85	27.79	26.74	25.70
12.5250	24.70	23.70	22.71	21.80	20.90
12.5875	20.01	19.19	18.37	17.59	16.87
12.6500	16.15	15.52	14.92	14.32	13.83
12.7125	13.35	12.88	12.48	12.09	11.73
12.7750	11.42	11.11	10.84	10.59	10.34
12.8375	10.13	9.92	9.71	9.54	9.36
12.9000	9.19	9.04	8.88	8.74	8.60
12.9625	8.47	8.34	8.22	8.09	7.97
13.0250	7.86	7.74	7.64	7.53	7.43
13.0875	7.33	7.24	7.14	7.06	6.97
13.1500	6.89	6.82	6.74	6.68	6.61
13.2125	6.55	6.50	6.44	6.39	6.35
13.2750	6.30	6.26	6.22	6.18	6.14
13.3375	6.11	6.07	6.04	6.01	5.98
13.4000	5.95	5.91	5.88	5.86	5.83
13.4625	5.80	5.77	5.74	5.71	5.69
13.5250	5.66	5.63	5.61	5.58	5.55
13.5875	5.53	5.50	5.47	5.45	5.42
13.6500	5.40	5.37	5.34	5.32	5.29
13.7125	5.27	5.24	5.22	5.19	5.16
13.7750	5.14	5.11	5.09	5.06	5.04
13.8375	5.01	4.98	4.96	4.93	4.91
13.9000	4.88	4.86	4.83	4.80	4.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9625	4.75	4.73	4.70	4.68	4.65
14.0250	4.62	4.60	4.57	4.55	4.52
14.0875	4.50	4.48	4.45	4.43	4.41
14.1500	4.39	4.37	4.35	4.33	4.31
14.2125	4.29	4.27	4.26	4.24	4.22
14.2750	4.21	4.19	4.18	4.16	4.15
14.3375	4.13	4.12	4.11	4.09	4.08
14.4000	4.07	4.05	4.04	4.03	4.01
14.4625	4.00	3.99	3.98	3.96	3.95
14.5250	3.94	3.93	3.91	3.90	3.89
14.5875	3.88	3.86	3.85	3.84	3.83
14.6500	3.81	3.80	3.79	3.78	3.76
14.7125	3.75	3.74	3.73	3.71	3.70
14.7750	3.69	3.68	3.67	3.65	3.64
14.8375	3.63	3.62	3.60	3.59	3.58
14.9000	3.57	3.55	3.54	3.53	3.52
14.9625	3.50	3.49	3.48	3.47	3.45
15.0250	3.44	3.43	3.42	3.41	3.39
15.0875	3.38	3.37	3.36	3.34	3.33
15.1500	3.32	3.31	3.29	3.28	3.27
15.2125	3.26	3.24	3.23	3.22	3.21
15.2750	3.19	3.18	3.17	3.16	3.14
15.3375	3.13	3.12	3.11	3.10	3.08
15.4000	3.07	3.06	3.05	3.03	3.02
15.4625	3.01	3.00	2.98	2.97	2.96
15.5250	2.95	2.93	2.92	2.91	2.90
15.5875	2.88	2.87	2.86	2.85	2.83
15.6500	2.82	2.81	2.80	2.79	2.77
15.7125	2.76	2.75	2.73	2.72	2.71
15.7750	2.70	2.68	2.67	2.66	2.65
15.8375	2.63	2.62	2.61	2.60	2.59
15.9000	2.57	2.56	2.55	2.53	2.52
15.9625	2.51	2.50	2.49	2.47	2.46
16.0250	2.45	2.44	2.42	2.41	2.40
16.0875	2.39	2.38	2.37	2.36	2.35
16.1500	2.34	2.33	2.32	2.31	2.30
16.2125	2.29	2.28	2.27	2.27	2.26
16.2750	2.25	2.24	2.24	2.23	2.22
16.3375	2.22	2.21	2.21	2.20	2.19
16.4000	2.19	2.18	2.18	2.17	2.16
16.4625	2.16	2.15	2.15	2.14	2.14
16.5250	2.13	2.12	2.12	2.11	2.11
16.5875	2.10	2.10	2.09	2.09	2.08
16.6500	2.07	2.07	2.06	2.06	2.05
16.7125	2.05	2.04	2.04	2.03	2.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7750	2.02	2.02	2.01	2.00	2.00
16.8375	1.99	1.99	1.98	1.98	1.97
16.9000	1.97	1.96	1.96	1.95	1.94
16.9625	1.94	1.93	1.93	1.92	1.92
17.0250	1.91	1.91	1.90	1.90	1.89
17.0875	1.88	1.88	1.87	1.87	1.86
17.1500	1.86	1.85	1.85	1.84	1.84
17.2125	1.83	1.83	1.82	1.81	1.81
17.2750	1.80	1.80	1.79	1.79	1.78
17.3375	1.78	1.77	1.77	1.76	1.76
17.4000	1.75	1.74	1.74	1.73	1.73
17.4625	1.72	1.72	1.71	1.71	1.70
17.5250	1.69	1.69	1.68	1.68	1.67
17.5875	1.67	1.66	1.66	1.65	1.65
17.6500	1.64	1.63	1.63	1.62	1.62
17.7125	1.61	1.61	1.60	1.60	1.59
17.7750	1.59	1.58	1.58	1.57	1.56
17.8375	1.56	1.55	1.55	1.54	1.54
17.9000	1.53	1.53	1.52	1.52	1.51
17.9625	1.50	1.50	1.49	1.49	1.48
18.0250	1.48	1.47	1.47	1.46	1.46
18.0875	1.45	1.45	1.44	1.44	1.43
18.1500	1.43	1.42	1.42	1.42	1.41
18.2125	1.41	1.41	1.40	1.40	1.40
18.2750	1.40	1.39	1.39	1.39	1.39
18.3375	1.39	1.38	1.38	1.38	1.38
18.4000	1.38	1.37	1.37	1.37	1.37
18.4625	1.37	1.36	1.36	1.36	1.36
18.5250	1.36	1.36	1.35	1.35	1.35
18.5875	1.35	1.35	1.35	1.34	1.34
18.6500	1.34	1.34	1.34	1.34	1.33
18.7125	1.33	1.33	1.33	1.33	1.33
18.7750	1.32	1.32	1.32	1.32	1.32
18.8375	1.32	1.31	1.31	1.31	1.31
18.9000	1.31	1.31	1.30	1.30	1.30
18.9625	1.30	1.30	1.30	1.30	1.29
19.0250	1.29	1.29	1.29	1.29	1.29
19.0875	1.28	1.28	1.28	1.28	1.28
19.1500	1.28	1.27	1.27	1.27	1.27
19.2125	1.27	1.27	1.26	1.26	1.26
19.2750	1.26	1.26	1.26	1.25	1.25
19.3375	1.25	1.25	1.25	1.25	1.24
19.4000	1.24	1.24	1.24	1.24	1.24
19.4625	1.24	1.23	1.23	1.23	1.23
19.5250	1.23	1.23	1.22	1.22	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.5875	1.22	1.22	1.22	1.21	1.21
19.6500	1.21	1.21	1.21	1.21	1.20
19.7125	1.20	1.20	1.20	1.20	1.20
19.7750	1.19	1.19	1.19	1.19	1.19
19.8375	1.19	1.18	1.18	1.18	1.18
19.9000	1.18	1.18	1.17	1.17	1.17
19.9625	1.17	1.17	1.17	1.16	1.16
20.0250	1.16	1.16	1.16	1.16	1.16
20.0875	1.15	1.15	1.15	1.15	1.15
20.1500	1.15	1.14	1.14	1.14	1.14
20.2125	1.14	1.14	1.14	1.14	1.13
20.2750	1.13	1.13	1.13	1.13	1.13
20.3375	1.13	1.13	1.12	1.12	1.12
20.4000	1.12	1.12	1.12	1.12	1.11
20.4625	1.11	1.11	1.11	1.11	1.11
20.5250	1.11	1.11	1.10	1.10	1.10
20.5875	1.10	1.10	1.10	1.10	1.10
20.6500	1.09	1.09	1.09	1.09	1.09
20.7125	1.09	1.09	1.09	1.08	1.08
20.7750	1.08	1.08	1.08	1.08	1.08
20.8375	1.08	1.07	1.07	1.07	1.07
20.9000	1.07	1.07	1.07	1.07	1.06
20.9625	1.06	1.06	1.06	1.06	1.06
21.0250	1.06	1.06	1.06	1.06	1.05
21.0875	1.05	1.05	1.05	1.05	1.05
21.1500	1.05	1.05	1.04	1.04	1.04
21.2125	1.04	1.04	1.04	1.04	1.03
21.2750	1.03	1.03	1.03	1.03	1.03
21.3375	1.03	1.03	1.02	1.02	1.02
21.4000	1.02	1.02	1.02	1.02	1.02
21.4625	1.02	1.01	1.01	1.01	1.01
21.5250	1.01	1.01	1.01	1.00	1.00
21.5875	1.00	1.00	1.00	1.00	1.00
21.6500	1.00	.99	.99	.99	.99
21.7125	.99	.99	.99	.99	.99
21.7750	.98	.98	.98	.98	.98
21.8375	.98	.98	.98	.98	.97
21.9000	.97	.97	.97	.97	.97
21.9625	.97	.97	.96	.96	.96
22.0250	.96	.96	.96	.96	.95
22.0875	.95	.95	.95	.95	.95
22.1500	.95	.95	.95	.94	.94
22.2125	.94	.94	.94	.94	.94
22.2750	.94	.93	.93	.93	.93
22.3375	.93	.93	.93	.92	.92

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4000	.92	.92	.92	.92	.92
22.4625	.92	.92	.91	.91	.91
22.5250	.91	.91	.91	.91	.91
22.5875	.90	.90	.90	.90	.90
22.6500	.90	.90	.90	.90	.89
22.7125	.89	.89	.89	.89	.89
22.7750	.89	.89	.88	.88	.88
22.8375	.88	.88	.88	.88	.88
22.9000	.87	.87	.87	.87	.87
22.9625	.87	.87	.87	.86	.86
23.0250	.86	.86	.86	.86	.86
23.0875	.86	.85	.85	.85	.85
23.1500	.85	.85	.85	.84	.84
23.2125	.84	.84	.84	.84	.84
23.2750	.84	.84	.83	.83	.83
23.3375	.83	.83	.83	.83	.83
23.4000	.82	.82	.82	.82	.82
23.4625	.82	.82	.82	.82	.82
23.5250	.81	.81	.81	.81	.81
23.5875	.81	.81	.80	.80	.80
23.6500	.80	.80	.80	.80	.80
23.7125	.79	.79	.79	.79	.79
23.7750	.79	.79	.79	.78	.78
23.8375	.78	.78	.78	.78	.78
23.9000	.78	.77	.77	.77	.77
23.9625	.77	.77	.77	.76	.76
24.0250	.75	.74	.73	.72	.69
24.0875	.67	.64	.61	.57	.53
24.1500	.49	.45	.41	.37	.34
24.2125	.30	.27	.24	.21	.19
24.2750	.17	.15	.13	.12	.10
24.3375	.09	.08	.07	.06	.06
24.4000	.05	.04	.04	.03	.03
24.4625	.03	.02	.02	.02	.02
24.5250	.02	.01	.01	.01	.01
24.5875	.01	.01	.01	.01	.00
24.6500	.00	.00	.00	.00	.00
24.7125	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-4        D.A. CC-4      work_pad.hyg  D.A. CC-4     10
=====

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INFLOWS TO: WQBASIN CC-4 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  D.A. CC-4     10           444482      12.1750     95.68
-----

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TOTAL FLOW INTO: WQBASIN CC-4 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  WQBASIN CC-4 IN  10           444482      12.1750     95.68
-----

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 IN

HYG Tag = 10

 Peak Discharge = 95.68 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 444482 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs					
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.01	.01	.01	.01
2.5250	.01	.01	.02	.02	.02
2.5875	.02	.03	.03	.03	.04
2.6500	.04	.04	.04	.05	.05
2.7125	.05	.06	.06	.06	.07
2.7750	.07	.07	.08	.08	.08
2.8375	.09	.09	.09	.10	.10
2.9000	.10	.11	.11	.12	.12
2.9625	.12	.13	.13	.13	.14
3.0250	.14	.14	.15	.15	.15
3.0875	.16	.16	.17	.17	.17
3.1500	.18	.18	.18	.19	.19
3.2125	.19	.20	.20	.21	.21
3.2750	.21	.22	.22	.22	.23
3.3375	.23	.23	.24	.24	.25
3.4000	.25	.25	.26	.26	.26
3.4625	.27	.27	.28	.28	.28
3.5250	.29	.29	.29	.30	.30
3.5875	.31	.31	.31	.32	.32
3.6500	.32	.33	.33	.34	.34
3.7125	.34	.35	.35	.36	.36
3.7750	.36	.37	.37	.37	.38
3.8375	.38	.39	.39	.39	.40
3.9000	.40	.41	.41	.41	.42
3.9625	.42	.42	.43	.43	.44
4.0250	.44	.44	.45	.45	.46
4.0875	.46	.46	.47	.47	.48
4.1500	.48	.48	.49	.49	.49
4.2125	.50	.50	.51	.51	.51
4.2750	.52	.52	.53	.53	.53

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.3375	.54	.54	.55	.55	.55
4.4000	.56	.56	.57	.57	.57
4.4625	.58	.58	.59	.59	.59
4.5250	.60	.60	.61	.61	.61
4.5875	.62	.62	.63	.63	.63
4.6500	.64	.64	.65	.65	.65
4.7125	.66	.66	.67	.67	.67
4.7750	.68	.68	.69	.69	.69
4.8375	.70	.70	.71	.71	.71
4.9000	.72	.72	.73	.73	.73
4.9625	.74	.74	.75	.75	.75
5.0250	.76	.76	.77	.77	.77
5.0875	.78	.78	.79	.79	.79
5.1500	.80	.80	.81	.81	.81
5.2125	.82	.82	.83	.83	.83
5.2750	.84	.84	.85	.85	.85
5.3375	.86	.86	.87	.87	.88
5.4000	.88	.88	.89	.89	.90
5.4625	.90	.90	.91	.91	.92
5.5250	.92	.92	.93	.93	.94
5.5875	.94	.94	.95	.95	.96
5.6500	.96	.96	.97	.97	.98
5.7125	.98	.98	.99	.99	1.00
5.7750	1.00	1.01	1.01	1.01	1.02
5.8375	1.02	1.03	1.03	1.03	1.04
5.9000	1.04	1.05	1.05	1.05	1.06
5.9625	1.06	1.07	1.07	1.07	1.08
6.0250	1.08	1.09	1.09	1.10	1.10
6.0875	1.10	1.11	1.11	1.12	1.12
6.1500	1.13	1.13	1.14	1.15	1.15
6.2125	1.16	1.16	1.17	1.17	1.18
6.2750	1.19	1.19	1.20	1.21	1.21
6.3375	1.22	1.23	1.24	1.24	1.25
6.4000	1.26	1.27	1.27	1.28	1.29
6.4625	1.29	1.30	1.31	1.32	1.32
6.5250	1.33	1.34	1.35	1.36	1.36
6.5875	1.37	1.38	1.39	1.39	1.40
6.6500	1.41	1.42	1.43	1.43	1.44
6.7125	1.45	1.46	1.47	1.47	1.48
6.7750	1.49	1.50	1.51	1.51	1.52
6.8375	1.53	1.54	1.55	1.56	1.56
6.9000	1.57	1.58	1.59	1.60	1.61
6.9625	1.61	1.62	1.63	1.64	1.65
7.0250	1.66	1.66	1.67	1.68	1.69
7.0875	1.70	1.71	1.72	1.72	1.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
7.1500	1.74	1.75	1.76	1.77	1.78
7.2125	1.79	1.79	1.80	1.81	1.82
7.2750	1.83	1.84	1.85	1.85	1.86
7.3375	1.87	1.88	1.89	1.90	1.91
7.4000	1.92	1.93	1.94	1.94	1.95
7.4625	1.96	1.97	1.98	1.99	2.00
7.5250	2.01	2.02	2.03	2.03	2.04
7.5875	2.05	2.06	2.07	2.08	2.09
7.6500	2.10	2.11	2.12	2.13	2.14
7.7125	2.14	2.15	2.16	2.17	2.18
7.7750	2.19	2.20	2.21	2.22	2.23
7.8375	2.24	2.25	2.26	2.27	2.28
7.9000	2.28	2.29	2.30	2.31	2.32
7.9625	2.33	2.34	2.35	2.36	2.37
8.0250	2.38	2.39	2.40	2.41	2.42
8.0875	2.43	2.44	2.45	2.47	2.48
8.1500	2.49	2.50	2.52	2.53	2.54
8.2125	2.56	2.57	2.59	2.60	2.62
8.2750	2.63	2.65	2.67	2.68	2.70
8.3375	2.72	2.73	2.75	2.77	2.79
8.4000	2.80	2.82	2.84	2.86	2.87
8.4625	2.89	2.91	2.93	2.95	2.97
8.5250	2.98	3.00	3.02	3.04	3.06
8.5875	3.08	3.10	3.11	3.13	3.15
8.6500	3.17	3.19	3.21	3.23	3.25
8.7125	3.27	3.28	3.30	3.32	3.34
8.7750	3.36	3.38	3.40	3.42	3.44
8.8375	3.46	3.48	3.50	3.52	3.54
8.9000	3.56	3.58	3.60	3.62	3.64
8.9625	3.66	3.68	3.70	3.72	3.74
9.0250	3.76	3.78	3.80	3.82	3.84
9.0875	3.86	3.88	3.90	3.92	3.94
9.1500	3.96	3.98	4.00	4.02	4.04
9.2125	4.06	4.08	4.10	4.12	4.14
9.2750	4.16	4.18	4.20	4.22	4.24
9.3375	4.27	4.29	4.31	4.33	4.35
9.4000	4.37	4.39	4.41	4.43	4.45
9.4625	4.47	4.49	4.52	4.54	4.56
9.5250	4.58	4.60	4.62	4.64	4.66
9.5875	4.68	4.71	4.73	4.75	4.77
9.6500	4.79	4.81	4.83	4.85	4.88
9.7125	4.90	4.92	4.94	4.96	4.98
9.7750	5.00	5.03	5.05	5.07	5.09
9.8375	5.11	5.13	5.16	5.18	5.20
9.9000	5.22	5.24	5.26	5.29	5.31

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.9625	5.33	5.35	5.37	5.39	5.42
10.0250	5.44	5.46	5.48	5.51	5.53
10.0875	5.55	5.58	5.61	5.63	5.66
10.1500	5.69	5.72	5.75	5.78	5.81
10.2125	5.84	5.87	5.91	5.94	5.98
10.2750	6.01	6.05	6.09	6.13	6.16
10.3375	6.20	6.24	6.28	6.32	6.36
10.4000	6.40	6.44	6.48	6.52	6.56
10.4625	6.60	6.64	6.68	6.72	6.76
10.5250	6.81	6.85	6.89	6.93	6.97
10.5875	7.01	7.06	7.10	7.14	7.18
10.6500	7.23	7.27	7.31	7.35	7.39
10.7125	7.44	7.48	7.52	7.56	7.61
10.7750	7.65	7.69	7.73	7.78	7.82
10.8375	7.86	7.91	7.95	7.99	8.03
10.9000	8.08	8.12	8.16	8.21	8.25
10.9625	8.29	8.34	8.38	8.42	8.47
11.0250	8.51	8.56	8.61	8.66	8.72
11.0875	8.77	8.84	8.90	8.97	9.05
11.1500	9.13	9.20	9.30	9.39	9.49
11.2125	9.60	9.70	9.82	9.94	10.05
11.2750	10.18	10.31	10.44	10.57	10.71
11.3375	10.85	10.99	11.13	11.27	11.42
11.4000	11.56	11.71	11.86	12.01	12.16
11.4625	12.31	12.46	12.62	12.78	12.95
11.5250	13.15	13.35	13.58	13.85	14.12
11.5875	14.46	14.84	15.22	15.73	16.25
11.6500	16.80	17.48	18.16	18.90	19.77
11.7125	20.63	21.58	22.60	23.61	24.72
11.7750	25.85	26.98	28.23	29.47	30.74
11.8375	32.05	33.37	34.70	36.06	37.42
11.9000	38.95	40.54	42.14	44.17	46.21
11.9625	48.40	51.21	54.02	57.12	60.61
12.0250	64.11	67.72	71.40	75.08	78.53
12.0875	81.95	85.29	87.91	90.52	92.71
12.1500	94.01	95.31	95.68	95.29	94.91
12.2125	93.47	91.74	90.00	87.59	85.17
12.2750	82.69	80.00	77.31	74.64	71.99
12.3375	69.33	66.92	64.61	62.30	60.22
12.4000	58.16	56.12	54.20	52.28	50.40
12.4625	48.61	46.81	45.07	43.36	41.65
12.5250	40.02	38.39	36.78	35.30	33.82
12.5875	32.38	31.04	29.71	28.45	27.28
12.6500	26.10	25.08	24.11	23.14	22.34
12.7125	21.55	20.79	20.15	19.51	18.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7750	18.43	17.93	17.48	17.08	16.67
12.8375	16.33	15.99	15.66	15.37	15.08
12.9000	14.81	14.56	14.31	14.07	13.86
12.9625	13.64	13.43	13.23	13.03	12.84
13.0250	12.65	12.47	12.29	12.12	11.96
13.0875	11.80	11.64	11.50	11.35	11.21
13.1500	11.09	10.97	10.85	10.74	10.64
13.2125	10.54	10.45	10.36	10.28	10.21
13.2750	10.13	10.06	10.00	9.94	9.88
13.3375	9.82	9.76	9.71	9.66	9.61
13.4000	9.56	9.51	9.46	9.41	9.36
13.4625	9.32	9.27	9.23	9.18	9.14
13.5250	9.09	9.05	9.01	8.96	8.92
13.5875	8.88	8.84	8.79	8.75	8.71
13.6500	8.67	8.62	8.58	8.54	8.50
13.7125	8.46	8.41	8.37	8.33	8.29
13.7750	8.25	8.21	8.17	8.12	8.08
13.8375	8.04	8.00	7.96	7.92	7.88
13.9000	7.84	7.79	7.75	7.71	7.67
13.9625	7.63	7.59	7.54	7.50	7.46
14.0250	7.42	7.38	7.34	7.30	7.26
14.0875	7.22	7.18	7.14	7.11	7.07
14.1500	7.04	7.00	6.97	6.94	6.91
14.2125	6.88	6.85	6.83	6.80	6.77
14.2750	6.75	6.72	6.70	6.68	6.65
14.3375	6.63	6.61	6.58	6.56	6.54
14.4000	6.52	6.50	6.48	6.46	6.44
14.4625	6.42	6.39	6.37	6.35	6.33
14.5250	6.31	6.29	6.27	6.25	6.23
14.5875	6.21	6.19	6.17	6.15	6.13
14.6500	6.11	6.09	6.07	6.05	6.03
14.7125	6.01	5.99	5.97	5.95	5.93
14.7750	5.91	5.89	5.87	5.85	5.83
14.8375	5.81	5.79	5.77	5.75	5.73
14.9000	5.71	5.69	5.67	5.65	5.63
14.9625	5.61	5.59	5.57	5.55	5.53
15.0250	5.51	5.49	5.47	5.45	5.43
15.0875	5.41	5.39	5.37	5.35	5.33
15.1500	5.31	5.29	5.27	5.25	5.23
15.2125	5.21	5.19	5.17	5.15	5.13
15.2750	5.11	5.09	5.07	5.05	5.03
15.3375	5.01	4.99	4.97	4.95	4.93
15.4000	4.91	4.89	4.87	4.85	4.84
15.4625	4.82	4.80	4.78	4.76	4.74
15.5250	4.72	4.70	4.68	4.66	4.64

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5875	4.62	4.60	4.58	4.56	4.54
15.6500	4.52	4.50	4.48	4.46	4.44
15.7125	4.42	4.40	4.38	4.36	4.34
15.7750	4.32	4.30	4.28	4.26	4.24
15.8375	4.22	4.20	4.18	4.16	4.14
15.9000	4.12	4.10	4.08	4.06	4.03
15.9625	4.02	4.00	3.98	3.96	3.94
16.0250	3.92	3.90	3.88	3.86	3.84
16.0875	3.82	3.80	3.79	3.77	3.75
16.1500	3.74	3.72	3.71	3.69	3.68
16.2125	3.66	3.65	3.64	3.62	3.61
16.2750	3.60	3.59	3.58	3.57	3.56
16.3375	3.55	3.54	3.53	3.52	3.51
16.4000	3.50	3.49	3.48	3.47	3.46
16.4625	3.45	3.44	3.43	3.42	3.41
16.5250	3.41	3.40	3.39	3.38	3.37
16.5875	3.36	3.35	3.34	3.34	3.33
16.6500	3.32	3.31	3.30	3.29	3.28
16.7125	3.27	3.26	3.26	3.25	3.24
16.7750	3.23	3.22	3.21	3.20	3.20
16.8375	3.19	3.18	3.17	3.16	3.15
16.9000	3.14	3.13	3.13	3.12	3.11
16.9625	3.10	3.09	3.08	3.07	3.07
17.0250	3.06	3.05	3.04	3.03	3.02
17.0875	3.01	3.00	3.00	2.99	2.98
17.1500	2.97	2.96	2.95	2.94	2.94
17.2125	2.93	2.92	2.91	2.90	2.89
17.2750	2.88	2.87	2.86	2.86	2.85
17.3375	2.84	2.83	2.82	2.81	2.80
17.4000	2.80	2.79	2.78	2.77	2.76
17.4625	2.75	2.74	2.73	2.73	2.72
17.5250	2.71	2.70	2.69	2.68	2.67
17.5875	2.67	2.66	2.65	2.64	2.63
17.6500	2.62	2.61	2.60	2.59	2.59
17.7125	2.58	2.57	2.56	2.55	2.54
17.7750	2.53	2.53	2.52	2.51	2.50
17.8375	2.49	2.48	2.47	2.46	2.46
17.9000	2.45	2.44	2.43	2.42	2.41
17.9625	2.40	2.40	2.39	2.38	2.37
18.0250	2.36	2.35	2.34	2.33	2.33
18.0875	2.32	2.31	2.30	2.29	2.29
18.1500	2.28	2.27	2.27	2.26	2.26
18.2125	2.25	2.25	2.24	2.24	2.23
18.2750	2.23	2.23	2.22	2.22	2.22
18.3375	2.21	2.21	2.21	2.20	2.20

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4000	2.20	2.19	2.19	2.19	2.18
18.4625	2.18	2.18	2.18	2.17	2.17
18.5250	2.17	2.17	2.16	2.16	2.16
18.5875	2.15	2.15	2.15	2.15	2.14
18.6500	2.14	2.14	2.14	2.13	2.13
18.7125	2.13	2.13	2.12	2.12	2.12
18.7750	2.11	2.11	2.11	2.11	2.10
18.8375	2.10	2.10	2.10	2.09	2.09
18.9000	2.09	2.09	2.08	2.08	2.08
18.9625	2.08	2.07	2.07	2.07	2.07
19.0250	2.06	2.06	2.06	2.06	2.05
19.0875	2.05	2.05	2.04	2.04	2.04
19.1500	2.04	2.03	2.03	2.03	2.03
19.2125	2.02	2.02	2.02	2.02	2.01
19.2750	2.01	2.01	2.01	2.00	2.00
19.3375	2.00	1.99	1.99	1.99	1.99
19.4000	1.98	1.98	1.98	1.98	1.97
19.4625	1.97	1.97	1.97	1.96	1.96
19.5250	1.96	1.96	1.95	1.95	1.95
19.5875	1.95	1.94	1.94	1.94	1.93
19.6500	1.93	1.93	1.93	1.92	1.92
19.7125	1.92	1.92	1.91	1.91	1.91
19.7750	1.91	1.90	1.90	1.90	1.90
19.8375	1.89	1.89	1.89	1.89	1.88
19.9000	1.88	1.88	1.87	1.87	1.87
19.9625	1.87	1.86	1.86	1.86	1.86
20.0250	1.85	1.85	1.85	1.85	1.84
20.0875	1.84	1.84	1.84	1.83	1.83
20.1500	1.83	1.83	1.82	1.82	1.82
20.2125	1.82	1.82	1.81	1.81	1.81
20.2750	1.81	1.81	1.80	1.80	1.80
20.3375	1.80	1.80	1.79	1.79	1.79
20.4000	1.79	1.78	1.78	1.78	1.78
20.4625	1.78	1.77	1.77	1.77	1.77
20.5250	1.77	1.76	1.76	1.76	1.76
20.5875	1.76	1.75	1.75	1.75	1.75
20.6500	1.75	1.75	1.74	1.74	1.74
20.7125	1.74	1.73	1.73	1.73	1.73
20.7750	1.72	1.72	1.72	1.72	1.72
20.8375	1.72	1.71	1.71	1.71	1.71
20.9000	1.71	1.70	1.70	1.70	1.70
20.9625	1.70	1.69	1.69	1.69	1.69
21.0250	1.69	1.69	1.68	1.68	1.68
21.0875	1.68	1.68	1.68	1.67	1.67
21.1500	1.67	1.67	1.67	1.66	1.66

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2125	1.66	1.66	1.65	1.65	1.65
21.2750	1.65	1.65	1.64	1.64	1.64
21.3375	1.64	1.64	1.63	1.63	1.63
21.4000	1.63	1.63	1.63	1.62	1.62
21.4625	1.62	1.62	1.62	1.61	1.61
21.5250	1.61	1.61	1.60	1.60	1.60
21.5875	1.60	1.60	1.59	1.59	1.59
21.6500	1.59	1.59	1.58	1.58	1.58
21.7125	1.58	1.58	1.58	1.57	1.57
21.7750	1.57	1.57	1.57	1.56	1.56
21.8375	1.56	1.56	1.56	1.56	1.55
21.9000	1.55	1.55	1.55	1.55	1.54
21.9625	1.54	1.54	1.54	1.54	1.53
22.0250	1.53	1.53	1.53	1.52	1.52
22.0875	1.52	1.52	1.52	1.52	1.51
22.1500	1.51	1.51	1.51	1.51	1.50
22.2125	1.50	1.50	1.50	1.50	1.49
22.2750	1.49	1.49	1.49	1.49	1.48
22.3375	1.48	1.48	1.48	1.47	1.47
22.4000	1.47	1.47	1.47	1.46	1.46
22.4625	1.46	1.46	1.46	1.46	1.45
22.5250	1.45	1.45	1.45	1.45	1.44
22.5875	1.44	1.44	1.44	1.44	1.44
22.6500	1.43	1.43	1.43	1.43	1.43
22.7125	1.43	1.42	1.42	1.42	1.42
22.7750	1.41	1.41	1.41	1.41	1.41
22.8375	1.40	1.40	1.40	1.40	1.40
22.9000	1.39	1.39	1.39	1.39	1.39
22.9625	1.38	1.38	1.38	1.38	1.38
23.0250	1.37	1.37	1.37	1.37	1.37
23.0875	1.36	1.36	1.36	1.36	1.35
23.1500	1.35	1.35	1.35	1.35	1.34
23.2125	1.34	1.34	1.34	1.34	1.34
23.2750	1.33	1.33	1.33	1.33	1.33
23.3375	1.32	1.32	1.32	1.32	1.32
23.4000	1.31	1.31	1.31	1.31	1.31
23.4625	1.31	1.31	1.30	1.30	1.30
23.5250	1.30	1.30	1.29	1.29	1.29
23.5875	1.29	1.28	1.28	1.28	1.28
23.6500	1.28	1.27	1.27	1.27	1.27
23.7125	1.27	1.26	1.26	1.26	1.26
23.7750	1.26	1.25	1.25	1.25	1.25
23.8375	1.25	1.25	1.24	1.24	1.24
23.9000	1.24	1.23	1.23	1.23	1.23
23.9625	1.22	1.22	1.22	1.21	1.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0250	1.20	1.18	1.17	1.14	1.11
24.0875	1.07	1.02	.97	.91	.85
24.1500	.78	.72	.66	.60	.53
24.2125	.48	.43	.38	.34	.30
24.2750	.26	.24	.21	.19	.17
24.3375	.15	.13	.12	.10	.09
24.4000	.08	.07	.06	.06	.05
24.4625	.04	.04	.03	.03	.03
24.5250	.02	.02	.02	.02	.01
24.5875	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

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=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-4       D.A. CC-4       work_pad.hyg  D.A. CC-4     25
=====

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INFLOWS TO: WQBASIN CC-4 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg D.A. CC-4     25           536153      12.1750      114.25

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TOTAL FLOW INTO: WQBASIN CC-4 IN

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-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg WQBASIN CC-4 IN  25           536153      12.1750      114.25

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TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 IN

HYG Tag = 25

 Peak Discharge = 114.25 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 536153 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
2.0375	.00	.00	.00	.00	.00
2.1000	.00	.01	.01	.01	.01
2.1625	.01	.02	.02	.02	.02
2.2250	.03	.03	.03	.04	.04
2.2875	.04	.05	.05	.06	.06
2.3500	.06	.07	.07	.08	.08
2.4125	.08	.09	.09	.10	.10
2.4750	.11	.11	.11	.12	.12
2.5375	.13	.13	.14	.14	.15
2.6000	.15	.15	.16	.16	.17
2.6625	.17	.18	.18	.19	.19
2.7250	.19	.20	.20	.21	.21
2.7875	.22	.22	.23	.23	.23
2.8500	.24	.24	.25	.25	.26
2.9125	.26	.27	.27	.28	.28
2.9750	.29	.29	.29	.30	.30
3.0375	.31	.31	.32	.32	.33
3.1000	.33	.34	.34	.35	.35
3.1625	.35	.36	.36	.37	.37
3.2250	.38	.38	.39	.39	.40
3.2875	.40	.41	.41	.42	.42
3.3500	.43	.43	.43	.44	.44
3.4125	.45	.45	.46	.46	.47
3.4750	.47	.48	.48	.49	.49
3.5375	.50	.50	.51	.51	.52
3.6000	.52	.53	.53	.53	.54
3.6625	.54	.55	.55	.56	.56
3.7250	.57	.57	.58	.58	.59
3.7875	.59	.60	.60	.61	.61
3.8500	.62	.62	.63	.63	.64
3.9125	.64	.65	.65	.66	.66

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.9750	.66	.67	.67	.68	.68
4.0375	.69	.69	.70	.70	.71
4.1000	.71	.72	.72	.73	.73
4.1625	.74	.74	.75	.75	.76
4.2250	.76	.77	.77	.78	.78
4.2875	.79	.79	.80	.80	.81
4.3500	.81	.82	.82	.83	.83
4.4125	.84	.84	.85	.85	.85
4.4750	.86	.86	.87	.87	.88
4.5375	.88	.89	.89	.90	.90
4.6000	.91	.91	.92	.92	.93
4.6625	.93	.94	.94	.95	.95
4.7250	.96	.96	.97	.97	.98
4.7875	.98	.99	.99	1.00	1.00
4.8500	1.01	1.01	1.02	1.02	1.03
4.9125	1.03	1.04	1.04	1.05	1.05
4.9750	1.06	1.06	1.07	1.07	1.08
5.0375	1.08	1.09	1.09	1.10	1.10
5.1000	1.11	1.11	1.12	1.12	1.12
5.1625	1.13	1.13	1.14	1.14	1.15
5.2250	1.15	1.16	1.16	1.17	1.17
5.2875	1.18	1.18	1.19	1.19	1.20
5.3500	1.20	1.21	1.21	1.22	1.22
5.4125	1.23	1.23	1.24	1.24	1.25
5.4750	1.25	1.26	1.26	1.27	1.27
5.5375	1.28	1.28	1.29	1.29	1.30
5.6000	1.30	1.31	1.31	1.32	1.32
5.6625	1.33	1.33	1.34	1.34	1.34
5.7250	1.35	1.35	1.36	1.36	1.37
5.7875	1.37	1.38	1.38	1.39	1.39
5.8500	1.40	1.40	1.41	1.41	1.42
5.9125	1.42	1.43	1.43	1.44	1.44
5.9750	1.45	1.45	1.46	1.46	1.47
6.0375	1.47	1.48	1.48	1.49	1.49
6.1000	1.50	1.50	1.51	1.52	1.52
6.1625	1.53	1.54	1.54	1.55	1.56
6.2250	1.56	1.57	1.58	1.59	1.60
6.2875	1.60	1.61	1.62	1.63	1.64
6.3500	1.65	1.66	1.66	1.67	1.68
6.4125	1.69	1.70	1.71	1.72	1.73
6.4750	1.74	1.75	1.76	1.77	1.78
6.5375	1.79	1.79	1.80	1.81	1.82
6.6000	1.83	1.84	1.85	1.86	1.87
6.6625	1.88	1.89	1.90	1.91	1.92
6.7250	1.93	1.94	1.95	1.96	1.97

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.7875	1.98	1.99	2.00	2.01	2.02
6.8500	2.03	2.04	2.05	2.06	2.07
6.9125	2.08	2.09	2.10	2.11	2.12
6.9750	2.13	2.14	2.15	2.16	2.17
7.0375	2.18	2.19	2.21	2.22	2.23
7.1000	2.24	2.25	2.26	2.27	2.28
7.1625	2.29	2.30	2.31	2.32	2.33
7.2250	2.34	2.35	2.36	2.37	2.38
7.2875	2.40	2.41	2.42	2.43	2.44
7.3500	2.45	2.46	2.47	2.48	2.49
7.4125	2.50	2.51	2.52	2.54	2.55
7.4750	2.56	2.57	2.58	2.59	2.60
7.5375	2.61	2.62	2.63	2.65	2.66
7.6000	2.67	2.68	2.69	2.70	2.71
7.6625	2.72	2.73	2.74	2.76	2.77
7.7250	2.78	2.79	2.80	2.81	2.82
7.7875	2.83	2.85	2.86	2.87	2.88
7.8500	2.89	2.90	2.91	2.92	2.93
7.9125	2.95	2.96	2.97	2.98	2.99
7.9750	3.00	3.02	3.03	3.04	3.05
8.0375	3.06	3.07	3.09	3.10	3.11
8.1000	3.12	3.14	3.15	3.17	3.18
8.1625	3.20	3.21	3.23	3.25	3.26
8.2250	3.28	3.30	3.32	3.34	3.36
8.2875	3.37	3.39	3.42	3.44	3.46
8.3500	3.48	3.50	3.52	3.54	3.56
8.4125	3.58	3.61	3.63	3.65	3.67
8.4750	3.69	3.72	3.74	3.76	3.78
8.5375	3.81	3.83	3.85	3.87	3.90
8.6000	3.92	3.94	3.96	3.99	4.01
8.6625	4.03	4.06	4.08	4.10	4.12
8.7250	4.15	4.17	4.19	4.22	4.24
8.7875	4.26	4.29	4.31	4.34	4.36
8.8500	4.38	4.41	4.43	4.45	4.48
8.9125	4.50	4.52	4.55	4.57	4.60
8.9750	4.62	4.64	4.67	4.69	4.72
9.0375	4.74	4.76	4.79	4.81	4.84
9.1000	4.86	4.88	4.91	4.93	4.96
9.1625	4.98	5.01	5.03	5.06	5.08
9.2250	5.10	5.13	5.15	5.18	5.20
9.2875	5.23	5.25	5.28	5.30	5.33
9.3500	5.35	5.37	5.40	5.42	5.45
9.4125	5.47	5.50	5.52	5.55	5.57
9.4750	5.60	5.62	5.65	5.67	5.70
9.5375	5.72	5.75	5.77	5.80	5.82

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.6000	5.85	5.87	5.90	5.92	5.95
9.6625	5.97	6.00	6.02	6.05	6.08
9.7250	6.10	6.13	6.15	6.18	6.20
9.7875	6.23	6.25	6.28	6.30	6.33
9.8500	6.36	6.38	6.41	6.43	6.46
9.9125	6.48	6.51	6.53	6.56	6.59
9.9750	6.61	6.64	6.66	6.69	6.71
10.0375	6.74	6.77	6.80	6.82	6.85
10.1000	6.88	6.91	6.94	6.98	7.01
10.1625	7.04	7.08	7.11	7.15	7.19
10.2250	7.23	7.27	7.31	7.35	7.40
10.2875	7.44	7.49	7.53	7.58	7.62
10.3500	7.67	7.71	7.76	7.81	7.86
10.4125	7.90	7.95	8.00	8.05	8.10
10.4750	8.15	8.19	8.24	8.29	8.34
10.5375	8.39	8.44	8.49	8.54	8.59
10.6000	8.64	8.69	8.74	8.79	8.84
10.6625	8.89	8.94	8.99	9.04	9.09
10.7250	9.14	9.19	9.25	9.30	9.35
10.7875	9.40	9.45	9.50	9.55	9.60
10.8500	9.65	9.70	9.75	9.80	9.85
10.9125	9.90	9.96	10.01	10.06	10.11
10.9750	10.16	10.21	10.26	10.32	10.37
11.0375	10.43	10.49	10.55	10.61	10.68
11.1000	10.75	10.83	10.91	11.00	11.10
11.1625	11.19	11.30	11.42	11.53	11.66
11.2250	11.79	11.93	12.07	12.21	12.36
11.2875	12.52	12.67	12.83	13.00	13.17
11.3500	13.33	13.50	13.67	13.85	14.02
11.4125	14.20	14.38	14.56	14.74	14.92
11.4750	15.10	15.29	15.48	15.68	15.92
11.5375	16.16	16.44	16.76	17.08	17.49
11.6000	17.95	18.40	19.02	19.64	20.30
11.6625	21.11	21.93	22.83	23.86	24.90
11.7250	26.04	27.26	28.48	29.81	31.16
11.7875	32.52	34.01	35.50	37.01	38.59
11.8500	40.16	41.76	43.38	45.00	46.83
11.9125	48.73	50.63	53.05	55.49	58.10
11.9750	61.45	64.80	68.49	72.65	76.82
12.0375	81.12	85.50	89.88	93.98	98.04
12.1000	102.01	105.10	108.20	110.79	112.31
12.1625	113.84	114.25	113.77	113.28	111.55
12.2250	109.46	107.37	104.47	101.57	98.60
12.2875	95.38	92.16	88.96	85.79	82.61
12.3500	79.73	76.97	74.21	71.72	69.26

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.4125	66.82	64.53	62.23	60.00	57.86
12.4750	55.72	53.64	51.60	49.56	47.61
12.5375	45.68	43.75	41.99	40.23	38.51
12.6000	36.92	35.33	33.83	32.44	31.04
12.6625	29.82	28.66	27.51	26.56	25.62
12.7250	24.71	23.95	23.20	22.50	21.90
12.7875	21.30	20.78	20.30	19.81	19.40
12.8500	19.00	18.60	18.26	17.92	17.59
12.9125	17.30	17.00	16.72	16.46	16.20
12.9750	15.96	15.72	15.48	15.25	15.03
13.0375	14.81	14.60	14.40	14.20	14.02
13.1000	13.83	13.66	13.49	13.32	13.17
13.1625	13.03	12.88	12.76	12.64	12.52
13.2250	12.41	12.31	12.21	12.12	12.03
13.2875	11.95	11.88	11.80	11.73	11.66
13.3500	11.59	11.53	11.47	11.41	11.35
13.4125	11.29	11.23	11.17	11.12	11.06
13.4750	11.01	10.96	10.90	10.85	10.80
13.5375	10.75	10.69	10.64	10.59	10.54
13.6000	10.49	10.44	10.39	10.34	10.29
13.6625	10.24	10.19	10.14	10.09	10.04
13.7250	9.99	9.94	9.89	9.84	9.79
13.7875	9.75	9.70	9.65	9.60	9.55
13.8500	9.50	9.45	9.40	9.35	9.30
13.9125	9.25	9.20	9.15	9.10	9.05
13.9750	9.01	8.96	8.91	8.86	8.81
14.0375	8.76	8.71	8.66	8.62	8.57
14.1000	8.53	8.48	8.44	8.39	8.35
14.1625	8.31	8.28	8.24	8.20	8.17
14.2250	8.13	8.10	8.07	8.04	8.01
14.2875	7.98	7.95	7.92	7.90	7.87
14.3500	7.84	7.82	7.79	7.76	7.74
14.4125	7.71	7.69	7.66	7.64	7.61
14.4750	7.59	7.57	7.54	7.52	7.49
14.5375	7.47	7.44	7.42	7.40	7.37
14.6000	7.35	7.32	7.30	7.28	7.25
14.6625	7.23	7.21	7.18	7.16	7.13
14.7250	7.11	7.09	7.06	7.04	7.02
14.7875	6.99	6.97	6.94	6.92	6.90
14.8500	6.87	6.85	6.83	6.80	6.78
14.9125	6.76	6.73	6.71	6.68	6.66
14.9750	6.64	6.61	6.59	6.57	6.54
15.0375	6.52	6.49	6.47	6.45	6.42
15.1000	6.40	6.38	6.35	6.33	6.30
15.1625	6.28	6.26	6.23	6.21	6.19

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2250	6.16	6.14	6.12	6.09	6.07
15.2875	6.04	6.02	6.00	5.97	5.95
15.3500	5.93	5.90	5.88	5.85	5.83
15.4125	5.81	5.78	5.76	5.74	5.71
15.4750	5.69	5.67	5.64	5.62	5.59
15.5375	5.57	5.55	5.52	5.50	5.48
15.6000	5.45	5.43	5.40	5.38	5.36
15.6625	5.33	5.31	5.29	5.26	5.24
15.7250	5.22	5.19	5.17	5.14	5.12
15.7875	5.10	5.07	5.05	5.02	5.00
15.8500	4.98	4.95	4.93	4.91	4.88
15.9125	4.86	4.83	4.81	4.79	4.76
15.9750	4.74	4.72	4.69	4.67	4.65
16.0375	4.62	4.60	4.58	4.56	4.53
16.1000	4.51	4.49	4.47	4.45	4.43
16.1625	4.41	4.40	4.38	4.36	4.35
16.2250	4.33	4.31	4.30	4.28	4.27
16.2875	4.26	4.24	4.23	4.22	4.21
16.3500	4.20	4.18	4.17	4.16	4.15
16.4125	4.14	4.13	4.12	4.10	4.09
16.4750	4.08	4.07	4.06	4.05	4.04
16.5375	4.03	4.02	4.01	4.00	3.99
16.6000	3.98	3.97	3.96	3.95	3.93
16.6625	3.92	3.91	3.90	3.89	3.88
16.7250	3.87	3.86	3.85	3.84	3.83
16.7875	3.82	3.81	3.80	3.79	3.78
16.8500	3.77	3.76	3.75	3.74	3.73
16.9125	3.72	3.71	3.70	3.69	3.68
16.9750	3.67	3.66	3.65	3.64	3.63
17.0375	3.61	3.60	3.59	3.58	3.57
17.1000	3.56	3.55	3.54	3.53	3.52
17.1625	3.51	3.50	3.49	3.48	3.47
17.2250	3.46	3.45	3.44	3.43	3.42
17.2875	3.41	3.40	3.39	3.38	3.37
17.3500	3.36	3.35	3.34	3.33	3.32
17.4125	3.31	3.29	3.28	3.27	3.26
17.4750	3.25	3.24	3.23	3.22	3.21
17.5375	3.20	3.19	3.18	3.17	3.16
17.6000	3.15	3.14	3.13	3.12	3.11
17.6625	3.10	3.09	3.08	3.07	3.06
17.7250	3.05	3.04	3.03	3.02	3.01
17.7875	3.00	2.98	2.97	2.96	2.95
17.8500	2.94	2.93	2.92	2.91	2.90
17.9125	2.89	2.88	2.87	2.86	2.85
17.9750	2.84	2.83	2.82	2.81	2.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.0375	2.79	2.78	2.77	2.76	2.75
18.1000	2.74	2.73	2.72	2.71	2.70
18.1625	2.70	2.69	2.68	2.68	2.67
18.2250	2.67	2.66	2.65	2.65	2.64
18.2875	2.64	2.64	2.63	2.63	2.62
18.3500	2.62	2.62	2.61	2.61	2.60
18.4125	2.60	2.60	2.59	2.59	2.59
18.4750	2.58	2.58	2.58	2.57	2.57
18.5375	2.57	2.56	2.56	2.56	2.55
18.6000	2.55	2.55	2.55	2.54	2.54
18.6625	2.54	2.53	2.53	2.53	2.52
18.7250	2.52	2.52	2.51	2.51	2.51
18.7875	2.50	2.50	2.50	2.50	2.49
18.8500	2.49	2.49	2.48	2.48	2.48
18.9125	2.47	2.47	2.47	2.46	2.46
18.9750	2.46	2.46	2.45	2.45	2.45
19.0375	2.44	2.44	2.44	2.43	2.43
19.1000	2.43	2.42	2.42	2.42	2.41
19.1625	2.41	2.41	2.41	2.40	2.40
19.2250	2.40	2.39	2.39	2.39	2.38
19.2875	2.38	2.38	2.37	2.37	2.37
19.3500	2.37	2.36	2.36	2.36	2.35
19.4125	2.35	2.35	2.34	2.34	2.34
19.4750	2.33	2.33	2.33	2.33	2.32
19.5375	2.32	2.32	2.31	2.31	2.31
19.6000	2.30	2.30	2.30	2.29	2.29
19.6625	2.29	2.29	2.28	2.28	2.28
19.7250	2.27	2.27	2.27	2.26	2.26
19.7875	2.26	2.25	2.25	2.25	2.24
19.8500	2.24	2.24	2.24	2.23	2.23
19.9125	2.23	2.22	2.22	2.22	2.21
19.9750	2.21	2.21	2.20	2.20	2.20
20.0375	2.20	2.19	2.19	2.19	2.18
20.1000	2.18	2.18	2.17	2.17	2.17
20.1625	2.16	2.16	2.16	2.16	2.15
20.2250	2.15	2.15	2.15	2.15	2.14
20.2875	2.14	2.14	2.14	2.13	2.13
20.3500	2.13	2.13	2.12	2.12	2.12
20.4125	2.12	2.11	2.11	2.11	2.11
20.4750	2.10	2.10	2.10	2.10	2.09
20.5375	2.09	2.09	2.09	2.09	2.08
20.6000	2.08	2.08	2.08	2.07	2.07
20.6625	2.07	2.07	2.06	2.06	2.06
20.7250	2.06	2.05	2.05	2.05	2.04
20.7875	2.04	2.04	2.04	2.04	2.03

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8500	2.03	2.03	2.03	2.03	2.02
20.9125	2.02	2.02	2.02	2.01	2.01
20.9750	2.01	2.01	2.01	2.00	2.00
21.0375	2.00	2.00	2.00	1.99	1.99
21.1000	1.99	1.99	1.98	1.98	1.98
21.1625	1.98	1.97	1.97	1.97	1.97
21.2250	1.96	1.96	1.96	1.96	1.95
21.2875	1.95	1.95	1.95	1.95	1.94
21.3500	1.94	1.94	1.94	1.93	1.93
21.4125	1.93	1.93	1.93	1.92	1.92
21.4750	1.92	1.92	1.91	1.91	1.91
21.5375	1.90	1.90	1.90	1.90	1.89
21.6000	1.89	1.89	1.89	1.89	1.88
21.6625	1.88	1.88	1.88	1.87	1.87
21.7250	1.87	1.87	1.87	1.86	1.86
21.7875	1.86	1.86	1.85	1.85	1.85
21.8500	1.85	1.85	1.84	1.84	1.84
21.9125	1.84	1.84	1.83	1.83	1.83
21.9750	1.83	1.82	1.82	1.82	1.82
22.0375	1.81	1.81	1.81	1.81	1.80
22.1000	1.80	1.80	1.80	1.79	1.79
22.1625	1.79	1.79	1.79	1.78	1.78
22.2250	1.78	1.78	1.77	1.77	1.77
22.2875	1.77	1.76	1.76	1.76	1.76
22.3500	1.75	1.75	1.75	1.74	1.74
22.4125	1.74	1.74	1.74	1.73	1.73
22.4750	1.73	1.73	1.73	1.72	1.72
22.5375	1.72	1.72	1.71	1.71	1.71
22.6000	1.71	1.71	1.70	1.70	1.70
22.6625	1.70	1.70	1.69	1.69	1.69
22.7250	1.69	1.68	1.68	1.68	1.68
22.7875	1.67	1.67	1.67	1.67	1.66
22.8500	1.66	1.66	1.66	1.65	1.65
22.9125	1.65	1.65	1.65	1.64	1.64
22.9750	1.64	1.64	1.63	1.63	1.63
23.0375	1.63	1.62	1.62	1.62	1.62
23.1000	1.61	1.61	1.61	1.61	1.60
23.1625	1.60	1.60	1.60	1.59	1.59
23.2250	1.59	1.59	1.59	1.58	1.58
23.2875	1.58	1.58	1.57	1.57	1.57
23.3500	1.57	1.57	1.56	1.56	1.56
23.4125	1.56	1.55	1.55	1.55	1.55
23.4750	1.55	1.55	1.54	1.54	1.54
23.5375	1.54	1.53	1.53	1.53	1.53
23.6000	1.52	1.52	1.52	1.51	1.51

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
23.6625	1.51	1.51	1.51	1.50	1.50
23.7250	1.50	1.50	1.49	1.49	1.49
23.7875	1.49	1.49	1.48	1.48	1.48
23.8500	1.48	1.47	1.47	1.47	1.47
23.9125	1.46	1.46	1.46	1.45	1.45
23.9750	1.45	1.45	1.44	1.43	1.42
24.0375	1.40	1.38	1.35	1.31	1.27
24.1000	1.21	1.15	1.08	1.01	.93
24.1625	.85	.78	.71	.63	.57
24.2250	.51	.45	.40	.35	.31
24.2875	.28	.25	.22	.20	.17
24.3500	.15	.14	.12	.11	.10
24.4125	.08	.08	.07	.06	.05
24.4750	.05	.04	.04	.03	.03
24.5375	.02	.02	.02	.02	.01
24.6000	.01	.01	.01	.01	.01
24.6625	.01	.01	.00	.00	.00
24.7250	.00	.00	.00	.00	.00
24.7875	.00				

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-4        D.A. CC-4        work_pad.hyg  D.A. CC-4     50
=====

```

INFLOWS TO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg  D.A. CC-4     50           582078      12.1750      123.51

```

TOTAL FLOW INTO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time     Peak Flow
              HYG ID        HYG tag      cu.ft       hrs           cfs
-----
work_pad.hyg  WQBASIN CC-4 IN  50           582078      12.1750      123.51

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 IN

HYG Tag = 50

 Peak Discharge = 123.51 cfs
 Time to Peak = 12.1750 hrs
 HYG Volume = 582078 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time | Output Time increment = .0125 hrs
 hrs | Time on left represents time for first value in each row.

Time hrs					
1.9000	.00	.00	.00	.00	.00
1.9625	.01	.01	.01	.01	.01
2.0250	.02	.02	.02	.03	.03
2.0875	.03	.04	.04	.04	.05
2.1500	.05	.06	.06	.06	.07
2.2125	.07	.08	.08	.09	.09
2.2750	.10	.10	.11	.11	.11
2.3375	.12	.12	.13	.13	.14
2.4000	.14	.15	.15	.16	.16
2.4625	.17	.17	.18	.18	.19
2.5250	.19	.20	.20	.21	.21
2.5875	.22	.22	.23	.23	.24
2.6500	.24	.25	.25	.26	.26
2.7125	.27	.27	.28	.28	.29
2.7750	.29	.30	.30	.31	.31
2.8375	.32	.32	.33	.33	.34
2.9000	.34	.35	.35	.36	.36
2.9625	.37	.37	.38	.38	.39
3.0250	.39	.40	.40	.41	.42
3.0875	.42	.43	.43	.44	.44
3.1500	.45	.45	.46	.46	.47
3.2125	.47	.48	.48	.49	.49
3.2750	.50	.50	.51	.51	.52
3.3375	.52	.53	.53	.54	.55
3.4000	.55	.56	.56	.57	.57
3.4625	.58	.58	.59	.59	.60
3.5250	.60	.61	.61	.62	.62
3.5875	.63	.63	.64	.65	.65
3.6500	.66	.66	.67	.67	.68
3.7125	.68	.69	.69	.70	.70
3.7750	.71	.71	.72	.72	.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.8375	.74	.74	.75	.75	.76
3.9000	.76	.77	.77	.78	.78
3.9625	.79	.79	.80	.80	.81
4.0250	.82	.82	.83	.83	.84
4.0875	.84	.85	.85	.86	.86
4.1500	.87	.87	.88	.88	.89
4.2125	.90	.90	.91	.91	.92
4.2750	.92	.93	.93	.94	.94
4.3375	.95	.95	.96	.96	.97
4.4000	.98	.98	.99	.99	1.00
4.4625	1.00	1.01	1.01	1.02	1.02
4.5250	1.03	1.03	1.04	1.05	1.05
4.5875	1.06	1.06	1.07	1.07	1.08
4.6500	1.08	1.09	1.09	1.10	1.10
4.7125	1.11	1.11	1.12	1.13	1.13
4.7750	1.14	1.14	1.15	1.15	1.16
4.8375	1.16	1.17	1.17	1.18	1.18
4.9000	1.19	1.19	1.20	1.21	1.21
4.9625	1.22	1.22	1.23	1.23	1.24
5.0250	1.24	1.25	1.25	1.26	1.26
5.0875	1.27	1.27	1.28	1.29	1.29
5.1500	1.30	1.30	1.31	1.31	1.32
5.2125	1.32	1.33	1.33	1.34	1.34
5.2750	1.35	1.35	1.36	1.36	1.37
5.3375	1.38	1.38	1.39	1.39	1.40
5.4000	1.40	1.41	1.41	1.42	1.42
5.4625	1.43	1.43	1.44	1.44	1.45
5.5250	1.45	1.46	1.47	1.47	1.48
5.5875	1.48	1.49	1.49	1.50	1.50
5.6500	1.51	1.51	1.52	1.52	1.53
5.7125	1.53	1.54	1.54	1.55	1.55
5.7750	1.56	1.57	1.57	1.58	1.58
5.8375	1.59	1.59	1.60	1.60	1.61
5.9000	1.61	1.62	1.62	1.63	1.63
5.9625	1.64	1.64	1.65	1.65	1.66
6.0250	1.66	1.67	1.68	1.68	1.69
6.0875	1.69	1.70	1.71	1.71	1.72
6.1500	1.73	1.73	1.74	1.75	1.75
6.2125	1.76	1.77	1.78	1.79	1.80
6.2750	1.80	1.81	1.82	1.83	1.84
6.3375	1.85	1.86	1.87	1.88	1.89
6.4000	1.90	1.91	1.92	1.93	1.94
6.4625	1.95	1.96	1.97	1.98	1.99
6.5250	2.00	2.01	2.02	2.03	2.05
6.5875	2.06	2.07	2.08	2.09	2.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.6500	2.11	2.12	2.13	2.14	2.15
6.7125	2.16	2.17	2.18	2.19	2.21
6.7750	2.22	2.23	2.24	2.25	2.26
6.8375	2.27	2.28	2.29	2.30	2.31
6.9000	2.33	2.34	2.35	2.36	2.37
6.9625	2.38	2.39	2.40	2.42	2.43
7.0250	2.44	2.45	2.46	2.47	2.48
7.0875	2.49	2.51	2.52	2.53	2.54
7.1500	2.55	2.56	2.58	2.59	2.60
7.2125	2.61	2.62	2.63	2.64	2.66
7.2750	2.67	2.68	2.69	2.70	2.71
7.3375	2.73	2.74	2.75	2.76	2.77
7.4000	2.78	2.80	2.81	2.82	2.83
7.4625	2.84	2.85	2.87	2.88	2.89
7.5250	2.90	2.91	2.93	2.94	2.95
7.5875	2.96	2.97	2.99	3.00	3.01
7.6500	3.02	3.03	3.05	3.06	3.07
7.7125	3.08	3.09	3.11	3.12	3.13
7.7750	3.14	3.15	3.17	3.18	3.19
7.8375	3.20	3.22	3.23	3.24	3.25
7.9000	3.26	3.28	3.29	3.30	3.31
7.9625	3.33	3.34	3.35	3.36	3.38
8.0250	3.39	3.40	3.41	3.43	3.44
8.0875	3.45	3.47	3.48	3.50	3.51
8.1500	3.53	3.55	3.56	3.58	3.60
8.2125	3.62	3.64	3.66	3.68	3.70
8.2750	3.72	3.74	3.76	3.78	3.81
8.3375	3.83	3.85	3.88	3.90	3.92
8.4000	3.94	3.97	3.99	4.02	4.04
8.4625	4.06	4.09	4.11	4.14	4.16
8.5250	4.18	4.21	4.23	4.26	4.28
8.5875	4.31	4.33	4.36	4.38	4.41
8.6500	4.43	4.46	4.48	4.51	4.53
8.7125	4.56	4.58	4.61	4.63	4.66
8.7750	4.68	4.71	4.73	4.76	4.79
8.8375	4.81	4.84	4.86	4.89	4.91
8.9000	4.94	4.96	4.99	5.02	5.04
8.9625	5.07	5.09	5.12	5.15	5.17
9.0250	5.20	5.22	5.25	5.28	5.30
9.0875	5.33	5.35	5.38	5.41	5.43
9.1500	5.46	5.49	5.51	5.54	5.56
9.2125	5.59	5.62	5.64	5.67	5.70
9.2750	5.72	5.75	5.78	5.80	5.83
9.3375	5.86	5.88	5.91	5.94	5.96
9.4000	5.99	6.02	6.04	6.07	6.10

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.4625	6.12	6.15	6.18	6.20	6.23
9.5250	6.26	6.28	6.31	6.34	6.37
9.5875	6.39	6.42	6.45	6.47	6.50
9.6500	6.53	6.55	6.58	6.61	6.64
9.7125	6.66	6.69	6.72	6.75	6.77
9.7750	6.80	6.83	6.86	6.88	6.91
9.8375	6.94	6.97	6.99	7.02	7.05
9.9000	7.07	7.10	7.13	7.16	7.19
9.9625	7.21	7.24	7.27	7.30	7.32
10.0250	7.35	7.38	7.41	7.44	7.47
10.0875	7.50	7.53	7.56	7.60	7.63
10.1500	7.67	7.70	7.74	7.78	7.82
10.2125	7.86	7.91	7.95	8.00	8.04
10.2750	8.09	8.14	8.18	8.23	8.28
10.3375	8.33	8.38	8.43	8.48	8.53
10.4000	8.58	8.64	8.69	8.74	8.79
10.4625	8.84	8.90	8.95	9.00	9.06
10.5250	9.11	9.16	9.22	9.27	9.32
10.5875	9.38	9.43	9.49	9.54	9.59
10.6500	9.65	9.70	9.76	9.81	9.86
10.7125	9.92	9.97	10.03	10.08	10.14
10.7750	10.19	10.25	10.30	10.35	10.41
10.8375	10.46	10.52	10.57	10.63	10.68
10.9000	10.74	10.79	10.85	10.90	10.96
10.9625	11.01	11.07	11.12	11.18	11.24
11.0250	11.29	11.36	11.42	11.49	11.56
11.0875	11.63	11.71	11.80	11.88	11.98
11.1500	12.08	12.18	12.30	12.42	12.55
11.2125	12.69	12.83	12.98	13.13	13.29
11.2750	13.45	13.61	13.78	13.96	14.14
11.3375	14.32	14.50	14.68	14.87	15.05
11.4000	15.24	15.44	15.63	15.83	16.02
11.4625	16.21	16.41	16.62	16.82	17.04
11.5250	17.30	17.56	17.86	18.20	18.55
11.5875	19.00	19.49	19.99	20.65	21.33
11.6500	22.04	22.92	23.81	24.78	25.90
11.7125	27.02	28.26	29.58	30.90	32.34
11.7750	33.80	35.27	36.89	38.50	40.14
11.8375	41.84	43.54	45.27	47.03	48.78
11.9000	50.75	52.81	54.86	57.48	60.11
11.9625	62.93	66.55	70.17	74.15	78.65
12.0250	83.15	87.80	92.52	97.25	101.67
12.0875	106.05	110.33	113.67	117.01	119.80
12.1500	121.43	123.07	123.51	122.97	122.44
12.2125	120.56	118.29	116.03	112.89	109.75

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2750	106.53	103.05	99.56	96.10	92.67
12.3375	89.24	86.11	83.13	80.15	77.46
12.4000	74.79	72.16	69.68	67.20	64.78
12.4625	62.47	60.15	57.91	55.71	53.51
12.5250	51.40	49.31	47.23	45.33	43.43
12.5875	41.57	39.85	38.13	36.52	35.01
12.6500	33.50	32.18	30.94	29.69	28.66
12.7125	27.65	26.67	25.85	25.03	24.28
12.7750	23.64	22.99	22.42	21.90	21.38
12.8375	20.94	20.50	20.07	19.71	19.34
12.9000	18.98	18.66	18.34	18.04	17.76
12.9625	17.48	17.22	16.96	16.70	16.46
13.0250	16.21	15.98	15.76	15.54	15.33
13.0875	15.12	14.92	14.73	14.55	14.37
13.1500	14.21	14.05	13.90	13.77	13.63
13.2125	13.51	13.39	13.28	13.17	13.08
13.2750	12.98	12.90	12.81	12.73	12.66
13.3375	12.58	12.51	12.44	12.37	12.31
13.4000	12.24	12.18	12.12	12.05	11.99
13.4625	11.94	11.88	11.82	11.76	11.70
13.5250	11.65	11.59	11.54	11.48	11.43
13.5875	11.37	11.32	11.26	11.21	11.15
13.6500	11.10	11.05	10.99	10.94	10.89
13.7125	10.83	10.78	10.72	10.67	10.62
13.7750	10.56	10.51	10.46	10.41	10.35
13.8375	10.30	10.25	10.19	10.14	10.09
13.9000	10.03	9.98	9.93	9.87	9.82
13.9625	9.77	9.71	9.66	9.61	9.55
14.0250	9.50	9.45	9.40	9.35	9.29
14.0875	9.25	9.20	9.15	9.10	9.05
14.1500	9.01	8.97	8.93	8.89	8.85
14.2125	8.81	8.77	8.74	8.70	8.67
14.2750	8.64	8.61	8.58	8.55	8.52
14.3375	8.49	8.46	8.43	8.40	8.37
14.4000	8.35	8.32	8.29	8.27	8.24
14.4625	8.21	8.19	8.16	8.13	8.11
14.5250	8.08	8.05	8.03	8.00	7.98
14.5875	7.95	7.93	7.90	7.87	7.85
14.6500	7.82	7.80	7.77	7.75	7.72
14.7125	7.69	7.67	7.64	7.62	7.59
14.7750	7.57	7.54	7.52	7.49	7.46
14.8375	7.44	7.41	7.39	7.36	7.34
14.9000	7.31	7.29	7.26	7.23	7.21
14.9625	7.18	7.16	7.13	7.11	7.08
15.0250	7.05	7.03	7.00	6.98	6.95

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0875	6.93	6.90	6.88	6.85	6.82
15.1500	6.80	6.77	6.75	6.72	6.70
15.2125	6.67	6.65	6.62	6.60	6.57
15.2750	6.54	6.52	6.49	6.47	6.44
15.3375	6.42	6.39	6.36	6.34	6.31
15.4000	6.29	6.26	6.24	6.21	6.19
15.4625	6.16	6.14	6.11	6.08	6.06
15.5250	6.03	6.01	5.98	5.96	5.93
15.5875	5.91	5.88	5.85	5.83	5.80
15.6500	5.78	5.75	5.73	5.70	5.68
15.7125	5.65	5.62	5.60	5.57	5.55
15.7750	5.52	5.50	5.47	5.44	5.42
15.8375	5.39	5.37	5.34	5.32	5.29
15.9000	5.27	5.24	5.21	5.19	5.16
15.9625	5.14	5.11	5.09	5.06	5.03
16.0250	5.01	4.98	4.96	4.94	4.91
16.0875	4.89	4.87	4.84	4.82	4.80
16.1500	4.78	4.76	4.74	4.72	4.70
16.2125	4.69	4.67	4.65	4.64	4.62
16.2750	4.61	4.59	4.58	4.56	4.55
16.3375	4.54	4.52	4.51	4.50	4.49
16.4000	4.47	4.46	4.45	4.44	4.43
16.4625	4.41	4.40	4.39	4.38	4.37
16.5250	4.36	4.34	4.33	4.32	4.31
16.5875	4.30	4.29	4.28	4.27	4.25
16.6500	4.24	4.23	4.22	4.21	4.20
16.7125	4.19	4.18	4.16	4.15	4.14
16.7750	4.13	4.12	4.11	4.10	4.09
16.8375	4.08	4.06	4.05	4.04	4.03
16.9000	4.02	4.01	4.00	3.99	3.98
16.9625	3.96	3.95	3.94	3.93	3.92
17.0250	3.91	3.90	3.89	3.87	3.86
17.0875	3.85	3.84	3.83	3.82	3.81
17.1500	3.80	3.79	3.78	3.76	3.75
17.2125	3.74	3.73	3.72	3.71	3.70
17.2750	3.69	3.67	3.66	3.65	3.64
17.3375	3.63	3.62	3.61	3.60	3.59
17.4000	3.58	3.56	3.55	3.54	3.53
17.4625	3.52	3.51	3.50	3.49	3.47
17.5250	3.46	3.45	3.44	3.43	3.42
17.5875	3.41	3.40	3.39	3.37	3.36
17.6500	3.35	3.34	3.33	3.32	3.31
17.7125	3.30	3.28	3.27	3.26	3.25
17.7750	3.24	3.23	3.22	3.21	3.20
17.8375	3.18	3.17	3.16	3.15	3.14

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9000	3.13	3.12	3.11	3.10	3.08
17.9625	3.07	3.06	3.05	3.04	3.03
18.0250	3.02	3.01	3.00	2.98	2.97
18.0875	2.96	2.95	2.94	2.93	2.92
18.1500	2.92	2.91	2.90	2.89	2.89
18.2125	2.88	2.87	2.87	2.86	2.86
18.2750	2.85	2.85	2.84	2.84	2.83
18.3375	2.83	2.82	2.82	2.82	2.81
18.4000	2.81	2.80	2.80	2.80	2.79
18.4625	2.79	2.79	2.78	2.78	2.78
18.5250	2.77	2.77	2.76	2.76	2.76
18.5875	2.75	2.75	2.75	2.74	2.74
18.6500	2.74	2.73	2.73	2.73	2.72
18.7125	2.72	2.72	2.71	2.71	2.71
18.7750	2.70	2.70	2.70	2.69	2.69
18.8375	2.69	2.68	2.68	2.68	2.67
18.9000	2.67	2.67	2.66	2.66	2.66
18.9625	2.65	2.65	2.65	2.64	2.64
19.0250	2.64	2.63	2.63	2.63	2.62
19.0875	2.62	2.62	2.61	2.61	2.61
19.1500	2.60	2.60	2.60	2.59	2.59
19.2125	2.59	2.58	2.58	2.58	2.57
19.2750	2.57	2.57	2.56	2.56	2.56
19.3375	2.55	2.55	2.55	2.54	2.54
19.4000	2.54	2.53	2.53	2.53	2.52
19.4625	2.52	2.52	2.51	2.51	2.51
19.5250	2.50	2.50	2.50	2.49	2.49
19.5875	2.49	2.48	2.48	2.48	2.47
19.6500	2.47	2.47	2.46	2.46	2.46
19.7125	2.45	2.45	2.45	2.44	2.44
19.7750	2.44	2.43	2.43	2.43	2.42
19.8375	2.42	2.42	2.41	2.41	2.41
19.9000	2.40	2.40	2.40	2.39	2.39
19.9625	2.39	2.38	2.38	2.38	2.37
20.0250	2.37	2.37	2.36	2.36	2.36
20.0875	2.35	2.35	2.35	2.34	2.34
20.1500	2.34	2.33	2.33	2.33	2.33
20.2125	2.32	2.32	2.32	2.32	2.31
20.2750	2.31	2.31	2.31	2.30	2.30
20.3375	2.30	2.30	2.29	2.29	2.29
20.4000	2.28	2.28	2.28	2.28	2.27
20.4625	2.27	2.27	2.27	2.26	2.26
20.5250	2.26	2.26	2.25	2.25	2.25
20.5875	2.25	2.24	2.24	2.24	2.24
20.6500	2.23	2.23	2.23	2.23	2.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7125	2.22	2.22	2.21	2.21	2.21
20.7750	2.20	2.20	2.20	2.20	2.20
20.8375	2.19	2.19	2.19	2.19	2.18
20.9000	2.18	2.18	2.18	2.17	2.17
20.9625	2.17	2.17	2.16	2.16	2.16
21.0250	2.16	2.16	2.15	2.15	2.15
21.0875	2.15	2.14	2.14	2.14	2.14
21.1500	2.13	2.13	2.13	2.13	2.12
21.2125	2.12	2.12	2.12	2.11	2.11
21.2750	2.11	2.10	2.10	2.10	2.10
21.3375	2.09	2.09	2.09	2.09	2.09
21.4000	2.08	2.08	2.08	2.08	2.07
21.4625	2.07	2.07	2.06	2.06	2.06
21.5250	2.06	2.05	2.05	2.05	2.04
21.5875	2.04	2.04	2.04	2.03	2.03
21.6500	2.03	2.03	2.03	2.02	2.02
21.7125	2.02	2.02	2.01	2.01	2.01
21.7750	2.01	2.00	2.00	2.00	2.00
21.8375	2.00	1.99	1.99	1.99	1.99
21.9000	1.98	1.98	1.98	1.98	1.97
21.9625	1.97	1.97	1.97	1.96	1.96
22.0250	1.96	1.95	1.95	1.95	1.95
22.0875	1.94	1.94	1.94	1.94	1.93
22.1500	1.93	1.93	1.93	1.92	1.92
22.2125	1.92	1.92	1.91	1.91	1.91
22.2750	1.91	1.90	1.90	1.90	1.90
22.3375	1.89	1.89	1.89	1.88	1.88
22.4000	1.88	1.88	1.87	1.87	1.87
22.4625	1.87	1.87	1.86	1.86	1.86
22.5250	1.86	1.85	1.85	1.85	1.85
22.5875	1.84	1.84	1.84	1.84	1.83
22.6500	1.83	1.83	1.83	1.83	1.82
22.7125	1.82	1.82	1.82	1.81	1.81
22.7750	1.81	1.81	1.80	1.80	1.80
22.8375	1.79	1.79	1.79	1.79	1.78
22.9000	1.78	1.78	1.78	1.77	1.77
22.9625	1.77	1.77	1.76	1.76	1.76
23.0250	1.76	1.75	1.75	1.75	1.75
23.0875	1.74	1.74	1.74	1.73	1.73
23.1500	1.73	1.73	1.72	1.72	1.72
23.2125	1.72	1.71	1.71	1.71	1.71
23.2750	1.70	1.70	1.70	1.70	1.69
23.3375	1.69	1.69	1.69	1.69	1.68
23.4000	1.68	1.68	1.68	1.67	1.67
23.4625	1.67	1.67	1.67	1.66	1.66

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5250	1.66	1.66	1.65	1.65	1.65
23.5875	1.64	1.64	1.64	1.64	1.63
23.6500	1.63	1.63	1.63	1.62	1.62
23.7125	1.62	1.62	1.61	1.61	1.61
23.7750	1.61	1.60	1.60	1.60	1.60
23.8375	1.59	1.59	1.59	1.59	1.58
23.9000	1.58	1.58	1.57	1.57	1.57
23.9625	1.57	1.56	1.56	1.55	1.54
24.0250	1.54	1.51	1.49	1.46	1.41
24.0875	1.37	1.31	1.23	1.16	1.08
24.1500	1.00	.92	.84	.76	.68
24.2125	.61	.55	.48	.43	.38
24.2750	.34	.30	.26	.24	.21
24.3375	.19	.17	.15	.13	.12
24.4000	.10	.09	.08	.07	.06
24.4625	.06	.05	.04	.04	.03
24.5250	.03	.03	.02	.02	.02
24.5875	.02	.01	.01	.01	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: WQBASIN CC-4 IN

HYG Directory: J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\

```

=====
Upstream Link ID  Upstream Node ID  HYG file      HYG ID        HYG tag
-----
REACH CC-4       D.A. CC-4       work_pad.hyg  D.A. CC-4     100
=====

```

INFLOWS TO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  D.A. CC-4     100          628046      12.1750     132.74
-----

```

TOTAL FLOW INTO: WQBASIN CC-4 IN

```

-----
HYG file      HYG ID        HYG tag      Volume      Peak Time    Peak Flow
-----
work_pad.hyg  WQBASIN CC-4 IN  100          628046      12.1750     132.74
-----

```

TOTAL NODE INFLOW...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 IN

HYG Tag = 100

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-----
Peak Discharge =      132.74 cfs
Time to Peak   =      12.1750 hrs
HYG Volume     =      628046 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
1.7750	.00	.00	.00	.00	.00
1.8375	.01	.01	.01	.01	.01
1.9000	.02	.02	.02	.03	.03
1.9625	.04	.04	.04	.05	.05
2.0250	.06	.06	.07	.07	.08
2.0875	.08	.09	.09	.10	.10
2.1500	.11	.11	.12	.12	.13
2.2125	.13	.14	.14	.15	.15
2.2750	.16	.16	.17	.17	.18
2.3375	.19	.19	.20	.20	.21
2.4000	.21	.22	.22	.23	.23
2.4625	.24	.25	.25	.26	.26
2.5250	.27	.27	.28	.28	.29
2.5875	.29	.30	.31	.31	.32
2.6500	.32	.33	.33	.34	.34
2.7125	.35	.36	.36	.37	.37
2.7750	.38	.38	.39	.39	.40
2.8375	.41	.41	.42	.42	.43
2.9000	.43	.44	.45	.45	.46
2.9625	.46	.47	.47	.48	.49
3.0250	.49	.50	.50	.51	.51
3.0875	.52	.52	.53	.54	.54
3.1500	.55	.55	.56	.56	.57
3.2125	.58	.58	.59	.59	.60
3.2750	.60	.61	.62	.62	.63
3.3375	.63	.64	.65	.65	.66
3.4000	.66	.67	.67	.68	.69
3.4625	.69	.70	.70	.71	.71
3.5250	.72	.73	.73	.74	.74
3.5875	.75	.75	.76	.77	.77
3.6500	.78	.78	.79	.79	.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.7125	.81	.81	.82	.82	.83
3.7750	.84	.84	.85	.85	.86
3.8375	.86	.87	.88	.88	.89
3.9000	.89	.90	.90	.91	.92
3.9625	.92	.93	.93	.94	.95
4.0250	.95	.96	.96	.97	.97
4.0875	.98	.99	.99	1.00	1.00
4.1500	1.01	1.02	1.02	1.03	1.03
4.2125	1.04	1.04	1.05	1.06	1.06
4.2750	1.07	1.07	1.08	1.08	1.09
4.3375	1.10	1.10	1.11	1.11	1.12
4.4000	1.13	1.13	1.14	1.14	1.15
4.4625	1.15	1.16	1.17	1.17	1.18
4.5250	1.18	1.19	1.19	1.20	1.21
4.5875	1.21	1.22	1.22	1.23	1.24
4.6500	1.24	1.25	1.25	1.26	1.26
4.7125	1.27	1.28	1.28	1.29	1.29
4.7750	1.30	1.30	1.31	1.32	1.32
4.8375	1.33	1.33	1.34	1.34	1.35
4.9000	1.36	1.36	1.37	1.37	1.38
4.9625	1.38	1.39	1.40	1.40	1.41
5.0250	1.41	1.42	1.42	1.43	1.44
5.0875	1.44	1.45	1.45	1.46	1.47
5.1500	1.47	1.48	1.48	1.49	1.49
5.2125	1.50	1.51	1.51	1.52	1.52
5.2750	1.53	1.53	1.54	1.54	1.55
5.3375	1.56	1.56	1.57	1.57	1.58
5.4000	1.58	1.59	1.60	1.60	1.61
5.4625	1.61	1.62	1.62	1.63	1.64
5.5250	1.64	1.65	1.65	1.66	1.66
5.5875	1.67	1.68	1.68	1.69	1.69
5.6500	1.70	1.70	1.71	1.71	1.72
5.7125	1.73	1.73	1.74	1.74	1.75
5.7750	1.75	1.76	1.77	1.77	1.78
5.8375	1.78	1.79	1.79	1.80	1.80
5.9000	1.81	1.82	1.82	1.83	1.83
5.9625	1.84	1.84	1.85	1.86	1.86
6.0250	1.87	1.87	1.88	1.88	1.89
6.0875	1.90	1.90	1.91	1.92	1.92
6.1500	1.93	1.94	1.95	1.96	1.96
6.2125	1.97	1.98	1.99	2.00	2.01
6.2750	2.02	2.03	2.04	2.05	2.06
6.3375	2.07	2.08	2.09	2.10	2.11
6.4000	2.12	2.13	2.14	2.15	2.17
6.4625	2.18	2.19	2.20	2.21	2.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
6.5250	2.23	2.24	2.26	2.27	2.28
6.5875	2.29	2.30	2.31	2.32	2.34
6.6500	2.35	2.36	2.37	2.38	2.39
6.7125	2.41	2.42	2.43	2.44	2.45
6.7750	2.47	2.48	2.49	2.50	2.51
6.8375	2.52	2.54	2.55	2.56	2.57
6.9000	2.58	2.60	2.61	2.62	2.63
6.9625	2.64	2.66	2.67	2.68	2.69
7.0250	2.71	2.72	2.73	2.74	2.75
7.0875	2.77	2.78	2.79	2.80	2.82
7.1500	2.83	2.84	2.85	2.87	2.88
7.2125	2.89	2.90	2.92	2.93	2.94
7.2750	2.95	2.96	2.98	2.99	3.00
7.3375	3.02	3.03	3.04	3.05	3.07
7.4000	3.08	3.09	3.10	3.12	3.13
7.4625	3.14	3.15	3.17	3.18	3.19
7.5250	3.21	3.22	3.23	3.24	3.26
7.5875	3.27	3.28	3.30	3.31	3.32
7.6500	3.33	3.35	3.36	3.37	3.39
7.7125	3.40	3.41	3.42	3.44	3.45
7.7750	3.46	3.48	3.49	3.50	3.52
7.8375	3.53	3.54	3.55	3.57	3.58
7.9000	3.59	3.61	3.62	3.63	3.65
7.9625	3.66	3.67	3.69	3.70	3.71
8.0250	3.73	3.74	3.75	3.77	3.78
8.0875	3.80	3.81	3.83	3.85	3.86
8.1500	3.88	3.90	3.92	3.93	3.96
8.2125	3.98	4.00	4.02	4.04	4.06
8.2750	4.08	4.11	4.13	4.16	4.18
8.3375	4.20	4.23	4.25	4.28	4.30
8.4000	4.33	4.35	4.38	4.41	4.43
8.4625	4.46	4.48	4.51	4.53	4.56
8.5250	4.59	4.61	4.64	4.67	4.69
8.5875	4.72	4.75	4.77	4.80	4.83
8.6500	4.85	4.88	4.91	4.93	4.96
8.7125	4.99	5.02	5.04	5.07	5.10
8.7750	5.13	5.15	5.18	5.21	5.24
8.8375	5.26	5.29	5.32	5.35	5.37
8.9000	5.40	5.43	5.46	5.48	5.51
8.9625	5.54	5.57	5.60	5.62	5.65
9.0250	5.68	5.71	5.74	5.76	5.79
9.0875	5.82	5.85	5.88	5.90	5.93
9.1500	5.96	5.99	6.02	6.04	6.07
9.2125	6.10	6.13	6.16	6.19	6.21
9.2750	6.24	6.27	6.30	6.33	6.36

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
9.3375	6.39	6.41	6.44	6.47	6.50
9.4000	6.53	6.56	6.59	6.61	6.64
9.4625	6.67	6.70	6.73	6.76	6.79
9.5250	6.82	6.85	6.87	6.90	6.93
9.5875	6.96	6.99	7.02	7.05	7.08
9.6500	7.11	7.14	7.16	7.19	7.22
9.7125	7.25	7.28	7.31	7.34	7.37
9.7750	7.40	7.43	7.46	7.49	7.52
9.8375	7.55	7.57	7.60	7.63	7.66
9.9000	7.69	7.72	7.75	7.78	7.81
9.9625	7.84	7.87	7.90	7.93	7.96
10.0250	7.99	8.02	8.05	8.08	8.11
10.0875	8.14	8.18	8.21	8.25	8.29
10.1500	8.33	8.36	8.41	8.45	8.49
10.2125	8.54	8.58	8.63	8.68	8.73
10.2750	8.78	8.83	8.88	8.93	8.98
10.3375	9.04	9.09	9.15	9.20	9.25
10.4000	9.31	9.37	9.42	9.48	9.53
10.4625	9.59	9.65	9.70	9.76	9.82
10.5250	9.87	9.93	9.99	10.05	10.10
10.5875	10.16	10.22	10.28	10.34	10.39
10.6500	10.45	10.51	10.57	10.63	10.68
10.7125	10.74	10.80	10.86	10.92	10.98
10.7750	11.03	11.09	11.15	11.21	11.27
10.8375	11.33	11.39	11.44	11.50	11.56
10.9000	11.62	11.68	11.74	11.80	11.86
10.9625	11.92	11.97	12.03	12.09	12.16
11.0250	12.22	12.28	12.35	12.42	12.50
11.0875	12.58	12.66	12.75	12.85	12.95
11.1500	13.06	13.17	13.30	13.43	13.56
11.2125	13.72	13.87	14.03	14.19	14.36
11.2750	14.53	14.71	14.89	15.08	15.27
11.3375	15.47	15.66	15.86	16.06	16.26
11.4000	16.46	16.67	16.88	17.09	17.30
11.4625	17.51	17.72	17.94	18.16	18.40
11.5250	18.68	18.95	19.28	19.65	20.02
11.5875	20.50	21.03	21.57	22.28	23.01
11.6500	23.78	24.73	25.68	26.73	27.93
11.7125	29.14	30.48	31.90	33.32	34.87
11.7750	36.44	38.02	39.76	41.49	43.26
11.8375	45.09	46.92	48.78	50.66	52.54
11.9000	54.67	56.87	59.08	61.89	64.72
11.9625	67.75	71.64	75.52	79.80	84.63
12.0250	89.47	94.45	99.53	104.60	109.35
12.0875	114.05	118.64	122.22	125.80	128.78

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.1500	130.53	132.28	132.74	132.16	131.58
12.2125	129.55	127.11	124.66	121.29	117.91
12.2750	114.45	110.70	106.95	103.23	99.54
12.3375	95.84	92.48	89.28	86.07	83.18
12.4000	80.32	77.48	74.82	72.15	69.55
12.4625	67.07	64.59	62.17	59.81	57.44
12.5250	55.18	52.94	50.70	48.66	46.62
12.5875	44.63	42.78	40.93	39.20	37.58
12.6500	35.96	34.54	33.21	31.87	30.76
12.7125	29.67	28.62	27.74	26.87	26.06
12.7750	25.37	24.67	24.06	23.51	22.95
12.8375	22.47	22.00	21.54	21.15	20.75
12.9000	20.37	20.03	19.68	19.36	19.06
12.9625	18.76	18.48	18.20	17.92	17.66
13.0250	17.40	17.14	16.91	16.67	16.45
13.0875	16.23	16.01	15.81	15.61	15.42
13.1500	15.25	15.08	14.91	14.77	14.63
13.2125	14.49	14.37	14.25	14.13	14.03
13.2750	13.93	13.84	13.75	13.66	13.58
13.3375	13.50	13.42	13.35	13.27	13.20
13.4000	13.14	13.07	13.00	12.93	12.87
13.4625	12.81	12.74	12.68	12.62	12.56
13.5250	12.50	12.44	12.38	12.32	12.26
13.5875	12.20	12.14	12.08	12.02	11.97
13.6500	11.91	11.85	11.79	11.74	11.68
13.7125	11.62	11.56	11.51	11.45	11.39
13.7750	11.33	11.28	11.22	11.16	11.11
13.8375	11.05	10.99	10.94	10.88	10.82
13.9000	10.76	10.71	10.65	10.59	10.53
13.9625	10.48	10.42	10.36	10.31	10.25
14.0250	10.19	10.14	10.08	10.03	9.97
14.0875	9.92	9.87	9.81	9.76	9.71
14.1500	9.67	9.62	9.58	9.53	9.49
14.2125	9.45	9.41	9.38	9.34	9.30
14.2750	9.27	9.23	9.20	9.17	9.14
14.3375	9.11	9.07	9.04	9.01	8.98
14.4000	8.95	8.92	8.90	8.87	8.84
14.4625	8.81	8.78	8.75	8.72	8.70
14.5250	8.67	8.64	8.61	8.58	8.56
14.5875	8.53	8.50	8.47	8.45	8.42
14.6500	8.39	8.36	8.34	8.31	8.28
14.7125	8.25	8.23	8.20	8.17	8.14
14.7750	8.12	8.09	8.06	8.03	8.01
14.8375	7.98	7.95	7.93	7.90	7.87
14.9000	7.84	7.82	7.79	7.76	7.73

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	7.70	7.68	7.65	7.62	7.60
15.0250	7.57	7.54	7.51	7.49	7.46
15.0875	7.43	7.40	7.38	7.35	7.32
15.1500	7.29	7.27	7.24	7.21	7.18
15.2125	7.16	7.13	7.10	7.07	7.05
15.2750	7.02	6.99	6.97	6.94	6.91
15.3375	6.88	6.85	6.83	6.80	6.77
15.4000	6.75	6.72	6.69	6.66	6.64
15.4625	6.61	6.58	6.55	6.53	6.50
15.5250	6.47	6.44	6.42	6.39	6.36
15.5875	6.33	6.31	6.28	6.25	6.22
15.6500	6.20	6.17	6.14	6.12	6.09
15.7125	6.06	6.03	6.00	5.98	5.95
15.7750	5.92	5.89	5.87	5.84	5.81
15.8375	5.78	5.76	5.73	5.70	5.68
15.9000	5.65	5.62	5.59	5.56	5.54
15.9625	5.51	5.48	5.45	5.43	5.40
16.0250	5.37	5.35	5.32	5.29	5.27
16.0875	5.24	5.22	5.20	5.17	5.15
16.1500	5.13	5.11	5.09	5.07	5.05
16.2125	5.03	5.01	4.99	4.97	4.96
16.2750	4.94	4.92	4.91	4.89	4.88
16.3375	4.87	4.85	4.84	4.83	4.81
16.4000	4.80	4.79	4.77	4.76	4.75
16.4625	4.73	4.72	4.71	4.70	4.68
16.5250	4.67	4.66	4.65	4.64	4.62
16.5875	4.61	4.60	4.59	4.58	4.56
16.6500	4.55	4.54	4.53	4.51	4.50
16.7125	4.49	4.48	4.47	4.46	4.44
16.7750	4.43	4.42	4.41	4.40	4.38
16.8375	4.37	4.36	4.35	4.34	4.32
16.9000	4.31	4.30	4.29	4.28	4.26
16.9625	4.25	4.24	4.23	4.22	4.20
17.0250	4.19	4.18	4.17	4.16	4.14
17.0875	4.13	4.12	4.11	4.10	4.09
17.1500	4.07	4.06	4.05	4.04	4.03
17.2125	4.01	4.00	3.99	3.98	3.97
17.2750	3.95	3.94	3.93	3.92	3.91
17.3375	3.89	3.88	3.87	3.86	3.85
17.4000	3.84	3.82	3.81	3.80	3.79
17.4625	3.77	3.76	3.75	3.74	3.73
17.5250	3.71	3.70	3.69	3.68	3.67
17.5875	3.66	3.64	3.63	3.62	3.61
17.6500	3.59	3.58	3.57	3.56	3.55
17.7125	3.53	3.52	3.51	3.50	3.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	3.48	3.46	3.45	3.44	3.43
17.8375	3.42	3.40	3.39	3.38	3.37
17.9000	3.36	3.34	3.33	3.32	3.31
17.9625	3.30	3.28	3.27	3.26	3.25
18.0250	3.24	3.22	3.21	3.20	3.19
18.0875	3.18	3.17	3.16	3.15	3.14
18.1500	3.13	3.12	3.11	3.10	3.10
18.2125	3.09	3.08	3.08	3.07	3.06
18.2750	3.06	3.05	3.05	3.04	3.04
18.3375	3.03	3.03	3.02	3.02	3.02
18.4000	3.01	3.01	3.00	3.00	3.00
18.4625	2.99	2.99	2.98	2.98	2.98
18.5250	2.97	2.97	2.97	2.96	2.96
18.5875	2.95	2.95	2.95	2.94	2.94
18.6500	2.94	2.93	2.93	2.93	2.92
18.7125	2.92	2.91	2.91	2.91	2.90
18.7750	2.90	2.90	2.89	2.89	2.89
18.8375	2.88	2.88	2.88	2.87	2.87
18.9000	2.86	2.86	2.86	2.85	2.85
18.9625	2.85	2.84	2.84	2.84	2.83
19.0250	2.83	2.82	2.82	2.82	2.81
19.0875	2.81	2.81	2.80	2.80	2.80
19.1500	2.79	2.79	2.79	2.78	2.78
19.2125	2.77	2.77	2.77	2.76	2.76
19.2750	2.76	2.75	2.75	2.75	2.74
19.3375	2.74	2.74	2.73	2.73	2.72
19.4000	2.72	2.72	2.71	2.71	2.71
19.4625	2.70	2.70	2.70	2.69	2.69
19.5250	2.69	2.68	2.68	2.67	2.67
19.5875	2.67	2.66	2.66	2.66	2.65
19.6500	2.65	2.65	2.64	2.64	2.64
19.7125	2.63	2.63	2.62	2.62	2.62
19.7750	2.61	2.61	2.61	2.60	2.60
19.8375	2.60	2.59	2.59	2.59	2.58
19.9000	2.58	2.57	2.57	2.57	2.56
19.9625	2.56	2.56	2.55	2.55	2.55
20.0250	2.54	2.54	2.53	2.53	2.53
20.0875	2.52	2.52	2.52	2.51	2.51
20.1500	2.51	2.50	2.50	2.50	2.49
20.2125	2.49	2.49	2.49	2.48	2.48
20.2750	2.48	2.48	2.47	2.47	2.47
20.3375	2.47	2.46	2.46	2.46	2.45
20.4000	2.45	2.45	2.44	2.44	2.44
20.4625	2.43	2.43	2.43	2.43	2.42
20.5250	2.42	2.42	2.42	2.41	2.41

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	2.41	2.41	2.40	2.40	2.40
20.6500	2.40	2.39	2.39	2.39	2.38
20.7125	2.38	2.38	2.37	2.37	2.37
20.7750	2.36	2.36	2.36	2.36	2.35
20.8375	2.35	2.35	2.35	2.34	2.34
20.9000	2.34	2.34	2.33	2.33	2.33
20.9625	2.33	2.32	2.32	2.32	2.32
21.0250	2.31	2.31	2.31	2.31	2.31
21.0875	2.30	2.30	2.30	2.29	2.29
21.1500	2.29	2.29	2.28	2.28	2.28
21.2125	2.27	2.27	2.27	2.27	2.26
21.2750	2.26	2.26	2.25	2.25	2.25
21.3375	2.25	2.24	2.24	2.24	2.24
21.4000	2.23	2.23	2.23	2.23	2.22
21.4625	2.22	2.22	2.21	2.21	2.21
21.5250	2.20	2.20	2.20	2.20	2.19
21.5875	2.19	2.19	2.18	2.18	2.18
21.6500	2.18	2.18	2.17	2.17	2.17
21.7125	2.16	2.16	2.16	2.16	2.15
21.7750	2.15	2.15	2.15	2.14	2.14
21.8375	2.14	2.14	2.14	2.13	2.13
21.9000	2.13	2.13	2.12	2.12	2.12
21.9625	2.11	2.11	2.11	2.11	2.10
22.0250	2.10	2.10	2.09	2.09	2.09
22.0875	2.08	2.08	2.08	2.08	2.07
22.1500	2.07	2.07	2.07	2.06	2.06
22.2125	2.06	2.06	2.05	2.05	2.05
22.2750	2.04	2.04	2.04	2.04	2.03
22.3375	2.03	2.03	2.02	2.02	2.02
22.4000	2.01	2.01	2.01	2.01	2.01
22.4625	2.00	2.00	2.00	2.00	1.99
22.5250	1.99	1.99	1.98	1.98	1.98
22.5875	1.98	1.97	1.97	1.97	1.97
22.6500	1.97	1.96	1.96	1.96	1.96
22.7125	1.95	1.95	1.95	1.94	1.94
22.7750	1.94	1.94	1.93	1.93	1.93
22.8375	1.92	1.92	1.92	1.92	1.91
22.9000	1.91	1.91	1.90	1.90	1.90
22.9625	1.90	1.89	1.89	1.89	1.89
23.0250	1.88	1.88	1.88	1.88	1.87
23.0875	1.87	1.87	1.86	1.86	1.86
23.1500	1.85	1.85	1.85	1.85	1.84
23.2125	1.84	1.84	1.84	1.83	1.83
23.2750	1.83	1.83	1.82	1.82	1.82
23.3375	1.81	1.81	1.81	1.81	1.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	1.80	1.80	1.80	1.80	1.79
23.4625	1.79	1.79	1.79	1.78	1.78
23.5250	1.78	1.78	1.77	1.77	1.77
23.5875	1.76	1.76	1.76	1.75	1.75
23.6500	1.75	1.75	1.74	1.74	1.74
23.7125	1.73	1.73	1.73	1.73	1.72
23.7750	1.72	1.72	1.72	1.71	1.71
23.8375	1.71	1.71	1.70	1.70	1.70
23.9000	1.69	1.69	1.69	1.68	1.68
23.9625	1.68	1.68	1.67	1.66	1.66
24.0250	1.65	1.62	1.60	1.57	1.52
24.0875	1.47	1.40	1.32	1.25	1.16
24.1500	1.07	.99	.90	.82	.73
24.2125	.66	.59	.52	.46	.41
24.2750	.36	.32	.28	.25	.23
24.3375	.20	.18	.16	.14	.12
24.4000	.11	.10	.09	.08	.07
24.4625	.06	.05	.05	.04	.04
24.5250	.03	.03	.03	.02	.02
24.5875	.02	.02	.01	.01	.01
24.6500	.01	.01	.01	.01	.00
24.7125	.00	.00	.00	.00	.00
24.7750	.00	.00			

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-4 IN 2
Outflow HYG file = work_pad.hyg - WQBASIN CC-4 OUT 2

Pond Node Data = WQBASIN CC-4
Pond Volume Data = WQBASIN CC-4
Pond Outlet Data = WQB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 250.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 58.15 cfs at 12.1750 hrs
Peak Outflow = 57.91 cfs at 12.1875 hrs

Peak Elevation = 259.31 ft
Peak Storage = 91646 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 262480
- Infiltration = 0
- HYG Vol OUT = 174573
- Retained Vol = 87907

Unrouted Vol = 0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 OUT

HYG Tag = 2

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-----
Peak Discharge =      57.91 cfs
Time to Peak   =     12.1875 hrs
HYG Volume     =     174573 cu.ft
-----

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HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	Output 1	Output 2	Output 3	Output 4	Output 5
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.00	.00	.00
11.2750	.00	.00	.00	.00	.00
11.3375	.00	.00	.00	.00	.00
11.4000	.00	.00	.00	.00	.00
11.4625	.00	.00	.00	.00	.00
11.5250	.00	.00	.00	.00	.00
11.5875	.00	.00	.00	.00	.00
11.6500	.00	.00	.00	.00	.00
11.7125	.00	.00	.00	.00	.00
11.7750	.00	.00	.00	.00	.00
11.8375	.00	.00	.00	.00	.00
11.9000	.00	.00	.00	.00	.00
11.9625	.00	.00	.00	.00	.00
12.0250	.00	.00	.00	.00	.00
12.0875	.00	.63	22.02	40.76	50.08
12.1500	54.21	56.49	57.56	57.91	57.88
12.2125	57.52	56.76	55.82	54.68	53.42
12.2750	52.08	50.61	49.04	47.45	45.85
12.3375	44.25	42.69	41.22	39.79	38.43
12.4000	37.13	35.87	34.64	33.46	32.29
12.4625	31.15	30.04	29.05	28.11	27.11
12.5250	26.10	25.10	24.10	23.13	22.19
12.5875	21.27	20.39	19.54	18.72	17.93
12.6500	17.18	16.47	15.81	15.18	14.60
12.7125	14.07	13.56	13.10	12.67	12.27
12.7750	11.90	11.57	11.26	10.97	10.70
12.8375	10.46	10.31	10.14	9.97	9.80
12.9000	9.63	9.46	9.29	9.13	8.98
12.9625	8.83	8.69	8.56	8.42	8.30
13.0250	8.17	8.05	7.93	7.82	7.71
13.0875	7.60	7.50	7.39	7.30	7.20
13.1500	7.11	7.03	6.95	6.87	6.80
13.2125	6.73	6.66	6.60	6.54	6.48
13.2750	6.43	6.38	6.33	6.29	6.25
13.3375	6.21	6.17	6.13	6.10	6.06
13.4000	6.03	6.00	5.96	5.93	5.90
13.4625	5.87	5.84	5.81	5.79	5.76
13.5250	5.73	5.70	5.68	5.65	5.62
13.5875	5.59	5.57	5.54	5.51	5.49
13.6500	5.46	5.44	5.41	5.38	5.36
13.7125	5.33	5.31	5.28	5.25	5.23
13.7750	5.20	5.18	5.15	5.13	5.10
13.8375	5.07	5.05	5.02	5.00	4.97
13.9000	4.95	4.92	4.90	4.87	4.84

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
13.9625	4.82	4.79	4.77	4.74	4.72
14.0250	4.69	4.66	4.64	4.61	4.59
14.0875	4.56	4.54	4.51	4.49	4.47
14.1500	4.44	4.42	4.40	4.38	4.36
14.2125	4.34	4.32	4.30	4.28	4.27
14.2750	4.25	4.23	4.22	4.20	4.19
14.3375	4.17	4.16	4.14	4.13	4.12
14.4000	4.10	4.09	4.07	4.06	4.05
14.4625	4.03	4.02	4.01	4.00	3.98
14.5250	3.97	3.96	3.95	3.93	3.92
14.5875	3.91	3.90	3.88	3.87	3.86
14.6500	3.85	3.83	3.82	3.81	3.80
14.7125	3.78	3.77	3.76	3.75	3.73
14.7750	3.72	3.71	3.70	3.68	3.67
14.8375	3.66	3.65	3.63	3.62	3.61
14.9000	3.60	3.59	3.57	3.56	3.55
14.9625	3.54	3.52	3.51	3.50	3.49
15.0250	3.47	3.46	3.45	3.44	3.42
15.0875	3.41	3.40	3.39	3.37	3.36
15.1500	3.35	3.34	3.32	3.31	3.30
15.2125	3.29	3.28	3.26	3.25	3.24
15.2750	3.23	3.21	3.20	3.19	3.18
15.3375	3.16	3.15	3.14	3.13	3.11
15.4000	3.10	3.09	3.08	3.06	3.05
15.4625	3.04	3.03	3.02	3.00	2.99
15.5250	2.98	2.97	2.95	2.94	2.93
15.5875	2.92	2.90	2.89	2.88	2.87
15.6500	2.85	2.84	2.83	2.82	2.80
15.7125	2.79	2.78	2.77	2.75	2.74
15.7750	2.73	2.72	2.70	2.69	2.68
15.8375	2.67	2.65	2.64	2.63	2.62
15.9000	2.60	2.59	2.58	2.57	2.55
15.9625	2.54	2.53	2.52	2.50	2.49
16.0250	2.48	2.47	2.45	2.44	2.43
16.0875	2.42	2.41	2.40	2.39	2.37
16.1500	2.36	2.35	2.34	2.33	2.32
16.2125	2.31	2.31	2.30	2.29	2.28
16.2750	2.27	2.26	2.26	2.25	2.24
16.3375	2.24	2.23	2.22	2.22	2.21
16.4000	2.20	2.20	2.19	2.19	2.18
16.4625	2.17	2.17	2.16	2.16	2.15
16.5250	2.14	2.14	2.13	2.13	2.12
16.5875	2.12	2.11	2.11	2.10	2.09
16.6500	2.09	2.08	2.08	2.07	2.07
16.7125	2.06	2.06	2.05	2.05	2.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
16.7750	2.03	2.03	2.02	2.02	2.01
16.8375	2.01	2.00	2.00	1.99	1.99
16.9000	1.98	1.97	1.97	1.96	1.96
16.9625	1.95	1.95	1.94	1.94	1.93
17.0250	1.93	1.92	1.92	1.91	1.90
17.0875	1.90	1.89	1.89	1.88	1.88
17.1500	1.87	1.87	1.86	1.86	1.85
17.2125	1.84	1.84	1.83	1.83	1.82
17.2750	1.82	1.81	1.81	1.80	1.80
17.3375	1.79	1.78	1.78	1.77	1.77
17.4000	1.76	1.76	1.75	1.75	1.74
17.4625	1.74	1.73	1.73	1.72	1.71
17.5250	1.71	1.70	1.70	1.69	1.69
17.5875	1.68	1.68	1.67	1.67	1.66
17.6500	1.65	1.65	1.64	1.64	1.63
17.7125	1.63	1.62	1.62	1.61	1.61
17.7750	1.60	1.59	1.59	1.58	1.58
17.8375	1.57	1.57	1.56	1.56	1.55
17.9000	1.55	1.54	1.53	1.53	1.52
17.9625	1.52	1.51	1.51	1.50	1.50
18.0250	1.49	1.49	1.48	1.48	1.47
18.0875	1.46	1.46	1.45	1.45	1.44
18.1500	1.44	1.43	1.43	1.43	1.42
18.2125	1.42	1.42	1.41	1.41	1.41
18.2750	1.40	1.40	1.40	1.40	1.39
18.3375	1.39	1.39	1.39	1.38	1.38
18.4000	1.38	1.38	1.38	1.37	1.37
18.4625	1.37	1.37	1.37	1.37	1.36
18.5250	1.36	1.36	1.36	1.36	1.35
18.5875	1.35	1.35	1.35	1.35	1.35
18.6500	1.34	1.34	1.34	1.34	1.34
18.7125	1.34	1.34	1.33	1.33	1.33
18.7750	1.33	1.33	1.33	1.32	1.32
18.8375	1.32	1.32	1.32	1.32	1.31
18.9000	1.31	1.31	1.31	1.31	1.31
18.9625	1.30	1.30	1.30	1.30	1.30
19.0250	1.30	1.29	1.29	1.29	1.29
19.0875	1.29	1.29	1.28	1.28	1.28
19.1500	1.28	1.28	1.28	1.27	1.27
19.2125	1.27	1.27	1.27	1.27	1.27
19.2750	1.26	1.26	1.26	1.26	1.26
19.3375	1.26	1.25	1.25	1.25	1.25
19.4000	1.25	1.25	1.24	1.24	1.24
19.4625	1.24	1.24	1.24	1.23	1.23
19.5250	1.23	1.23	1.23	1.23	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
19.5875	1.22	1.22	1.22	1.22	1.22
19.6500	1.21	1.21	1.21	1.21	1.21
19.7125	1.21	1.20	1.20	1.20	1.20
19.7750	1.20	1.20	1.19	1.19	1.19
19.8375	1.19	1.19	1.19	1.19	1.18
19.9000	1.18	1.18	1.18	1.18	1.18
19.9625	1.17	1.17	1.17	1.17	1.17
20.0250	1.17	1.16	1.16	1.16	1.16
20.0875	1.16	1.16	1.15	1.15	1.15
20.1500	1.15	1.15	1.15	1.14	1.14
20.2125	1.14	1.14	1.14	1.14	1.14
20.2750	1.14	1.13	1.13	1.13	1.13
20.3375	1.13	1.13	1.13	1.13	1.12
20.4000	1.12	1.12	1.12	1.12	1.12
20.4625	1.12	1.12	1.11	1.11	1.11
20.5250	1.11	1.11	1.11	1.11	1.11
20.5875	1.10	1.10	1.10	1.10	1.10
20.6500	1.10	1.10	1.10	1.09	1.09
20.7125	1.09	1.09	1.09	1.09	1.09
20.7750	1.08	1.08	1.08	1.08	1.08
20.8375	1.08	1.08	1.08	1.07	1.07
20.9000	1.07	1.07	1.07	1.07	1.07
20.9625	1.07	1.07	1.06	1.06	1.06
21.0250	1.06	1.06	1.06	1.06	1.06
21.0875	1.06	1.05	1.05	1.05	1.05
21.1500	1.05	1.05	1.05	1.05	1.04
21.2125	1.04	1.04	1.04	1.04	1.04
21.2750	1.04	1.04	1.03	1.03	1.03
21.3375	1.03	1.03	1.03	1.03	1.03
21.4000	1.02	1.02	1.02	1.02	1.02
21.4625	1.02	1.02	1.02	1.01	1.01
21.5250	1.01	1.01	1.01	1.01	1.01
21.5875	1.00	1.00	1.00	1.00	1.00
21.6500	1.00	1.00	1.00	1.00	.99
21.7125	.99	.99	.99	.99	.99
21.7750	.99	.99	.98	.98	.98
21.8375	.98	.98	.98	.98	.98
21.9000	.98	.98	.97	.97	.97
21.9625	.97	.97	.97	.97	.96
22.0250	.96	.96	.96	.96	.96
22.0875	.96	.96	.95	.95	.95
22.1500	.95	.95	.95	.95	.95
22.2125	.94	.94	.94	.94	.94
22.2750	.94	.94	.94	.93	.93
22.3375	.93	.93	.93	.93	.93

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
22.4000	.93	.92	.92	.92	.92
22.4625	.92	.92	.92	.92	.91
22.5250	.91	.91	.91	.91	.91
22.5875	.91	.91	.91	.90	.90
22.6500	.90	.90	.90	.90	.90
22.7125	.90	.90	.89	.89	.89
22.7750	.89	.89	.89	.89	.89
22.8375	.88	.88	.88	.88	.88
22.9000	.88	.88	.87	.87	.87
22.9625	.87	.87	.87	.87	.87
23.0250	.87	.86	.86	.86	.86
23.0875	.86	.86	.86	.85	.85
23.1500	.85	.85	.85	.85	.85
23.2125	.85	.84	.84	.84	.84
23.2750	.84	.84	.84	.84	.83
23.3375	.83	.83	.83	.83	.83
23.4000	.83	.83	.83	.82	.82
23.4625	.82	.82	.82	.82	.82
23.5250	.82	.82	.81	.81	.81
23.5875	.81	.81	.81	.81	.81
23.6500	.80	.80	.80	.80	.80
23.7125	.80	.80	.79	.79	.79
23.7750	.79	.79	.79	.79	.79
23.8375	.79	.78	.78	.78	.78
23.9000	.78	.78	.78	.77	.77
23.9625	.77	.77	.77	.77	.77
24.0250	.76	.76	.75	.74	.73
24.0875	.71	.70	.67	.64	.61
24.1500	.58	.54	.51	.47	.43
24.2125	.39	.36	.32	.29	.26
24.2750	.23	.21	.19	.16	.15
24.3375	.13	.12	.10	.09	.08
24.4000	.07	.06	.06	.05	.04
24.4625	.04	.04	.03	.03	.02
24.5250	.02	.02	.02	.01	.01
24.5875	.01	.01	.01	.01	.01
24.6500	.01	.01	.00	.00	.00
24.7125	.00	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-4 IN 10
Outflow HYG file = work_pad.hyg - WQBASIN CC-4 OUT 10

Pond Node Data = WQBASIN CC-4
Pond Volume Data = WQBASIN CC-4
Pond Outlet Data = WQB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 250.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 95.68 cfs at 12.1750 hrs
Peak Outflow = 95.42 cfs at 12.1875 hrs

Peak Elevation = 259.44 ft
Peak Storage = 93135 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 444482
- Infiltration = 0
- HYG Vol OUT = 356575
- Retained Vol = 87907

Unrouted Vol = - cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 OUT

HYG Tag = 10

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Peak Discharge =      95.42 cfs
Time to Peak   =      12.1875 hrs
HYG Volume     =      356575 cu.ft
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HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	Output	Output	Output	Output	Output
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	.00	.00	.00	.00	.00
10.7750	.00	.00	.00	.00	.00
10.8375	.00	.00	.00	.00	.00
10.9000	.00	.00	.00	.00	.00
10.9625	.00	.00	.00	.00	.00
11.0250	.00	.00	.00	.00	.00
11.0875	.00	.00	.00	.00	.00
11.1500	.00	.00	.00	.00	.00
11.2125	.00	.00	.00	.00	.00
11.2750	.00	.00	.00	.00	.00
11.3375	.00	.00	.00	.00	.00
11.4000	.00	.00	.00	.00	.00
11.4625	.00	.00	.00	2.54	5.94
11.5250	8.28	9.92	11.48	12.66	13.36
11.5875	13.85	14.27	14.67	15.10	15.57
11.6500	16.08	16.64	17.26	17.93	18.67
11.7125	19.48	20.34	21.26	22.24	23.26
11.7750	24.33	25.43	26.58	27.78	29.01
11.8375	30.42	31.87	33.24	34.60	35.95
11.9000	37.37	38.87	40.43	42.15	44.07
11.9625	46.12	48.45	51.09	53.92	57.38
12.0250	60.90	64.44	68.06	71.72	75.31
12.0875	78.80	82.20	85.46	88.32	90.84
12.1500	92.76	94.21	95.19	95.42	95.17
12.2125	94.42	93.04	91.38	89.41	87.10
12.2750	84.68	82.24	79.71	77.07	74.42
12.3375	71.76	69.19	66.77	64.43	62.19
12.4000	60.07	58.00	55.99	54.06	52.34
12.4625	50.54	48.75	46.97	45.23	43.51
12.5250	41.82	40.16	38.53	36.95	35.44
12.5875	33.96	32.54	31.17	29.85	28.74
12.6500	27.66	26.57	25.52	24.52	23.58
12.7125	22.71	21.90	21.14	20.45	19.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.7750	19.21	18.66	18.16	17.69	17.26
12.8375	16.86	16.49	16.14	15.81	15.50
12.9000	15.21	14.93	14.67	14.42	14.18
12.9625	13.95	13.73	13.52	13.31	13.11
13.0250	12.92	12.73	12.54	12.37	12.19
13.0875	12.03	11.87	11.71	11.56	11.41
13.1500	11.27	11.14	11.02	10.90	10.79
13.2125	10.68	10.58	10.49	10.41	10.36
13.2750	10.30	10.23	10.17	10.10	10.04
13.3375	9.97	9.91	9.86	9.80	9.74
13.4000	9.69	9.64	9.59	9.54	9.49
13.4625	9.44	9.39	9.34	9.30	9.25
13.5250	9.21	9.16	9.12	9.07	9.03
13.5875	8.99	8.94	8.90	8.86	8.82
13.6500	8.77	8.73	8.69	8.65	8.61
13.7125	8.56	8.52	8.48	8.44	8.40
13.7750	8.35	8.31	8.27	8.23	8.19
13.8375	8.15	8.11	8.06	8.02	7.98
13.9000	7.94	7.90	7.86	7.82	7.77
13.9625	7.73	7.69	7.65	7.61	7.57
14.0250	7.52	7.48	7.44	7.40	7.36
14.0875	7.32	7.28	7.24	7.20	7.17
14.1500	7.13	7.09	7.06	7.03	6.99
14.2125	6.96	6.93	6.90	6.87	6.84
14.2750	6.82	6.79	6.76	6.74	6.71
14.3375	6.69	6.67	6.64	6.62	6.60
14.4000	6.58	6.55	6.53	6.51	6.49
14.4625	6.47	6.45	6.43	6.41	6.39
14.5250	6.36	6.34	6.32	6.30	6.28
14.5875	6.26	6.24	6.22	6.20	6.18
14.6500	6.16	6.14	6.12	6.10	6.08
14.7125	6.06	6.04	6.02	6.00	5.98
14.7750	5.96	5.94	5.92	5.90	5.88
14.8375	5.86	5.84	5.82	5.80	5.78
14.9000	5.76	5.74	5.72	5.70	5.68
14.9625	5.66	5.64	5.62	5.60	5.58
15.0250	5.56	5.54	5.52	5.50	5.48
15.0875	5.46	5.44	5.42	5.40	5.38
15.1500	5.36	5.34	5.32	5.30	5.28
15.2125	5.26	5.24	5.22	5.20	5.18
15.2750	5.16	5.14	5.13	5.11	5.09
15.3375	5.07	5.05	5.03	5.01	4.99
15.4000	4.97	4.95	4.93	4.91	4.89
15.4625	4.87	4.85	4.83	4.81	4.79
15.5250	4.77	4.75	4.73	4.71	4.69

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.5875	4.67	4.65	4.63	4.61	4.59
15.6500	4.57	4.55	4.53	4.51	4.49
15.7125	4.47	4.45	4.43	4.41	4.39
15.7750	4.37	4.35	4.33	4.31	4.29
15.8375	4.27	4.25	4.23	4.21	4.19
15.9000	4.17	4.15	4.13	4.11	4.09
15.9625	4.07	4.05	4.03	4.01	3.99
16.0250	3.97	3.95	3.93	3.91	3.89
16.0875	3.87	3.85	3.83	3.82	3.80
16.1500	3.78	3.76	3.75	3.73	3.72
16.2125	3.70	3.69	3.67	3.66	3.65
16.2750	3.63	3.62	3.61	3.60	3.59
16.3375	3.57	3.56	3.55	3.54	3.53
16.4000	3.52	3.51	3.50	3.49	3.48
16.4625	3.47	3.47	3.46	3.45	3.44
16.5250	3.43	3.42	3.41	3.40	3.39
16.5875	3.38	3.38	3.37	3.36	3.35
16.6500	3.34	3.33	3.32	3.31	3.30
16.7125	3.30	3.29	3.28	3.27	3.26
16.7750	3.25	3.24	3.24	3.23	3.22
16.8375	3.21	3.20	3.19	3.18	3.17
16.9000	3.16	3.16	3.15	3.14	3.13
16.9625	3.12	3.11	3.10	3.10	3.09
17.0250	3.08	3.07	3.06	3.05	3.04
17.0875	3.03	3.03	3.02	3.01	3.00
17.1500	2.99	2.98	2.97	2.97	2.96
17.2125	2.95	2.94	2.93	2.92	2.91
17.2750	2.90	2.90	2.89	2.88	2.87
17.3375	2.86	2.85	2.84	2.84	2.83
17.4000	2.82	2.81	2.80	2.79	2.78
17.4625	2.77	2.77	2.76	2.75	2.74
17.5250	2.73	2.72	2.71	2.70	2.70
17.5875	2.69	2.68	2.67	2.66	2.65
17.6500	2.64	2.63	2.63	2.62	2.61
17.7125	2.60	2.59	2.58	2.57	2.56
17.7750	2.56	2.55	2.54	2.53	2.52
17.8375	2.51	2.50	2.50	2.49	2.48
17.9000	2.47	2.46	2.45	2.44	2.43
17.9625	2.43	2.42	2.41	2.40	2.39
18.0250	2.38	2.37	2.36	2.36	2.35
18.0875	2.34	2.33	2.32	2.31	2.31
18.1500	2.30	2.29	2.29	2.28	2.27
18.2125	2.27	2.26	2.26	2.25	2.25
18.2750	2.24	2.24	2.23	2.23	2.23
18.3375	2.22	2.22	2.21	2.21	2.21

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
18.4000	2.20	2.20	2.20	2.19	2.19
18.4625	2.19	2.19	2.18	2.18	2.18
18.5250	2.17	2.17	2.17	2.17	2.16
18.5875	2.16	2.16	2.16	2.15	2.15
18.6500	2.15	2.15	2.14	2.14	2.14
18.7125	2.13	2.13	2.13	2.13	2.12
18.7750	2.12	2.12	2.12	2.11	2.11
18.8375	2.11	2.11	2.10	2.10	2.10
18.9000	2.10	2.09	2.09	2.09	2.09
18.9625	2.08	2.08	2.08	2.07	2.07
19.0250	2.07	2.07	2.06	2.06	2.06
19.0875	2.06	2.05	2.05	2.05	2.05
19.1500	2.04	2.04	2.04	2.04	2.03
19.2125	2.03	2.03	2.02	2.02	2.02
19.2750	2.02	2.01	2.01	2.01	2.01
19.3375	2.00	2.00	2.00	2.00	1.99
19.4000	1.99	1.99	1.99	1.98	1.98
19.4625	1.98	1.98	1.97	1.97	1.97
19.5250	1.97	1.96	1.96	1.96	1.95
19.5875	1.95	1.95	1.95	1.94	1.94
19.6500	1.94	1.94	1.93	1.93	1.93
19.7125	1.93	1.92	1.92	1.92	1.92
19.7750	1.91	1.91	1.91	1.90	1.90
19.8375	1.90	1.90	1.89	1.89	1.89
19.9000	1.89	1.88	1.88	1.88	1.88
19.9625	1.87	1.87	1.87	1.87	1.86
20.0250	1.86	1.86	1.86	1.85	1.85
20.0875	1.85	1.85	1.84	1.84	1.84
20.1500	1.83	1.83	1.83	1.83	1.82
20.2125	1.82	1.82	1.82	1.82	1.81
20.2750	1.81	1.81	1.81	1.81	1.81
20.3375	1.80	1.80	1.80	1.80	1.79
20.4000	1.79	1.79	1.79	1.79	1.78
20.4625	1.78	1.78	1.78	1.78	1.77
20.5250	1.77	1.77	1.77	1.77	1.76
20.5875	1.76	1.76	1.76	1.76	1.75
20.6500	1.75	1.75	1.75	1.75	1.74
20.7125	1.74	1.74	1.74	1.73	1.73
20.7750	1.73	1.73	1.73	1.72	1.72
20.8375	1.72	1.72	1.72	1.71	1.71
20.9000	1.71	1.71	1.71	1.71	1.70
20.9625	1.70	1.70	1.70	1.70	1.69
21.0250	1.69	1.69	1.69	1.69	1.69
21.0875	1.68	1.68	1.68	1.68	1.68
21.1500	1.67	1.67	1.67	1.67	1.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
21.2125	1.66	1.66	1.66	1.66	1.66
21.2750	1.65	1.65	1.65	1.65	1.65
21.3375	1.64	1.64	1.64	1.64	1.64
21.4000	1.63	1.63	1.63	1.63	1.63
21.4625	1.62	1.62	1.62	1.62	1.62
21.5250	1.61	1.61	1.61	1.61	1.61
21.5875	1.60	1.60	1.60	1.60	1.59
21.6500	1.59	1.59	1.59	1.59	1.59
21.7125	1.58	1.58	1.58	1.58	1.58
21.7750	1.57	1.57	1.57	1.57	1.57
21.8375	1.57	1.56	1.56	1.56	1.56
21.9000	1.56	1.56	1.55	1.55	1.55
21.9625	1.55	1.55	1.54	1.54	1.54
22.0250	1.54	1.53	1.53	1.53	1.53
22.0875	1.53	1.52	1.52	1.52	1.52
22.1500	1.52	1.51	1.51	1.51	1.51
22.2125	1.51	1.50	1.50	1.50	1.50
22.2750	1.50	1.50	1.49	1.49	1.49
22.3375	1.49	1.48	1.48	1.48	1.48
22.4000	1.48	1.47	1.47	1.47	1.47
22.4625	1.47	1.46	1.46	1.46	1.46
22.5250	1.46	1.45	1.45	1.45	1.45
22.5875	1.45	1.45	1.44	1.44	1.44
22.6500	1.44	1.44	1.43	1.43	1.43
22.7125	1.43	1.43	1.43	1.42	1.42
22.7750	1.42	1.42	1.42	1.41	1.41
22.8375	1.41	1.41	1.40	1.40	1.40
22.9000	1.40	1.40	1.39	1.39	1.39
22.9625	1.39	1.39	1.39	1.38	1.38
23.0250	1.38	1.38	1.38	1.37	1.37
23.0875	1.37	1.37	1.37	1.36	1.36
23.1500	1.36	1.36	1.35	1.35	1.35
23.2125	1.35	1.35	1.34	1.34	1.34
23.2750	1.34	1.34	1.33	1.33	1.33
23.3375	1.33	1.33	1.33	1.32	1.32
23.4000	1.32	1.32	1.32	1.31	1.31
23.4625	1.31	1.31	1.31	1.31	1.30
23.5250	1.30	1.30	1.30	1.30	1.29
23.5875	1.29	1.29	1.29	1.29	1.28
23.6500	1.28	1.28	1.28	1.28	1.27
23.7125	1.27	1.27	1.27	1.27	1.26
23.7750	1.26	1.26	1.26	1.26	1.25
23.8375	1.25	1.25	1.25	1.25	1.24
23.9000	1.24	1.24	1.24	1.24	1.23
23.9625	1.23	1.23	1.23	1.22	1.22

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	HYDROGRAPH ORDINATES (cfs)				
	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
24.0250	1.21	1.21	1.20	1.18	1.16
24.0875	1.14	1.11	1.07	1.03	.98
24.1500	.92	.87	.81	.75	.69
24.2125	.63	.57	.52	.46	.42
24.2750	.37	.33	.30	.26	.23
24.3375	.21	.18	.16	.15	.13
24.4000	.12	.10	.09	.08	.07
24.4625	.06	.06	.05	.04	.04
24.5250	.03	.03	.03	.02	.02
24.5875	.02	.02	.01	.01	.01
24.6500	.01	.01	.01	.01	.01
24.7125	.00	.00	.00	.00	.00
24.7750	.00				

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-4 IN 25
Outflow HYG file = work_pad.hyg - WQBASIN CC-4 OUT 25

Pond Node Data = WQBASIN CC-4
Pond Volume Data = WQBASIN CC-4
Pond Outlet Data = WQB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 250.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 114.25 cfs at 12.1750 hrs
Peak Outflow = 113.93 cfs at 12.1875 hrs

Peak Elevation = 259.49 ft
Peak Storage = 93811 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 536153
- Infiltration = 0
- HYG Vol OUT = 448246
- Retained Vol = 87907

Unrouted Vol = 0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 OUT

HYG Tag = 25

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Peak Discharge =      113.93 cfs
Time to Peak   =      12.1875 hrs
HYG Volume     =      448246 cu.ft
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HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	Output	Time	increment	Output	Time	increment	Output	Time	increment	Output
2.0375	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.1625	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.2250	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.2875	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.3500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.4125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.4750	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.5375	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.6000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.6625	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.7250	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.7875	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.8500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.9125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.9750	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.0375	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.1000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.1625	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.2250	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.2875	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.3500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.4125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.4750	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.5375	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.6000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.6625	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.7250	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.7875	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.8500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3.9125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
3.9750	.00	.00	.00	.00	.00
4.0375	.00	.00	.00	.00	.00
4.1000	.00	.00	.00	.00	.00
4.1625	.00	.00	.00	.00	.00
4.2250	.00	.00	.00	.00	.00
4.2875	.00	.00	.00	.00	.00
4.3500	.00	.00	.00	.00	.00
4.4125	.00	.00	.00	.00	.00
4.4750	.00	.00	.00	.00	.00
4.5375	.00	.00	.00	.00	.00
4.6000	.00	.00	.00	.00	.00
4.6625	.00	.00	.00	.00	.00
4.7250	.00	.00	.00	.00	.00
4.7875	.00	.00	.00	.00	.00
4.8500	.00	.00	.00	.00	.00
4.9125	.00	.00	.00	.00	.00
4.9750	.00	.00	.00	.00	.00
5.0375	.00	.00	.00	.00	.00
5.1000	.00	.00	.00	.00	.00
5.1625	.00	.00	.00	.00	.00
5.2250	.00	.00	.00	.00	.00
5.2875	.00	.00	.00	.00	.00
5.3500	.00	.00	.00	.00	.00
5.4125	.00	.00	.00	.00	.00
5.4750	.00	.00	.00	.00	.00
5.5375	.00	.00	.00	.00	.00
5.6000	.00	.00	.00	.00	.00
5.6625	.00	.00	.00	.00	.00
5.7250	.00	.00	.00	.00	.00
5.7875	.00	.00	.00	.00	.00
5.8500	.00	.00	.00	.00	.00
5.9125	.00	.00	.00	.00	.00
5.9750	.00	.00	.00	.00	.00
6.0375	.00	.00	.00	.00	.00
6.1000	.00	.00	.00	.00	.00
6.1625	.00	.00	.00	.00	.00
6.2250	.00	.00	.00	.00	.00
6.2875	.00	.00	.00	.00	.00
6.3500	.00	.00	.00	.00	.00
6.4125	.00	.00	.00	.00	.00
6.4750	.00	.00	.00	.00	.00
6.5375	.00	.00	.00	.00	.00
6.6000	.00	.00	.00	.00	.00
6.6625	.00	.00	.00	.00	.00
6.7250	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
6.7875	.00	.00	.00	.00	.00
6.8500	.00	.00	.00	.00	.00
6.9125	.00	.00	.00	.00	.00
6.9750	.00	.00	.00	.00	.00
7.0375	.00	.00	.00	.00	.00
7.1000	.00	.00	.00	.00	.00
7.1625	.00	.00	.00	.00	.00
7.2250	.00	.00	.00	.00	.00
7.2875	.00	.00	.00	.00	.00
7.3500	.00	.00	.00	.00	.00
7.4125	.00	.00	.00	.00	.00
7.4750	.00	.00	.00	.00	.00
7.5375	.00	.00	.00	.00	.00
7.6000	.00	.00	.00	.00	.00
7.6625	.00	.00	.00	.00	.00
7.7250	.00	.00	.00	.00	.00
7.7875	.00	.00	.00	.00	.00
7.8500	.00	.00	.00	.00	.00
7.9125	.00	.00	.00	.00	.00
7.9750	.00	.00	.00	.00	.00
8.0375	.00	.00	.00	.00	.00
8.1000	.00	.00	.00	.00	.00
8.1625	.00	.00	.00	.00	.00
8.2250	.00	.00	.00	.00	.00
8.2875	.00	.00	.00	.00	.00
8.3500	.00	.00	.00	.00	.00
8.4125	.00	.00	.00	.00	.00
8.4750	.00	.00	.00	.00	.00
8.5375	.00	.00	.00	.00	.00
8.6000	.00	.00	.00	.00	.00
8.6625	.00	.00	.00	.00	.00
8.7250	.00	.00	.00	.00	.00
8.7875	.00	.00	.00	.00	.00
8.8500	.00	.00	.00	.00	.00
8.9125	.00	.00	.00	.00	.00
8.9750	.00	.00	.00	.00	.00
9.0375	.00	.00	.00	.00	.00
9.1000	.00	.00	.00	.00	.00
9.1625	.00	.00	.00	.00	.00
9.2250	.00	.00	.00	.00	.00
9.2875	.00	.00	.00	.00	.00
9.3500	.00	.00	.00	.00	.00
9.4125	.00	.00	.00	.00	.00
9.4750	.00	.00	.00	.00	.00
9.5375	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.6000	.00	.00	.00	.00	.00
9.6625	.00	.00	.00	.00	.00
9.7250	.00	.00	.00	.00	.00
9.7875	.00	.00	.00	.00	.00
9.8500	.00	.00	.00	.00	.00
9.9125	.00	.00	.00	.00	.00
9.9750	.00	.00	.00	.00	.00
10.0375	.00	.00	.00	.00	.00
10.1000	.00	.00	.00	.00	.00
10.1625	.00	.00	.00	.00	.00
10.2250	.00	.00	.00	.00	.00
10.2875	.00	.00	.00	.00	.00
10.3500	.00	.00	.00	.00	.00
10.4125	.00	.00	.00	.00	.00
10.4750	.00	.00	.00	.00	.00
10.5375	.00	.00	.00	.00	.00
10.6000	.00	.00	.00	.00	.00
10.6625	.00	.00	.00	.00	.00
10.7250	.00	.00	.00	.00	.00
10.7875	.00	.00	.00	.00	.00
10.8500	.00	.00	.00	.00	.00
10.9125	.00	.00	.00	.00	.46
10.9750	3.65	5.80	7.26	8.26	8.95
11.0375	9.42	9.76	10.01	10.20	10.35
11.1000	10.49	10.65	10.77	10.87	10.97
11.1625	11.06	11.16	11.27	11.38	11.49
11.2250	11.62	11.75	11.88	12.02	12.16
11.2875	12.31	12.46	12.61	12.77	12.94
11.3500	13.10	13.27	13.44	13.61	13.78
11.4125	13.95	14.13	14.31	14.49	14.67
11.4750	14.85	15.03	15.22	15.41	15.62
11.5375	15.84	16.08	16.36	16.65	16.98
11.6000	17.37	17.80	18.28	18.84	19.44
11.6625	20.11	20.85	21.66	22.55	23.52
11.7250	24.55	25.66	26.83	28.05	29.34
11.7875	30.88	32.39	33.89	35.39	36.92
11.8500	38.47	40.05	41.64	43.26	44.94
11.9125	46.74	48.60	50.65	52.94	55.52
11.9750	58.53	61.77	65.21	69.00	73.05
12.0375	77.23	81.53	86.07	90.54	94.71
12.1000	98.76	102.42	105.65	108.59	110.85
12.1625	112.55	113.69	113.93	113.62	112.70
12.2250	111.03	109.04	106.66	103.89	100.99
12.2875	97.94	94.76	91.56	88.37	85.19
12.3500	82.22	79.49	76.73	74.07	71.54

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.4125	69.07	66.67	64.35	62.06	59.85
12.4750	57.68	55.56	53.56	51.67	49.72
12.5375	47.77	45.84	43.96	42.16	40.39
12.6000	38.70	37.07	35.49	34.00	32.57
12.6625	31.22	29.97	28.90	27.91	26.95
12.7250	26.01	25.12	24.30	23.54	22.83
12.7875	22.18	21.58	21.03	20.51	20.04
12.8500	19.59	19.18	18.78	18.42	18.07
12.9125	17.74	17.43	17.13	16.84	16.57
12.9750	16.31	16.06	15.82	15.58	15.35
13.0375	15.12	14.90	14.69	14.49	14.29
13.1000	14.10	13.91	13.73	13.56	13.39
13.1625	13.24	13.09	12.95	12.82	12.69
13.2250	12.57	12.46	12.35	12.25	12.16
13.2875	12.07	11.99	11.91	11.83	11.76
13.3500	11.69	11.62	11.56	11.49	11.43
13.4125	11.37	11.31	11.25	11.20	11.14
13.4750	11.09	11.03	10.98	10.92	10.87
13.5375	10.82	10.77	10.71	10.66	10.61
13.6000	10.56	10.51	10.46	10.42	10.39
13.6625	10.35	10.30	10.26	10.21	10.16
13.7250	10.11	10.07	10.02	9.97	9.92
13.7875	9.87	9.82	9.77	9.72	9.67
13.8500	9.62	9.57	9.52	9.48	9.43
13.9125	9.38	9.33	9.28	9.23	9.18
13.9750	9.13	9.08	9.03	8.98	8.93
14.0375	8.88	8.83	8.79	8.74	8.69
14.1000	8.64	8.60	8.55	8.51	8.46
14.1625	8.42	8.38	8.34	8.30	8.26
14.2250	8.23	8.19	8.16	8.12	8.09
14.2875	8.06	8.03	8.00	7.97	7.94
14.3500	7.91	7.88	7.86	7.83	7.80
14.4125	7.78	7.75	7.73	7.70	7.68
14.4750	7.65	7.63	7.60	7.58	7.55
14.5375	7.53	7.51	7.48	7.46	7.43
14.6000	7.41	7.38	7.36	7.34	7.31
14.6625	7.29	7.27	7.24	7.22	7.19
14.7250	7.17	7.15	7.12	7.10	7.08
14.7875	7.05	7.03	7.00	6.98	6.96
14.8500	6.93	6.91	6.89	6.86	6.84
14.9125	6.82	6.79	6.77	6.74	6.72
14.9750	6.70	6.67	6.65	6.63	6.60
15.0375	6.58	6.55	6.53	6.51	6.48
15.1000	6.46	6.44	6.41	6.39	6.36
15.1625	6.34	6.32	6.29	6.27	6.25

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.2250	6.22	6.20	6.18	6.15	6.13
15.2875	6.10	6.08	6.06	6.03	6.01
15.3500	5.99	5.96	5.94	5.91	5.89
15.4125	5.87	5.84	5.82	5.80	5.77
15.4750	5.75	5.73	5.70	5.68	5.65
15.5375	5.63	5.61	5.58	5.56	5.54
15.6000	5.51	5.49	5.47	5.44	5.42
15.6625	5.39	5.37	5.35	5.32	5.30
15.7250	5.28	5.25	5.23	5.20	5.18
15.7875	5.16	5.13	5.11	5.08	5.06
15.8500	5.04	5.01	4.99	4.97	4.94
15.9125	4.92	4.90	4.87	4.85	4.82
15.9750	4.80	4.78	4.75	4.73	4.71
16.0375	4.68	4.66	4.64	4.61	4.59
16.1000	4.57	4.55	4.53	4.50	4.48
16.1625	4.46	4.45	4.43	4.41	4.39
16.2250	4.37	4.36	4.34	4.32	4.31
16.2875	4.29	4.28	4.27	4.25	4.24
16.3500	4.23	4.21	4.20	4.19	4.18
16.4125	4.17	4.16	4.14	4.13	4.12
16.4750	4.11	4.10	4.09	4.08	4.07
16.5375	4.06	4.05	4.04	4.02	4.01
16.6000	4.00	3.99	3.98	3.97	3.96
16.6625	3.95	3.94	3.93	3.92	3.91
16.7250	3.90	3.89	3.88	3.87	3.86
16.7875	3.85	3.84	3.83	3.82	3.81
16.8500	3.80	3.79	3.77	3.76	3.75
16.9125	3.74	3.73	3.72	3.71	3.70
16.9750	3.69	3.68	3.67	3.66	3.65
17.0375	3.64	3.63	3.62	3.61	3.60
17.1000	3.59	3.58	3.57	3.56	3.55
17.1625	3.54	3.53	3.52	3.51	3.50
17.2250	3.49	3.48	3.47	3.46	3.44
17.2875	3.43	3.42	3.41	3.40	3.39
17.3500	3.38	3.37	3.36	3.35	3.34
17.4125	3.33	3.32	3.31	3.30	3.29
17.4750	3.28	3.27	3.26	3.25	3.24
17.5375	3.23	3.22	3.21	3.20	3.19
17.6000	3.18	3.17	3.16	3.15	3.13
17.6625	3.12	3.11	3.10	3.09	3.08
17.7250	3.07	3.06	3.05	3.04	3.03
17.7875	3.02	3.01	3.00	2.99	2.98
17.8500	2.97	2.96	2.95	2.94	2.93
17.9125	2.92	2.91	2.90	2.89	2.88
17.9750	2.87	2.86	2.85	2.84	2.83

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

18.0375	2.81	2.80	2.79	2.78	2.77
18.1000	2.76	2.75	2.74	2.74	2.73
18.1625	2.72	2.71	2.70	2.69	2.69
18.2250	2.68	2.67	2.67	2.66	2.66
18.2875	2.65	2.65	2.64	2.64	2.63
18.3500	2.63	2.63	2.62	2.62	2.61
18.4125	2.61	2.61	2.60	2.60	2.60
18.4750	2.59	2.59	2.59	2.58	2.58
18.5375	2.58	2.57	2.57	2.57	2.56
18.6000	2.56	2.56	2.55	2.55	2.55
18.6625	2.54	2.54	2.54	2.53	2.53
18.7250	2.53	2.53	2.52	2.52	2.52
18.7875	2.51	2.51	2.51	2.50	2.50
18.8500	2.50	2.49	2.49	2.49	2.48
18.9125	2.48	2.48	2.48	2.47	2.47
18.9750	2.47	2.46	2.46	2.46	2.45
19.0375	2.45	2.45	2.44	2.44	2.44
19.1000	2.44	2.43	2.43	2.43	2.42
19.1625	2.42	2.42	2.41	2.41	2.41
19.2250	2.40	2.40	2.40	2.39	2.39
19.2875	2.39	2.39	2.38	2.38	2.38
19.3500	2.37	2.37	2.37	2.36	2.36
19.4125	2.36	2.35	2.35	2.35	2.35
19.4750	2.34	2.34	2.34	2.33	2.33
19.5375	2.33	2.32	2.32	2.32	2.31
19.6000	2.31	2.31	2.30	2.30	2.30
19.6625	2.30	2.29	2.29	2.29	2.28
19.7250	2.28	2.28	2.27	2.27	2.27
19.7875	2.26	2.26	2.26	2.26	2.25
19.8500	2.25	2.25	2.24	2.24	2.24
19.9125	2.23	2.23	2.23	2.22	2.22
19.9750	2.22	2.22	2.21	2.21	2.21
20.0375	2.20	2.20	2.20	2.19	2.19
20.1000	2.19	2.18	2.18	2.18	2.18
20.1625	2.17	2.17	2.17	2.16	2.16
20.2250	2.16	2.16	2.15	2.15	2.15
20.2875	2.15	2.14	2.14	2.14	2.14
20.3500	2.14	2.13	2.13	2.13	2.13
20.4125	2.12	2.12	2.12	2.11	2.11
20.4750	2.11	2.11	2.10	2.10	2.10
20.5375	2.10	2.10	2.09	2.09	2.09
20.6000	2.09	2.08	2.08	2.08	2.08
20.6625	2.08	2.07	2.07	2.07	2.07
20.7250	2.06	2.06	2.06	2.05	2.05
20.7875	2.05	2.05	2.04	2.04	2.04

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.8500	2.04	2.04	2.03	2.03	2.03
20.9125	2.03	2.02	2.02	2.02	2.02
20.9750	2.02	2.01	2.01	2.01	2.01
21.0375	2.00	2.00	2.00	2.00	2.00
21.1000	1.99	1.99	1.99	1.99	1.99
21.1625	1.98	1.98	1.98	1.98	1.97
21.2250	1.97	1.97	1.97	1.96	1.96
21.2875	1.96	1.96	1.95	1.95	1.95
21.3500	1.95	1.94	1.94	1.94	1.94
21.4125	1.94	1.93	1.93	1.93	1.93
21.4750	1.92	1.92	1.92	1.92	1.91
21.5375	1.91	1.91	1.91	1.90	1.90
21.6000	1.90	1.90	1.89	1.89	1.89
21.6625	1.89	1.88	1.88	1.88	1.88
21.7250	1.88	1.87	1.87	1.87	1.87
21.7875	1.86	1.86	1.86	1.86	1.86
21.8500	1.85	1.85	1.85	1.85	1.85
21.9125	1.84	1.84	1.84	1.84	1.83
21.9750	1.83	1.83	1.83	1.82	1.82
22.0375	1.82	1.82	1.81	1.81	1.81
22.1000	1.81	1.80	1.80	1.80	1.80
22.1625	1.80	1.79	1.79	1.79	1.79
22.2250	1.78	1.78	1.78	1.78	1.77
22.2875	1.77	1.77	1.77	1.76	1.76
22.3500	1.76	1.76	1.75	1.75	1.75
22.4125	1.75	1.74	1.74	1.74	1.74
22.4750	1.74	1.73	1.73	1.73	1.73
22.5375	1.72	1.72	1.72	1.72	1.72
22.6000	1.71	1.71	1.71	1.71	1.70
22.6625	1.70	1.70	1.70	1.70	1.69
22.7250	1.69	1.69	1.69	1.69	1.68
22.7875	1.68	1.68	1.68	1.67	1.67
22.8500	1.67	1.67	1.66	1.66	1.66
22.9125	1.66	1.65	1.65	1.65	1.65
22.9750	1.64	1.64	1.64	1.64	1.64
23.0375	1.63	1.63	1.63	1.63	1.62
23.1000	1.62	1.62	1.62	1.61	1.61
23.1625	1.61	1.61	1.60	1.60	1.60
23.2250	1.60	1.59	1.59	1.59	1.59
23.2875	1.58	1.58	1.58	1.58	1.58
23.3500	1.57	1.57	1.57	1.57	1.56
23.4125	1.56	1.56	1.56	1.56	1.55
23.4750	1.55	1.55	1.55	1.55	1.54
23.5375	1.54	1.54	1.54	1.53	1.53
23.6000	1.53	1.53	1.52	1.52	1.52

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Time on left represents time for first value in each row.				
23.6625	1.52	1.51	1.51	1.51	1.51
23.7250	1.50	1.50	1.50	1.50	1.50
23.7875	1.49	1.49	1.49	1.49	1.48
23.8500	1.48	1.48	1.48	1.47	1.47
23.9125	1.47	1.47	1.46	1.46	1.46
23.9750	1.46	1.45	1.45	1.45	1.44
24.0375	1.43	1.42	1.40	1.38	1.35
24.1000	1.31	1.27	1.22	1.16	1.10
24.1625	1.03	.96	.89	.82	.75
24.2250	.68	.61	.55	.49	.44
24.2875	.39	.35	.31	.28	.25
24.3500	.22	.19	.17	.15	.14
24.4125	.12	.11	.10	.08	.08
24.4750	.07	.06	.05	.05	.04
24.5375	.04	.03	.03	.02	.02
24.6000	.02	.02	.01	.01	.01
24.6625	.01	.01	.01	.01	.01
24.7250	.00	.00	.00	.00	.00
24.7875	.00				

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-4 IN 50
Outflow HYG file = work_pad.hyg - WQBASIN CC-4 OUT 50

Pond Node Data = WQBASIN CC-4
Pond Volume Data = WQBASIN CC-4
Pond Outlet Data = WQB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 250.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 123.51 cfs at 12.1750 hrs
Peak Outflow = 123.20 cfs at 12.1875 hrs

Peak Elevation = 259.52 ft
Peak Storage = 94127 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 582078
- Infiltration = 0
- HYG Vol OUT = 494170
- Retained Vol = 87907

Unrouted Vol = 0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 OUT

HYG Tag = 50

```

-----
Peak Discharge =      123.20 cfs
Time to Peak   =      12.1875 hrs
HYG Volume     =      494170 cu.ft
-----

```

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
Time on left represents time for first value in each row.

Time hrs	Output 1	Output 2	Output 3	Output 4	Output 5
1.9000	.00	.00	.00	.00	.00
1.9625	.00	.00	.00	.00	.00
2.0250	.00	.00	.00	.00	.00
2.0875	.00	.00	.00	.00	.00
2.1500	.00	.00	.00	.00	.00
2.2125	.00	.00	.00	.00	.00
2.2750	.00	.00	.00	.00	.00
2.3375	.00	.00	.00	.00	.00
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	.00	.00	.00	.00	.00
10.5250	.00	.00	.00	.00	.00
10.5875	.00	.00	.00	.00	.00
10.6500	.00	.00	.00	.00	.00
10.7125	3.07	5.34	6.87	7.92	8.64
10.7750	9.14	9.50	9.75	9.94	10.09
10.8375	10.20	10.30	10.38	10.46	10.56
10.9000	10.64	10.71	10.77	10.82	10.88
10.9625	10.94	10.99	11.05	11.10	11.16
11.0250	11.21	11.27	11.33	11.40	11.46
11.0875	11.53	11.60	11.68	11.76	11.85
11.1500	11.95	12.04	12.15	12.26	12.38
11.2125	12.51	12.64	12.78	12.93	13.08
11.2750	13.23	13.39	13.55	13.72	13.89
11.3375	14.07	14.25	14.43	14.61	14.80
11.4000	14.98	15.17	15.36	15.56	15.75
11.4625	15.94	16.14	16.34	16.54	16.75
11.5250	16.97	17.21	17.48	17.77	18.09
11.5875	18.45	18.87	19.33	19.85	20.45
11.6500	21.11	21.83	22.64	23.51	24.48
11.7125	25.53	26.64	27.85	29.11	30.62
11.7750	32.17	33.67	35.20	36.78	38.39
11.8375	40.04	41.72	43.42	45.15	46.89
11.9000	48.71	50.65	52.67	54.96	57.67
11.9625	60.39	63.46	66.92	70.62	74.70
12.0250	79.08	83.61	88.61	93.40	98.03
12.0875	102.48	106.84	110.78	114.26	117.47
12.1500	120.01	121.82	123.01	123.20	122.80
12.2125	121.75	119.87	117.68	115.16	112.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
12.2750	109.11	105.81	102.37	98.91	95.46
12.3375	92.02	88.70	85.59	82.64	79.93
12.4000	77.24	74.58	71.99	69.48	67.01
12.4625	64.62	62.28	59.99	57.74	55.53
12.5250	53.45	51.49	49.45	47.44	45.50
12.5875	43.60	41.77	40.01	38.31	36.70
12.6500	35.15	33.69	32.34	31.06	29.87
12.7125	28.90	27.98	27.07	26.21	25.39
12.7750	24.63	23.94	23.29	22.69	22.14
12.8375	21.62	21.14	20.69	20.27	19.87
12.9000	19.50	19.14	18.80	18.48	18.18
12.9625	17.88	17.60	17.33	17.07	16.81
13.0250	16.56	16.31	16.08	15.85	15.63
13.0875	15.42	15.21	15.01	14.81	14.63
13.1500	14.45	14.28	14.12	13.97	13.83
13.2125	13.69	13.56	13.44	13.33	13.22
13.2750	13.12	13.02	12.93	12.85	12.77
13.3375	12.69	12.61	12.54	12.47	12.40
13.4000	12.33	12.27	12.20	12.14	12.08
13.4625	12.02	11.96	11.90	11.84	11.78
13.5250	11.73	11.67	11.61	11.56	11.50
13.5875	11.45	11.39	11.34	11.28	11.23
13.6500	11.17	11.12	11.07	11.01	10.96
13.7125	10.91	10.85	10.80	10.75	10.69
13.7750	10.64	10.59	10.53	10.48	10.43
13.8375	10.40	10.35	10.31	10.26	10.21
13.9000	10.16	10.11	10.06	10.01	9.95
13.9625	9.90	9.85	9.79	9.74	9.69
14.0250	9.64	9.58	9.53	9.48	9.43
14.0875	9.37	9.32	9.27	9.22	9.18
14.1500	9.13	9.08	9.04	8.99	8.95
14.2125	8.91	8.87	8.83	8.80	8.76
14.2750	8.73	8.69	8.66	8.63	8.60
14.3375	8.56	8.53	8.50	8.48	8.45
14.4000	8.42	8.39	8.36	8.33	8.31
14.4625	8.28	8.25	8.23	8.20	8.17
14.5250	8.15	8.12	8.09	8.07	8.04
14.5875	8.02	7.99	7.96	7.94	7.91
14.6500	7.89	7.86	7.84	7.81	7.79
14.7125	7.76	7.73	7.71	7.68	7.66
14.7750	7.63	7.61	7.58	7.55	7.53
14.8375	7.50	7.48	7.45	7.43	7.40
14.9000	7.38	7.35	7.32	7.30	7.27
14.9625	7.25	7.22	7.20	7.17	7.15
15.0250	7.12	7.09	7.07	7.04	7.02

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
15.0875	6.99	6.97	6.94	6.92	6.89
15.1500	6.86	6.84	6.81	6.79	6.76
15.2125	6.74	6.71	6.69	6.66	6.63
15.2750	6.61	6.58	6.56	6.53	6.51
15.3375	6.48	6.46	6.43	6.40	6.38
15.4000	6.35	6.33	6.30	6.28	6.25
15.4625	6.23	6.20	6.17	6.15	6.12
15.5250	6.10	6.07	6.05	6.02	6.00
15.5875	5.97	5.94	5.92	5.89	5.87
15.6500	5.84	5.82	5.79	5.77	5.74
15.7125	5.72	5.69	5.66	5.64	5.61
15.7750	5.59	5.56	5.53	5.51	5.48
15.8375	5.46	5.43	5.41	5.38	5.36
15.9000	5.33	5.30	5.28	5.25	5.23
15.9625	5.20	5.18	5.15	5.12	5.10
16.0250	5.07	5.05	5.02	5.00	4.97
16.0875	4.95	4.93	4.90	4.88	4.86
16.1500	4.84	4.81	4.79	4.77	4.75
16.2125	4.73	4.72	4.70	4.68	4.66
16.2750	4.65	4.63	4.62	4.60	4.59
16.3375	4.57	4.56	4.55	4.53	4.52
16.4000	4.51	4.49	4.48	4.47	4.46
16.4625	4.44	4.43	4.42	4.41	4.40
16.5250	4.39	4.37	4.36	4.35	4.34
16.5875	4.33	4.32	4.31	4.29	4.28
16.6500	4.27	4.26	4.25	4.24	4.23
16.7125	4.22	4.20	4.19	4.18	4.17
16.7750	4.16	4.15	4.14	4.13	4.12
16.8375	4.10	4.09	4.08	4.07	4.06
16.9000	4.05	4.04	4.03	4.01	4.00
16.9625	3.99	3.98	3.97	3.96	3.95
17.0250	3.94	3.93	3.91	3.90	3.89
17.0875	3.88	3.87	3.86	3.85	3.84
17.1500	3.83	3.81	3.80	3.79	3.78
17.2125	3.77	3.76	3.75	3.74	3.73
17.2750	3.71	3.70	3.69	3.68	3.67
17.3375	3.66	3.65	3.64	3.63	3.61
17.4000	3.60	3.59	3.58	3.57	3.56
17.4625	3.55	3.54	3.52	3.51	3.50
17.5250	3.49	3.48	3.47	3.46	3.45
17.5875	3.44	3.43	3.41	3.40	3.39
17.6500	3.38	3.37	3.36	3.35	3.34
17.7125	3.32	3.31	3.30	3.29	3.28
17.7750	3.27	3.26	3.25	3.24	3.22
17.8375	3.21	3.20	3.19	3.18	3.17

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.9000	3.16	3.15	3.13	3.12	3.11
17.9625	3.10	3.09	3.08	3.07	3.06
18.0250	3.05	3.04	3.02	3.01	3.00
18.0875	2.99	2.98	2.97	2.96	2.95
18.1500	2.94	2.93	2.92	2.91	2.91
18.2125	2.90	2.89	2.88	2.88	2.87
18.2750	2.87	2.86	2.86	2.85	2.85
18.3375	2.84	2.84	2.83	2.83	2.82
18.4000	2.82	2.81	2.81	2.81	2.80
18.4625	2.80	2.80	2.79	2.79	2.78
18.5250	2.78	2.78	2.77	2.77	2.77
18.5875	2.76	2.76	2.76	2.75	2.75
18.6500	2.75	2.74	2.74	2.74	2.73
18.7125	2.73	2.73	2.72	2.72	2.72
18.7750	2.71	2.71	2.71	2.70	2.70
18.8375	2.70	2.69	2.69	2.69	2.68
18.9000	2.68	2.68	2.67	2.67	2.67
18.9625	2.66	2.66	2.66	2.65	2.65
19.0250	2.65	2.64	2.64	2.64	2.63
19.0875	2.63	2.63	2.62	2.62	2.62
19.1500	2.61	2.61	2.61	2.60	2.60
19.2125	2.60	2.59	2.59	2.59	2.58
19.2750	2.58	2.58	2.57	2.57	2.57
19.3375	2.56	2.56	2.56	2.55	2.55
19.4000	2.55	2.54	2.54	2.54	2.53
19.4625	2.53	2.53	2.52	2.52	2.52
19.5250	2.51	2.51	2.51	2.50	2.50
19.5875	2.50	2.49	2.49	2.49	2.48
19.6500	2.48	2.48	2.47	2.47	2.47
19.7125	2.46	2.46	2.46	2.45	2.45
19.7750	2.45	2.44	2.44	2.44	2.43
19.8375	2.43	2.43	2.42	2.42	2.42
19.9000	2.41	2.41	2.41	2.40	2.40
19.9625	2.40	2.39	2.39	2.39	2.38
20.0250	2.38	2.38	2.37	2.37	2.37
20.0875	2.36	2.36	2.36	2.35	2.35
20.1500	2.35	2.34	2.34	2.34	2.33
20.2125	2.33	2.33	2.32	2.32	2.32
20.2750	2.32	2.32	2.31	2.31	2.31
20.3375	2.31	2.30	2.30	2.30	2.29
20.4000	2.29	2.29	2.29	2.28	2.28
20.4625	2.28	2.27	2.27	2.27	2.27
20.5250	2.26	2.26	2.26	2.26	2.25
20.5875	2.25	2.25	2.25	2.24	2.24
20.6500	2.24	2.24	2.23	2.23	2.23

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.7125	2.23	2.22	2.22	2.22	2.21
20.7750	2.21	2.21	2.21	2.20	2.20
20.8375	2.20	2.20	2.19	2.19	2.19
20.9000	2.19	2.19	2.18	2.18	2.18
20.9625	2.18	2.17	2.17	2.17	2.17
21.0250	2.16	2.16	2.16	2.16	2.15
21.0875	2.15	2.15	2.15	2.15	2.14
21.1500	2.14	2.14	2.14	2.13	2.13
21.2125	2.13	2.12	2.12	2.12	2.12
21.2750	2.11	2.11	2.11	2.11	2.10
21.3375	2.10	2.10	2.10	2.09	2.09
21.4000	2.09	2.09	2.08	2.08	2.08
21.4625	2.08	2.07	2.07	2.07	2.07
21.5250	2.06	2.06	2.06	2.05	2.05
21.5875	2.05	2.05	2.04	2.04	2.04
21.6500	2.04	2.03	2.03	2.03	2.03
21.7125	2.02	2.02	2.02	2.02	2.01
21.7750	2.01	2.01	2.01	2.01	2.00
21.8375	2.00	2.00	2.00	1.99	1.99
21.9000	1.99	1.99	1.99	1.98	1.98
21.9625	1.98	1.98	1.97	1.97	1.97
22.0250	1.96	1.96	1.96	1.96	1.95
22.0875	1.95	1.95	1.95	1.94	1.94
22.1500	1.94	1.94	1.93	1.93	1.93
22.2125	1.93	1.92	1.92	1.92	1.92
22.2750	1.91	1.91	1.91	1.91	1.90
22.3375	1.90	1.90	1.89	1.89	1.89
22.4000	1.89	1.88	1.88	1.88	1.88
22.4625	1.87	1.87	1.87	1.87	1.86
22.5250	1.86	1.86	1.86	1.85	1.85
22.5875	1.85	1.85	1.84	1.84	1.84
22.6500	1.84	1.84	1.83	1.83	1.83
22.7125	1.83	1.83	1.82	1.82	1.82
22.7750	1.81	1.81	1.81	1.81	1.80
22.8375	1.80	1.80	1.80	1.79	1.79
22.9000	1.79	1.78	1.78	1.78	1.78
22.9625	1.77	1.77	1.77	1.77	1.77
23.0250	1.76	1.76	1.76	1.76	1.75
23.0875	1.75	1.75	1.74	1.74	1.74
23.1500	1.74	1.73	1.73	1.73	1.72
23.2125	1.72	1.72	1.72	1.72	1.71
23.2750	1.71	1.71	1.71	1.70	1.70
23.3375	1.70	1.70	1.69	1.69	1.69
23.4000	1.69	1.68	1.68	1.68	1.68
23.4625	1.68	1.67	1.67	1.67	1.67

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.5250	1.66	1.66	1.66	1.66	1.65
23.5875	1.65	1.65	1.65	1.64	1.64
23.6500	1.64	1.63	1.63	1.63	1.63
23.7125	1.62	1.62	1.62	1.62	1.61
23.7750	1.61	1.61	1.61	1.60	1.60
23.8375	1.60	1.60	1.59	1.59	1.59
23.9000	1.59	1.58	1.58	1.58	1.58
23.9625	1.57	1.57	1.57	1.56	1.56
24.0250	1.55	1.54	1.53	1.51	1.49
24.0875	1.46	1.42	1.37	1.31	1.25
24.1500	1.18	1.11	1.03	.96	.88
24.2125	.80	.73	.66	.59	.53
24.2750	.47	.42	.38	.34	.30
24.3375	.27	.24	.21	.19	.17
24.4000	.15	.13	.12	.10	.09
24.4625	.08	.07	.06	.06	.05
24.5250	.04	.04	.03	.03	.03
24.5875	.02	.02	.02	.02	.01
24.6500	.01	.01	.01	.01	.01
24.7125	.01	.01	.00	.00	.00
24.7750	.00	.00			

LEVEL POOL ROUTING SUMMARY

HYG Dir = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\
Inflow HYG file = work_pad.hyg - WQBASIN CC-4 IN 100
Outflow HYG file = work_pad.hyg - WQBASIN CC-4 OUT 100

Pond Node Data = WQBASIN CC-4
Pond Volume Data = WQBASIN CC-4
Pond Outlet Data = WQB CC-4 Outlet

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 250.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .0125 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====
Peak Inflow = 132.74 cfs at 12.1750 hrs
Peak Outflow = 132.41 cfs at 12.1875 hrs

Peak Elevation = 259.54 ft
Peak Storage = 94432 cu.ft
=====

MASS BALANCE (cu.ft)

+ Initial Vol = 0
+ HYG Vol IN = 628046
- Infiltration = 0
- HYG Vol OUT = 540138
- Retained Vol = 87907

Unrouted Vol = -1 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...

HYG file = J:\622 Wilder Balter Partners - Newburgh\Engineering\PondPack\work_

HYG ID = WQBASIN CC-4 OUT

HYG Tag = 100

 Peak Discharge = 132.41 cfs
 Time to Peak = 12.1875 hrs
 HYG Volume = 540138 cu.ft

HYDROGRAPH ORDINATES (cfs)

Time hrs | Output Time increment = .0125 hrs
 Time on left represents time for first value in each row.

Time hrs	Output	Time increment	Output	Time increment	Output
1.7750	.00	.00	.00	.00	.00
1.8375	.00	.00	.00	.00	.00
1.9000	.00	.00	.00	.00	.00
1.9625	.00	.00	.00	.00	.00
2.0250	.00	.00	.00	.00	.00
2.0875	.00	.00	.00	.00	.00
2.1500	.00	.00	.00	.00	.00
2.2125	.00	.00	.00	.00	.00
2.2750	.00	.00	.00	.00	.00
2.3375	.00	.00	.00	.00	.00
2.4000	.00	.00	.00	.00	.00
2.4625	.00	.00	.00	.00	.00
2.5250	.00	.00	.00	.00	.00
2.5875	.00	.00	.00	.00	.00
2.6500	.00	.00	.00	.00	.00
2.7125	.00	.00	.00	.00	.00
2.7750	.00	.00	.00	.00	.00
2.8375	.00	.00	.00	.00	.00
2.9000	.00	.00	.00	.00	.00
2.9625	.00	.00	.00	.00	.00
3.0250	.00	.00	.00	.00	.00
3.0875	.00	.00	.00	.00	.00
3.1500	.00	.00	.00	.00	.00
3.2125	.00	.00	.00	.00	.00
3.2750	.00	.00	.00	.00	.00
3.3375	.00	.00	.00	.00	.00
3.4000	.00	.00	.00	.00	.00
3.4625	.00	.00	.00	.00	.00
3.5250	.00	.00	.00	.00	.00
3.5875	.00	.00	.00	.00	.00
3.6500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
3.7125	.00	.00	.00	.00	.00
3.7750	.00	.00	.00	.00	.00
3.8375	.00	.00	.00	.00	.00
3.9000	.00	.00	.00	.00	.00
3.9625	.00	.00	.00	.00	.00
4.0250	.00	.00	.00	.00	.00
4.0875	.00	.00	.00	.00	.00
4.1500	.00	.00	.00	.00	.00
4.2125	.00	.00	.00	.00	.00
4.2750	.00	.00	.00	.00	.00
4.3375	.00	.00	.00	.00	.00
4.4000	.00	.00	.00	.00	.00
4.4625	.00	.00	.00	.00	.00
4.5250	.00	.00	.00	.00	.00
4.5875	.00	.00	.00	.00	.00
4.6500	.00	.00	.00	.00	.00
4.7125	.00	.00	.00	.00	.00
4.7750	.00	.00	.00	.00	.00
4.8375	.00	.00	.00	.00	.00
4.9000	.00	.00	.00	.00	.00
4.9625	.00	.00	.00	.00	.00
5.0250	.00	.00	.00	.00	.00
5.0875	.00	.00	.00	.00	.00
5.1500	.00	.00	.00	.00	.00
5.2125	.00	.00	.00	.00	.00
5.2750	.00	.00	.00	.00	.00
5.3375	.00	.00	.00	.00	.00
5.4000	.00	.00	.00	.00	.00
5.4625	.00	.00	.00	.00	.00
5.5250	.00	.00	.00	.00	.00
5.5875	.00	.00	.00	.00	.00
5.6500	.00	.00	.00	.00	.00
5.7125	.00	.00	.00	.00	.00
5.7750	.00	.00	.00	.00	.00
5.8375	.00	.00	.00	.00	.00
5.9000	.00	.00	.00	.00	.00
5.9625	.00	.00	.00	.00	.00
6.0250	.00	.00	.00	.00	.00
6.0875	.00	.00	.00	.00	.00
6.1500	.00	.00	.00	.00	.00
6.2125	.00	.00	.00	.00	.00
6.2750	.00	.00	.00	.00	.00
6.3375	.00	.00	.00	.00	.00
6.4000	.00	.00	.00	.00	.00
6.4625	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
6.5250	.00	.00	.00	.00	.00
6.5875	.00	.00	.00	.00	.00
6.6500	.00	.00	.00	.00	.00
6.7125	.00	.00	.00	.00	.00
6.7750	.00	.00	.00	.00	.00
6.8375	.00	.00	.00	.00	.00
6.9000	.00	.00	.00	.00	.00
6.9625	.00	.00	.00	.00	.00
7.0250	.00	.00	.00	.00	.00
7.0875	.00	.00	.00	.00	.00
7.1500	.00	.00	.00	.00	.00
7.2125	.00	.00	.00	.00	.00
7.2750	.00	.00	.00	.00	.00
7.3375	.00	.00	.00	.00	.00
7.4000	.00	.00	.00	.00	.00
7.4625	.00	.00	.00	.00	.00
7.5250	.00	.00	.00	.00	.00
7.5875	.00	.00	.00	.00	.00
7.6500	.00	.00	.00	.00	.00
7.7125	.00	.00	.00	.00	.00
7.7750	.00	.00	.00	.00	.00
7.8375	.00	.00	.00	.00	.00
7.9000	.00	.00	.00	.00	.00
7.9625	.00	.00	.00	.00	.00
8.0250	.00	.00	.00	.00	.00
8.0875	.00	.00	.00	.00	.00
8.1500	.00	.00	.00	.00	.00
8.2125	.00	.00	.00	.00	.00
8.2750	.00	.00	.00	.00	.00
8.3375	.00	.00	.00	.00	.00
8.4000	.00	.00	.00	.00	.00
8.4625	.00	.00	.00	.00	.00
8.5250	.00	.00	.00	.00	.00
8.5875	.00	.00	.00	.00	.00
8.6500	.00	.00	.00	.00	.00
8.7125	.00	.00	.00	.00	.00
8.7750	.00	.00	.00	.00	.00
8.8375	.00	.00	.00	.00	.00
8.9000	.00	.00	.00	.00	.00
8.9625	.00	.00	.00	.00	.00
9.0250	.00	.00	.00	.00	.00
9.0875	.00	.00	.00	.00	.00
9.1500	.00	.00	.00	.00	.00
9.2125	.00	.00	.00	.00	.00
9.2750	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
9.3375	.00	.00	.00	.00	.00
9.4000	.00	.00	.00	.00	.00
9.4625	.00	.00	.00	.00	.00
9.5250	.00	.00	.00	.00	.00
9.5875	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.00	.00
9.7125	.00	.00	.00	.00	.00
9.7750	.00	.00	.00	.00	.00
9.8375	.00	.00	.00	.00	.00
9.9000	.00	.00	.00	.00	.00
9.9625	.00	.00	.00	.00	.00
10.0250	.00	.00	.00	.00	.00
10.0875	.00	.00	.00	.00	.00
10.1500	.00	.00	.00	.00	.00
10.2125	.00	.00	.00	.00	.00
10.2750	.00	.00	.00	.00	.00
10.3375	.00	.00	.00	.00	.00
10.4000	.00	.00	.00	.00	.00
10.4625	2.75	5.01	6.55	7.60	8.32
10.5250	8.82	9.18	9.44	9.63	9.78
10.5875	9.89	9.99	10.08	10.15	10.22
10.6500	10.29	10.35	10.41	10.50	10.58
10.7125	10.65	10.71	10.78	10.84	10.89
10.7750	10.95	11.01	11.07	11.13	11.19
10.8375	11.25	11.30	11.36	11.42	11.48
10.9000	11.54	11.60	11.66	11.72	11.77
10.9625	11.83	11.89	11.95	12.01	12.07
11.0250	12.13	12.19	12.26	12.33	12.40
11.0875	12.47	12.55	12.63	12.72	12.82
11.1500	12.92	13.02	13.13	13.26	13.38
11.2125	13.52	13.66	13.81	13.97	14.13
11.2750	14.30	14.47	14.64	14.82	15.01
11.3375	15.20	15.39	15.59	15.78	15.98
11.4000	16.18	16.39	16.59	16.80	17.01
11.4625	17.22	17.43	17.64	17.86	18.08
11.5250	18.32	18.58	18.86	19.18	19.52
11.5875	19.91	20.36	20.86	21.42	22.07
11.6500	22.77	23.55	24.43	25.36	26.40
11.7125	27.53	28.73	30.13	31.70	33.21
11.7750	34.76	36.32	37.95	39.64	41.37
11.8375	43.15	44.95	46.78	48.64	50.52
11.9000	52.47	54.60	56.98	59.46	62.17
11.9625	65.04	68.33	72.04	76.01	80.39
12.0250	85.22	90.36	95.42	100.49	105.44
12.0875	110.22	114.89	119.26	123.10	126.49

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs	Output Time increment = .0125 hrs				
	Time on left represents time for first value in each row.				
12.1500	129.05	130.96	132.21	132.41	131.97
12.2125	130.83	128.81	126.44	123.64	120.37
12.2750	116.98	113.60	109.96	106.24	102.54
12.3375	98.84	95.27	91.92	88.68	85.59
12.4000	82.72	80.02	77.29	74.60	71.96
12.4625	69.38	66.87	64.40	61.99	59.61
12.5250	57.28	55.00	52.91	50.86	48.82
12.5875	46.80	44.84	42.95	41.12	39.39
12.6500	37.73	36.16	34.71	33.34	32.06
12.7125	30.89	29.79	28.90	28.06	27.21
12.7750	26.42	25.68	24.99	24.35	23.76
12.8375	23.20	22.69	22.21	21.75	21.33
12.9000	20.92	20.54	20.18	19.83	19.50
12.9625	19.19	18.89	18.60	18.31	18.04
13.0250	17.77	17.51	17.25	17.01	16.77
13.0875	16.54	16.32	16.10	15.90	15.70
13.1500	15.50	15.32	15.15	14.99	14.84
13.2125	14.69	14.55	14.42	14.30	14.19
13.2750	14.08	13.98	13.88	13.79	13.70
13.3375	13.61	13.53	13.45	13.38	13.30
13.4000	13.23	13.16	13.09	13.03	12.96
13.4625	12.90	12.83	12.77	12.71	12.64
13.5250	12.58	12.52	12.46	12.40	12.34
13.5875	12.28	12.22	12.17	12.11	12.05
13.6500	11.99	11.93	11.87	11.82	11.76
13.7125	11.70	11.64	11.59	11.53	11.47
13.7750	11.41	11.36	11.30	11.24	11.19
13.8375	11.13	11.07	11.01	10.96	10.90
13.9000	10.84	10.79	10.73	10.67	10.61
13.9625	10.56	10.50	10.44	10.41	10.36
14.0250	10.32	10.27	10.21	10.16	10.11
14.0875	10.05	10.00	9.95	9.90	9.84
14.1500	9.79	9.74	9.70	9.65	9.60
14.2125	9.56	9.52	9.48	9.44	9.40
14.2750	9.36	9.33	9.29	9.26	9.22
14.3375	9.19	9.16	9.12	9.09	9.06
14.4000	9.03	9.00	8.97	8.94	8.91
14.4625	8.88	8.85	8.83	8.80	8.77
14.5250	8.74	8.71	8.68	8.66	8.63
14.5875	8.60	8.57	8.54	8.52	8.49
14.6500	8.46	8.43	8.41	8.38	8.35
14.7125	8.32	8.30	8.27	8.24	8.21
14.7750	8.19	8.16	8.13	8.10	8.08
14.8375	8.05	8.02	7.99	7.97	7.94
14.9000	7.91	7.89	7.86	7.83	7.80

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
14.9625	7.77	7.75	7.72	7.69	7.66
15.0250	7.64	7.61	7.58	7.55	7.53
15.0875	7.50	7.47	7.45	7.42	7.39
15.1500	7.36	7.34	7.31	7.28	7.25
15.2125	7.23	7.20	7.17	7.14	7.12
15.2750	7.09	7.06	7.03	7.01	6.98
15.3375	6.95	6.92	6.90	6.87	6.84
15.4000	6.81	6.79	6.76	6.73	6.71
15.4625	6.68	6.65	6.62	6.60	6.57
15.5250	6.54	6.51	6.49	6.46	6.43
15.5875	6.40	6.38	6.35	6.32	6.29
15.6500	6.27	6.24	6.21	6.19	6.16
15.7125	6.13	6.10	6.07	6.05	6.02
15.7750	5.99	5.96	5.94	5.91	5.88
15.8375	5.85	5.83	5.80	5.77	5.74
15.9000	5.72	5.69	5.66	5.63	5.61
15.9625	5.58	5.55	5.52	5.50	5.47
16.0250	5.44	5.42	5.39	5.36	5.34
16.0875	5.31	5.28	5.26	5.23	5.21
16.1500	5.19	5.16	5.14	5.12	5.10
16.2125	5.08	5.06	5.04	5.02	5.00
16.2750	4.98	4.97	4.95	4.93	4.92
16.3375	4.90	4.89	4.88	4.86	4.85
16.4000	4.83	4.82	4.81	4.79	4.78
16.4625	4.77	4.75	4.74	4.73	4.72
16.5250	4.70	4.69	4.68	4.67	4.66
16.5875	4.64	4.63	4.62	4.61	4.59
16.6500	4.58	4.57	4.56	4.55	4.53
16.7125	4.52	4.51	4.50	4.49	4.47
16.7750	4.46	4.45	4.44	4.43	4.41
16.8375	4.40	4.39	4.38	4.37	4.35
16.9000	4.34	4.33	4.32	4.31	4.29
16.9625	4.28	4.27	4.26	4.25	4.23
17.0250	4.22	4.21	4.20	4.19	4.17
17.0875	4.16	4.15	4.14	4.13	4.11
17.1500	4.10	4.09	4.08	4.07	4.06
17.2125	4.04	4.03	4.02	4.01	4.00
17.2750	3.98	3.97	3.96	3.95	3.94
17.3375	3.92	3.91	3.90	3.89	3.88
17.4000	3.87	3.85	3.84	3.83	3.82
17.4625	3.80	3.79	3.78	3.77	3.76
17.5250	3.74	3.73	3.72	3.71	3.70
17.5875	3.69	3.67	3.66	3.65	3.64
17.6500	3.63	3.61	3.60	3.59	3.58
17.7125	3.57	3.55	3.54	3.53	3.52

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
17.7750	3.51	3.49	3.48	3.47	3.46
17.8375	3.45	3.43	3.42	3.41	3.40
17.9000	3.39	3.37	3.36	3.35	3.34
17.9625	3.33	3.31	3.30	3.29	3.28
18.0250	3.27	3.26	3.24	3.23	3.22
18.0875	3.21	3.20	3.19	3.17	3.16
18.1500	3.15	3.14	3.13	3.12	3.12
18.2125	3.11	3.10	3.09	3.09	3.08
18.2750	3.07	3.07	3.06	3.06	3.05
18.3375	3.05	3.04	3.04	3.03	3.03
18.4000	3.02	3.02	3.01	3.01	3.01
18.4625	3.00	3.00	2.99	2.99	2.99
18.5250	2.98	2.98	2.97	2.97	2.97
18.5875	2.96	2.96	2.96	2.95	2.95
18.6500	2.95	2.94	2.94	2.93	2.93
18.7125	2.93	2.92	2.92	2.92	2.91
18.7750	2.91	2.91	2.90	2.90	2.89
18.8375	2.89	2.89	2.88	2.88	2.88
18.9000	2.87	2.87	2.87	2.86	2.86
18.9625	2.86	2.85	2.85	2.84	2.84
19.0250	2.84	2.83	2.83	2.83	2.82
19.0875	2.82	2.82	2.81	2.81	2.81
19.1500	2.80	2.80	2.79	2.79	2.79
19.2125	2.78	2.78	2.78	2.77	2.77
19.2750	2.77	2.76	2.76	2.76	2.75
19.3375	2.75	2.74	2.74	2.74	2.73
19.4000	2.73	2.73	2.72	2.72	2.72
19.4625	2.71	2.71	2.70	2.70	2.70
19.5250	2.69	2.69	2.69	2.68	2.68
19.5875	2.68	2.67	2.67	2.67	2.66
19.6500	2.66	2.65	2.65	2.65	2.64
19.7125	2.64	2.64	2.63	2.63	2.63
19.7750	2.62	2.62	2.62	2.61	2.61
19.8375	2.60	2.60	2.60	2.59	2.59
19.9000	2.59	2.58	2.58	2.58	2.57
19.9625	2.57	2.57	2.56	2.56	2.55
20.0250	2.55	2.55	2.54	2.54	2.54
20.0875	2.53	2.53	2.53	2.52	2.52
20.1500	2.52	2.51	2.51	2.51	2.50
20.2125	2.50	2.50	2.49	2.49	2.49
20.2750	2.49	2.48	2.48	2.48	2.47
20.3375	2.47	2.47	2.47	2.46	2.46
20.4000	2.46	2.45	2.45	2.45	2.45
20.4625	2.44	2.44	2.44	2.43	2.43
20.5250	2.43	2.43	2.42	2.42	2.42

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
20.5875	2.41	2.41	2.41	2.41	2.40
20.6500	2.40	2.40	2.40	2.39	2.39
20.7125	2.39	2.38	2.38	2.38	2.38
20.7750	2.37	2.37	2.37	2.36	2.36
20.8375	2.36	2.36	2.35	2.35	2.35
20.9000	2.35	2.34	2.34	2.34	2.34
20.9625	2.33	2.33	2.33	2.33	2.32
21.0250	2.32	2.32	2.32	2.31	2.31
21.0875	2.31	2.31	2.30	2.30	2.30
21.1500	2.30	2.29	2.29	2.29	2.28
21.2125	2.28	2.28	2.28	2.27	2.27
21.2750	2.27	2.26	2.26	2.26	2.26
21.3375	2.25	2.25	2.25	2.25	2.24
21.4000	2.24	2.24	2.23	2.23	2.23
21.4625	2.23	2.22	2.22	2.22	2.22
21.5250	2.21	2.21	2.21	2.20	2.20
21.5875	2.20	2.19	2.19	2.19	2.19
21.6500	2.18	2.18	2.18	2.18	2.17
21.7125	2.17	2.17	2.17	2.16	2.16
21.7750	2.16	2.16	2.15	2.15	2.15
21.8375	2.15	2.14	2.14	2.14	2.14
21.9000	2.13	2.13	2.13	2.13	2.12
21.9625	2.12	2.12	2.12	2.11	2.11
22.0250	2.11	2.10	2.10	2.10	2.09
22.0875	2.09	2.09	2.09	2.08	2.08
22.1500	2.08	2.08	2.07	2.07	2.07
22.2125	2.07	2.06	2.06	2.06	2.05
22.2750	2.05	2.05	2.05	2.04	2.04
22.3375	2.04	2.03	2.03	2.03	2.02
22.4000	2.02	2.02	2.02	2.01	2.01
22.4625	2.01	2.01	2.00	2.00	2.00
22.5250	2.00	1.99	1.99	1.99	1.99
22.5875	1.98	1.98	1.98	1.98	1.97
22.6500	1.97	1.97	1.97	1.96	1.96
22.7125	1.96	1.96	1.95	1.95	1.95
22.7750	1.95	1.94	1.94	1.94	1.93
22.8375	1.93	1.93	1.93	1.92	1.92
22.9000	1.92	1.91	1.91	1.91	1.91
22.9625	1.90	1.90	1.90	1.90	1.89
23.0250	1.89	1.89	1.89	1.88	1.88
23.0875	1.88	1.87	1.87	1.87	1.86
23.1500	1.86	1.86	1.86	1.85	1.85
23.2125	1.85	1.84	1.84	1.84	1.84
23.2750	1.83	1.83	1.83	1.83	1.82
23.3375	1.82	1.82	1.82	1.81	1.81

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0125 hrs

Time on left represents time for first value in each row.

Time hrs					
23.4000	1.81	1.81	1.80	1.80	1.80
23.4625	1.80	1.79	1.79	1.79	1.79
23.5250	1.78	1.78	1.78	1.78	1.77
23.5875	1.77	1.77	1.77	1.76	1.76
23.6500	1.76	1.75	1.75	1.75	1.74
23.7125	1.74	1.74	1.74	1.73	1.73
23.7750	1.73	1.73	1.72	1.72	1.72
23.8375	1.72	1.71	1.71	1.71	1.70
23.9000	1.70	1.70	1.70	1.69	1.69
23.9625	1.69	1.68	1.68	1.68	1.67
24.0250	1.66	1.65	1.64	1.62	1.59
24.0875	1.56	1.52	1.47	1.41	1.34
24.1500	1.27	1.19	1.11	1.03	.94
24.2125	.86	.78	.71	.64	.57
24.2750	.51	.45	.40	.36	.32
24.3375	.28	.25	.23	.20	.18
24.4000	.16	.14	.12	.11	.10
24.4625	.09	.08	.07	.06	.05
24.5250	.05	.04	.04	.03	.03
24.5875	.03	.02	.02	.02	.02
24.6500	.01	.01	.01	.01	.01
24.7125	.01	.01	.00	.00	.00
24.7750	.00	.00			

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