STORMWATER NARRATIVE & CALCULATIONS

GREENFIELD COMMERCIAL

FOR:
GREENFIELD STREET PROPERTIES, LLC
10 S. CARDINAL DR
WILMINGTON, NORTH CAROLINA 28403
PHONE: 910-251-5030

JULY 28, 2017

PREPARED BY:
MALPASS ENGINEERING & SURVEYING, P.C.
1134 SHIPYARD BOULEVARD
WILMINGTON, N.C. 28412
(910)392-5243 PHONE
(910)392-5203 FAX
LICENSE #: C-2320

Final SW Calcs
SWP2017033
8/4/17

Narrative

Description:

Travel approx. 0.52 miles south on US-421 (S Third St) from the intersection of US-421 & US-76 (Dawson St). Turn right on Greenfield Street & travel 0.10 miles. Turn left into the site.

Total site area is 2.03 acres.

Total disturbed acreage is 1.86 acres.

Soil to be disturbed is Urban Land (Ur).

The purpose of this project is to redevelop an existing site to create a commercial development.

The project proposes 22,539 square feet of newly constructed BUA on the site. The proposed newly constructed BUA is based on the proposed pervious concrete receiving a 100% credit reduction. The total BUA (existing & proposed newly constructed) on the site after development is 52,300 square feet. The percent of proposed newly constructed BUA to total BUA is 43.10%. Therefore, only the proposed newly constructed BUA square footage, or equivalent square footage of existing and/or proposed newly constructed BUA, is required to be treated. The total BUA after development (52,300 sf) is equal to or less than the existing BUA prior to development (58,373 sf), therefore pre/post of stormwater runoff is not required.

Permeable Pavement System #1 is designed to treat the first 1.5" of runoff via infiltration. Overflow from Permeable Pavement System #1 will drain to the proposed drop inlet. Stormwater runoff from the remainder of the site will drain to the existing drop inlets and/or the proposed catch basin & drop inlet.

Erosion Control Measures:

The attached plans and specifications state or show required Sediment and Erosion Control measures to be taken.

-Construction entrance/exit will be installed on South Front Street and South Second Street as shown on the plan.

-Silt fence will be installed as shown on the plan and anywhere else sediment has the ability to leave the site.

-Inlet protection will be installed as shown on the plan.

-Mulch as indicated on the plan.

-Temporary & permanent seeding as indicated on the plan.

Construction Sequence:

The construction entrance/exit off South Front Street & South Second Street, silt fence, and inlet protection for the existing drop inlets shall be installed as shown on the plan. The existing items (buildings, concrete, asphalt, etc.) to be removed shall be removed. The existing utility services to be abandoned shall be abandoned. Then install the proposed storm drain system, inlet protection, and utilities. Then construct Buildings #2 & 3, and install the sideawlks, patios, ramps, bicycle parking, proposed asphalt, and Permeable Pavement System #1. Any disturbed area within the South Second Street,

Greenfield Street, and/or South Front Street rights-of-way shall be seeded and stabilized with mulch or excelsior mat prior to any rainfall event and in accordance with the ground stabilization chart on sheet 5 of the plan. Upon completion of any phase of activity side slopes will be seeded/stabilized in accordance with the ground stabilization chart on sheet 5 of the plan.

Existing Impervious Area (On-site) within Conservation classification per CAMA Land Use Plan

Buildings (footprint) = 21,691 sf

Parking = 18,607 sf

Other = 14,986 sf

Total = 55,284 sf

Existing Imp. Area (On-site) within Conservation classification per CAMA Land Use Plan - to remain

Buildings (footprint) = 18,062 sf

Parking = 11,596 sf

Other = 83 sf

Total = 29,741 sf

Proposed Newly Constructed Imp. Area (On-site, but excluding any frontage sidewalk) within Conservation classification per CAMA Land Use Plan

Buildings (footprint) = 3,402 sf

Parking = 3,935 sf

Pervious Pavement (after 100% credit) = 0 x 21,926 = 0 sf

Sidewalk = 1,755 sf

Other = 5,102 sf

Future = 425 sf

Total = 14,619 sf

Total Imp. Area (On-site) within Conservation classification per CAMA Land Use Plan

Existing - to remain = 29,741 sf

Proposed = 14,619 sf

Total = 44,360 sf

Site Area = 88,616 sf ≈ 2.03 acres

Existing Impervious Area (On-site)

Buildings (footprint) = 24,140 sf

Parking = 18,607 sf

Other = 15,626 sf

Total = 58,373 sf

Existing Impervious Area (On-site) - to remain

Buildings (footprint) = 18,062 sf

Parking = 11,596 sf

Other = 103 sf

Total = 29,761 sf

Site Area = 88,616 sf = 2.03 acres

Proposed Newly Constructed Impervious Area Onsite (excluding any frontage sidewalk)

Buildings (footprint) = 7,658 sf
Parking = 3,935 sf
Pervious Pavement (after 100% credit) = 0 x 21,926 = 0 sf
Sidewalk = 2,260 sf
Other = 8,261 sf
Future = 425 sf

Total = 22,539 sf

Total Impervious Area Onsite (excluding any frontage sidewalk)

Proposed = 22,539 sf
Existing - to remain = 29,761 sf

Total = 52,300 sf

Permeable Pavement System #1

Pervious Pavement Footprint = 21,926 sf

Adjacent Impervious Areas draining to system –

Existing Building (footprint)	= 9,024 sf
Buildings (footprint)	= 7,658 sf
Parking	= 1,054 sf
Sidewalk	= 1,840 sf
Other	= 5,834 sf ← (includes area from Buildings #2+3 roof overhang to 2nd St. R/W, even though the area will drain to 2nd St.)
Future	= 430 sf
Total	= 25,840 sf

Infiltration Rates = 5.01, 0.37, 2.18, 2.18, 1.07, 0.78, & 8.10

Average Infiltration Rate = $(5.01 + 0.37 + 2.18 + 2.18 + 1.07 + 0.78 + 8.10) \div 7 = 2.81$ in/hr

Use Infiltration Rate = 1.5 in/hr

$$\text{Ponding Time (T)} = \frac{P(1+R)}{24(SF)(i)} = \frac{1.5\left[1+\left(\frac{25,840}{21,926}\right)\right]}{24\,(0.2)\,(1.50)} = 0.454 \text{ days} = 10.9 \text{ hrs}$$

$$D_{wq} = \frac{P(1+R)}{n} = \frac{1.5\left[1+\left(\frac{25,840}{21,926}\right)\right]}{0.4} = 8.17 \text{ inches, use } 8.5 \text{ inches (minimum)}$$

$$\text{Required Volume} = \frac{1.5\left[1+\left(\frac{25,840}{21,926}\right)\right]}{12}(21,926) = 5,970.75 \text{ ft}^3$$

$$\text{Provided Volume} = \left[\frac{15 \text{ in}}{12 \text{ in/ft}}(7,085 \text{ sf}) + \frac{12 \text{ in}}{12 \text{ in/ft}}(4,559 \text{ sf}) + \frac{11.5 \text{ in}}{12 \text{ in/ft}}(4,725 \text{ sf}) + \frac{8.5 \text{ in}}{12 \text{ in/ft}}(5,557 \text{ sf})\right](0.4)$$

$$= 8,751.83 \text{ ft}^3$$

Permeable Pavement System #1 - Route

Section #1

Drainage Area = 26,723 sf ≈ 0.614 acres ← (includes area from Buildings #2 & 3 roof overhang to 2nd St. R/W, even though the area will drain to 2nd St.)

Impervious Area - Buildings (footprint) = 7,658 sf
Existing Buildings (footprint) = 1,446 sf
Parking = 771 sf
Sidewalk = 1,784 sf
Pervious Concrete (footprint) = 7,085 sf
Other = 4,554 sf
Future = 430 sf

Total = 23,728 sf

Use stone thickness = 14 inches in route

$$CN = \frac{98(23{,}728) + 39(2{,}995)}{26{,}723} = 91.39$$

Section #2

Drainage Area = 7,606 sf ≈ 0.175 acres

Impervious Area - Existing Building (footprint) = 2,043 sf
Parking = 62 sf
Other = 536 sf
Pervious Concrete (footprint) = 4,559 sf

Total = 7,200 sf

Use stone thickness = 11 inches in route

$$CN = \frac{98(7{,}200) + 39(406)}{7{,}606} = 94.85$$

Permeable Pavement System #1 - Route

Section #3

Drainage Area = 9,832 sf ≈ 0.226 acres

Impervious Area - Existing Building (footprint) = 4,086 sf
Parking = 50 sf
Other = 538 sf

Pervious Concrete (footprint) = 4,725 sf

Total = 9,399 sf

Use stone thickness = 10.5 inches in route

$CN = \frac{98(9,399) + 39(433)}{9,832} = 95.40$

Section #4

Drainage Area = 8,277 sf ≈ 0.190 acres

Impervious Area - Existing Building (footprint) = 1,449 sf

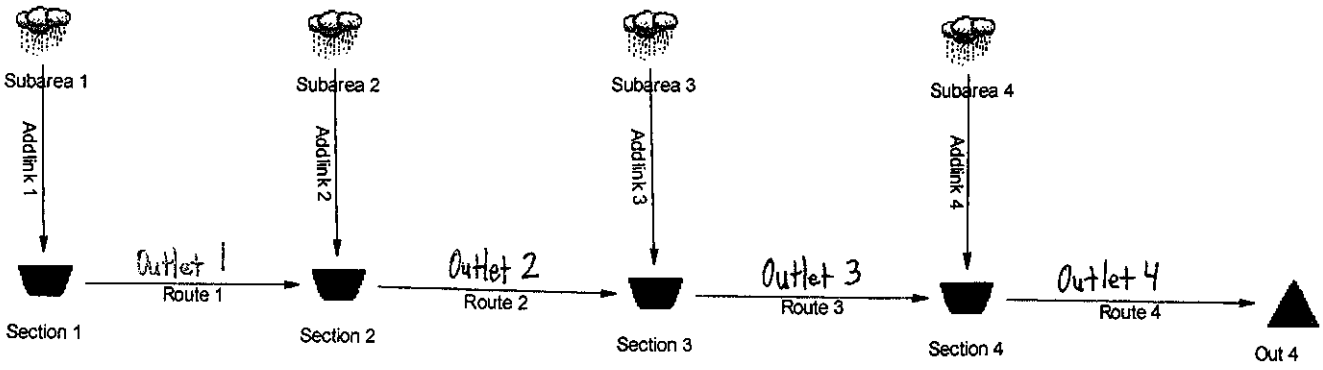
Parking = 174 sf
Sidewalk = 56 sf
Other = 205 sf

Pervious Concrete (footprint) = 5,557 sf

Total = 7,441 sf

Use stone thickness = 8 inches in route

$CN = \frac{98(7,441) + 39(836)}{8,277} = 92.04$


Subarea 1
Addlink 1
Outlet 1
Route 1
Section 1
Subarea 2
Addlink 2
Outlet 2
Route 2
Section 2
Subarea 3
Addlink 3
Outlet 3
Route 3
Section 3
Subarea 4
Addlink 4
Outlet 4
Route 4
Section 4
Out 4

MASTER DESIGN STORM SUMMARY

Network Storm Collection: CITY OF WILMINGT

Return Event	Total Depth in	Rainfall Type	RNF ID
10	6.7200	Synthetic Curve	TypeIII 24hr
50	9.0100	Synthetic Curve	TypeIII 24hr

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0100 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 24.0000 hrs

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 ac-ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage ac-ft
*OUT 4	T-E	10	.025		12.5000	1.02	.00	
*OUT 4	T-E	50	.142		12.2000	5.54	.00	
SECTION 1	POND	10	.290		12.1000	3.29		
SECTION 1	POND	50	.405		12.1000	4.51		
SECTION 1	OUT POND	10	.049		12.2000	1.91	9.37	.079
SECTION 1	OUT POND	50	.119		12.1000	4.17	9.41	.081
SECTION 2	POND	10	.138		12.2000	2.48		
SECTION 2	POND	50	.242		12.1000	5.49		

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0100 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 24.0000 hrs

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 ac-ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage ac-ft
SECTION 2	OUT POND	10	.035		12.3000	1.57	8.47	.040
SECTION 2	OUT POND	50	.120		12.1500	4.88	8.52	.042
SECTION 3	POND	10	.151		12.3000	2.11		
SECTION 3	POND	50	.279		12.1500	6.27		
SECTION 3	OUT POND	10	.035		12.3500	1.72	8.22	.040
SECTION 3	OUT POND	50	.133		12.1500	6.00	8.27	.042
SECTION 4	POND	10	.126		12.3500	2.11		
SECTION 4	POND	50	.260		12.1500	7.16		
SECTION 4	OUT POND	10	.025		12.5000	1.02	7.79	.043
SECTION 4	OUT POND	50	.142		12.2000	5.54	8.00	.053
SUBAREA 1	AREA	10	.290		12.1000	3.29		
SUBAREA 1	AREA	50	.405		12.1000	4.51		
SUBAREA 2	AREA	10	.089		12.1000	.97		
SUBAREA 2	AREA	50	.123		12.1000	1.32		
SUBAREA 3	AREA	10	.115		12.1000	1.26		
SUBAREA 3	AREA	50	.158		12.1000	1.70		
SUBAREA 4	AREA	10	.091		12.1000	1.03		
SUBAREA 4	AREA	50	.127		12.1000	1.41		

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

DESIGN STORMS SUMMARY

Design Storm File,ID = CITY OF WILMINGT

Storm Tag Name = 10

Data Type, File, ID = Synthetic Storm TypeIII 24hr
Storm Frequency = 10 yr
Total Rainfall Depth= 6.7200 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

Storm Tag Name = 50

Data Type, File, ID = Synthetic Storm TypeIII 24hr
Storm Frequency = 50 yr
Total Rainfall Depth= 9.0100 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

::
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

TIME OF CONCENTRATION CALCULATOR

Segment #1: Tc: User Defined

Segment #1 Time: .0833 hrs

Total Tc: .0833 hrs

::
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

::
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

RUNOFF CURVE NUMBER DATA

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
	91	.614			91.39
COMPOSITE AREA & WEIGHTED CN --->		.614			91.39 (91)

RUNOFF CURVE NUMBER DATA

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
	95	.175			94.85
COMPOSITE AREA & WEIGHTED CN --->		.175			94.85 (95)

RUNOFF CURVE NUMBER DATA

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
	95	.226			95.40
COMPOSITE AREA & WEIGHTED CN --->		.226			95.40 (95)

RUNOFF CURVE NUMBER DATA

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
	92	.190			92.04
COMPOSITE AREA & WEIGHTED CN --->		.190			92.04 (92)

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 8.16 ft
Increment = .10 ft
Max. Elev.= 9.75 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	W0	--->	TW	9.330	9.750
TW SETUP, DS Channel					

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

OUTLET STRUCTURE INPUT DATA

Structure ID = W0
Structure Type = Weir-Rectangular

# of Openings	=	1
Crest Elev.	=	9.33 ft
Weir Length	=	57.50 ft
Weir Coeff.	=	3.000000

Weir TW effects (Use adjustment equation)

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 7.52 ft
Increment = .10 ft
Max. Elev.= 8.75 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	W0	--->	TW	8.440	8.750
TW SETUP, DS Channel					

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

OUTLET STRUCTURE INPUT DATA

Structure ID	=	W0
Structure Type	=	Weir-Rectangular
# of Openings	=	1
Crest Elev.	=	8.44 ft
Weir Length	=	77.50 ft
Weir Coeff.	=	3.000000

Weir TW effects (Use adjustment equation)

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 7.31 ft
Increment = .10 ft
Max. Elev.= 8.50 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	W0	--->	TW	8.190	8.500
TW SETUP, DS Channel					

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

OUTLET STRUCTURE INPUT DATA

Structure ID	=	W0
Structure Type	=	Weir-Rectangular
# of Openings	=	1
Crest Elev.	=	8.19 ft
Weir Length	=	77.50 ft
Weir Coeff.	=	3.000000

Weir TW effects (Use adjustment equation)

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 6.96 ft
Increment = .10 ft
Max. Elev.= 8.00 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	W0	--->	TW	7.630	8.000
Weir-Rectangular	W1	--->	TW	7.880	8.000

TW SETUP, DS Channel

Title... Project Date:
Project Engineer: Justin C. Bishop
Project Title: Greenfield Commercial
Project Comments:

OUTLET STRUCTURE INPUT DATA

Structure ID = W0
Structure Type = Weir-Rectangular

# of Openings	=	1
Crest Elev.	=	7.63 ft
Weir Length	=	5.00 ft
Weir Coeff.	=	3.000000

Weir TW effects (Use adjustment equation)

Structure ID = W1
Structure Type = Weir-Rectangular

# of Openings	=	1
Crest Elev.	=	7.88 ft
Weir Length	=	18.43 ft
Weir Coeff.	=	3.000000

Weir TW effects (Use adjustment equation)

Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
8.16	-----	.1626	.0000	.000	.000
8.25	-----	.1626	.4879	.015	.015
8.50	-----	.1626	.4879	.041	.055
8.75	-----	.1626	.4879	.041	.096
9.00	-----	.1626	.4879	.041	.137
9.25	-----	.1626	.4879	.041	.177
9.50	-----	.1626	.4879	.041	.218
9.75	-----	.1626	.4879	.041	.259

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

VOLUME COMPLETELY FILLED WITH MATERIAL
(Adjust Volumes for Voids)

Void Spaces = 40.00000 %

HW Elv, ft	Total, ac-ft	Adjusted, ac-ft
8.16	.000	.000
8.25	.015	.006
8.50	.055	.022
8.75	.096	.038
9.00	.137	.055
9.25	.177	.071
9.50	.218	.087
9.75	.259	.103

Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
7.52	-----	.1047	.0000	.000	.000
7.75	-----	.1047	.3140	.024	.024
8.00	-----	.1047	.3140	.026	.050
8.25	-----	.1047	.3140	.026	.076
8.50	-----	.1047	.3140	.026	.103
8.75	-----	.1047	.3140	.026	.129

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

VOLUME COMPLETELY FILLED WITH MATERIAL
(Adjust Volumes for Voids)

Void Spaces = 40.00000 %

HW Elv, ft	Total, ac-ft	Adjusted,ac-ft
7.52	.000	.000
7.75	.024	.010
8.00	.050	.020
8.25	.076	.031
8.50	.103	.041
8.75	.129	.051

Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
7.31	-----	.1085	.0000	.000	.000
7.50	-----	.1085	.3254	.021	.021
7.75	-----	.1085	.3254	.027	.048
8.00	-----	.1085	.3254	.027	.075
8.25	-----	.1085	.3254	.027	.102
8.50	-----	.1085	.3254	.027	.129

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

VOLUME COMPLETELY FILLED WITH MATERIAL
(Adjust Volumes for Voids)

Void Spaces = 40.00000 %

HW Elv, ft	Total, ac-ft	Adjusted,ac-ft
7.31	.000	.000
7.50	.021	.008
7.75	.048	.019
8.00	.075	.030
8.25	.102	.041
8.50	.129	.052

Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
6.96	-----	.1276	.0000	.000	.000
7.00	-----	.1276	.3827	.005	.005
7.25	-----	.1276	.3827	.032	.037
7.50	-----	.1276	.3827	.032	.069
7.75	-----	.1276	.3827	.032	.101
8.00	-----	.1276	.3827	.032	.133

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

VOLUME COMPLETELY FILLED WITH MATERIAL
(Adjust Volumes for Voids)

Void Spaces = 40.00000 %

HW Elv, ft	Total, ac-ft	Adjusted,ac-ft
6.96	.000	.000
7.00	.005	.002
7.25	.037	.015
7.50	.069	.028
7.75	.101	.040
8.00	.133	.053

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 IN
HYG Tag = 10

Peak Discharge = 3.29 cfs
Time to Peak = 12.1000 hrs
HYG Volume = .290 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.02	.02	.02	.02
5.0000	.02	.02	.02	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.03	.03
6.0000	.03	.03	.03	.03	.03
6.2500	.03	.03	.03	.03	.03
6.5000	.03	.03	.04	.04	.04
6.7500	.04	.04	.04	.04	.04
7.0000	.04	.04	.04	.05	.05
7.2500	.05	.05	.05	.05	.05
7.5000	.05	.05	.05	.06	.06

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.06	.06	.06	.06	.06
8.0000	.06	.06	.07	.07	.07
8.2500	.07	.07	.08	.08	.08
8.5000	.08	.08	.09	.09	.09
8.7500	.09	.10	.10	.10	.10
9.0000	.10	.11	.11	.11	.11
9.2500	.12	.12	.12	.12	.13
9.5000	.13	.13	.13	.14	.14
9.7500	.14	.14	.15	.15	.15
10.0000	.15	.16	.16	.16	.17
10.2500	.17	.18	.18	.19	.19
10.5000	.20	.20	.21	.21	.22
10.7500	.22	.23	.23	.24	.24
11.0000	.25	.26	.27	.28	.30
11.2500	.32	.34	.35	.37	.39
11.5000	.41	.48	.57	.71	.88
11.7500	1.05	1.22	1.40	1.58	2.23
12.0000	3.01	3.23	3.29	2.71	1.95
12.2500	1.63	1.42	1.24	1.06	.89
12.5000	.71	.59	.49	.45	.43
12.7500	.41	.39	.37	.36	.34
13.0000	.32	.31	.29	.29	.28
13.2500	.28	.27	.27	.26	.26
13.5000	.25	.25	.24	.24	.23
13.7500	.23	.22	.22	.21	.21
14.0000	.21	.20	.20	.19	.19
14.2500	.19	.19	.19	.18	.18
14.5000	.18	.18	.17	.17	.17
14.7500	.17	.16	.16	.16	.16
15.0000	.16	.15	.15	.15	.15
15.2500	.14	.14	.14	.14	.13
15.5000	.13	.13	.13	.13	.12
15.7500	.12	.12	.12	.11	.11
16.0000	.11	.11	.11	.10	.10
16.2500	.10	.10	.10	.10	.10
16.5000	.10	.10	.09	.09	.09
16.7500	.09	.09	.09	.09	.09
17.0000	.09	.09	.09	.08	.08
17.2500	.08	.08	.08	.08	.08
17.5000	.08	.08	.07	.07	.07
17.7500	.07	.07	.07	.07	.07
18.0000	.07	.07	.07	.06	.06
18.2500	.06	.06	.06	.06	.06
18.5000	.06	.06	.06	.06	.06
18.7500	.06	.06	.06	.06	.06

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.06	.06	.06	.06	.06
19.2500	.06	.06	.06	.06	.06
19.5000	.06	.06	.06	.06	.06
19.7500	.05	.05	.05	.05	.05
20.0000	.05	.05	.05	.05	.05
20.2500	.05	.05	.05	.05	.05
20.5000	.05	.05	.05	.05	.05
20.7500	.05	.05	.05	.05	.05
21.0000	.05	.05	.05	.05	.05
21.2500	.05	.05	.05	.05	.05
21.5000	.05	.05	.05	.05	.05
21.7500	.05	.05	.05	.04	.04
22.0000	.04	.04	.04	.04	.04
22.2500	.04	.04	.04	.04	.04
22.5000	.04	.04	.04	.04	.04
22.7500	.04	.04	.04	.04	.04
23.0000	.04	.04	.04	.04	.04
23.2500	.04	.04	.04	.04	.04
23.5000	.04	.04	.04	.04	.04
23.7500	.04	.04	.04	.04	.04
24.0000	.04				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 INF
HYG Tag = 10

Peak Discharge = .25 cfs
Time to Peak = 11.1500 hrs
HYG Volume = .241 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.02	.02	.02	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.03	.03	.03
6.2500	.03	.03	.03	.03	.03
6.5000	.03	.03	.03	.03	.03
6.7500	.03	.04	.04	.04	.04
7.0000	.04	.04	.04	.04	.04
7.2500	.04	.04	.05	.05	.05
7.5000	.05	.05	.05	.05	.05

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.05	.05	.06	.06	.06
8.0000	.06	.06	.06	.06	.06
8.2500	.07	.07	.07	.07	.07
8.5000	.07	.08	.08	.08	.08
8.7500	.08	.09	.09	.09	.09
9.0000	.10	.10	.10	.10	.10
9.2500	.11	.11	.11	.11	.12
9.5000	.12	.12	.12	.13	.13
9.7500	.13	.13	.14	.14	.14
10.0000	.14	.15	.15	.15	.16
10.2500	.16	.16	.17	.17	.18
10.5000	.18	.18	.19	.19	.20
10.7500	.20	.21	.21	.22	.22
11.0000	.23	.23	.24	.25	.25
11.2500	.25	.25	.25	.25	.25
11.5000	.25	.25	.25	.25	.25
11.7500	.25	.25	.25	.25	.25
12.0000	.25	.25	.25	.25	.25
12.2500	.25	.25	.25	.25	.25
12.5000	.25	.25	.25	.25	.25
12.7500	.25	.25	.25	.25	.25
13.0000	.25	.25	.25	.25	.25
13.2500	.25	.25	.25	.25	.25
13.5000	.25	.25	.25	.25	.25
13.7500	.25	.25	.25	.25	.25
14.0000	.25	.25	.25	.25	.25
14.2500	.25	.25	.25	.25	.25
14.5000	.25	.25	.25	.25	.25
14.7500	.25	.25	.25	.25	.25
15.0000	.25	.25	.25	.25	.25
15.2500	.25	.25	.25	.25	.25
15.5000	.25	.25	.25	.25	.25
15.7500	.25	.25	.25	.25	.25
16.0000	.25	.25	.25	.25	.25
16.2500	.25	.25	.25	.25	.25
16.5000	.25	.25	.25	.25	.25
16.7500	.25	.25	.25	.25	.25
17.0000	.25	.25	.25	.25	.25
17.2500	.25	.25	.25	.25	.25
17.5000	.25	.25	.25	.25	.25
17.7500	.25	.25	.25	.25	.25
18.0000	.25	.25	.25	.25	.25
18.2500	.25	.25	.25	.25	.25
18.5000	.25	.25	.25	.25	.25
18.7500	.25	.25	.25	.25	.25

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.25	.25	.25	.25	.25
19.2500	.25	.25	.25	.25	.25
19.5000	.25	.25	.25	.25	.25
19.7500	.25	.25	.25	.25	.25
20.0000	.22	.18	.15	.13	.11
20.2500	.10	.09	.08	.07	.07
20.5000	.07	.06	.06	.06	.06
20.7500	.05	.05	.05	.05	.05
21.0000	.05	.05	.05	.05	.05
21.2500	.05	.05	.05	.05	.05
21.5000	.05	.05	.05	.05	.05
21.7500	.05	.05	.05	.05	.05
22.0000	.05	.04	.04	.04	.04
22.2500	.04	.04	.04	.04	.04
22.5000	.04	.04	.04	.04	.04
22.7500	.04	.04	.04	.04	.04
23.0000	.04	.04	.04	.04	.04
23.2500	.04	.04	.04	.04	.04
23.5000	.04	.04	.04	.04	.04
23.7500	.04	.04	.04	.04	.04
24.0000	.04				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 OUT
HYG Tag = 10

Peak Discharge = 1.91 cfs
Time to Peak = 12.2000 hrs
HYG Volume = .049 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.00	1.44	1.91
12.2500	1.52	1.27	1.07	.89	.76
12.5000	.59	.44	.33	.25	.21
12.7500	.18	.16	.14	.12	.11
13.0000	.09	.07	.06	.05	.04
13.2500	.04	.03	.03	.02	.02
13.5000	.01	.01	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 IN
HYG Tag = 50

Peak Discharge =	4.51 cfs
Time to Peak =	12.1000 hrs
HYG Volume =	.405 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.01	.01	.01	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.02	.02	.02	.02
3.7500	.02	.02	.02	.02	.02
4.0000	.02	.02	.02	.02	.02
4.2500	.02	.02	.03	.03	.03
4.5000	.03	.03	.03	.03	.03
4.7500	.03	.03	.03	.03	.03
5.0000	.03	.03	.03	.04	.04
5.2500	.04	.04	.04	.04	.04
5.5000	.04	.04	.04	.04	.04
5.7500	.04	.04	.04	.05	.05
6.0000	.05	.05	.05	.05	.05
6.2500	.05	.05	.05	.06	.06
6.5000	.06	.06	.06	.06	.06
6.7500	.06	.07	.07	.07	.07
7.0000	.07	.07	.07	.08	.08
7.2500	.08	.08	.08	.08	.08
7.5000	.09	.09	.09	.09	.09

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.09	.09	.10	.10	.10
8.0000	.10	.10	.10	.11	.11
8.2500	.11	.12	.12	.12	.12
8.5000	.13	.13	.13	.14	.14
8.7500	.14	.15	.15	.15	.16
9.0000	.16	.16	.17	.17	.17
9.2500	.18	.18	.18	.18	.19
9.5000	.19	.20	.20	.20	.21
9.7500	.21	.21	.22	.22	.22
10.0000	.23	.23	.24	.24	.25
10.2500	.25	.26	.27	.27	.28
10.5000	.29	.29	.30	.31	.31
10.7500	.32	.33	.33	.34	.35
11.0000	.36	.37	.38	.41	.43
11.2500	.45	.48	.50	.53	.55
11.5000	.58	.68	.80	1.00	1.23
11.7500	1.46	1.70	1.94	2.19	3.08
12.0000	4.14	4.44	4.51	3.71	2.67
12.2500	2.22	1.94	1.69	1.45	1.21
12.5000	.97	.81	.67	.62	.59
12.7500	.56	.53	.51	.48	.46
13.0000	.43	.42	.40	.39	.38
13.2500	.38	.37	.36	.36	.35
13.5000	.34	.34	.33	.32	.32
13.7500	.31	.30	.30	.29	.28
14.0000	.28	.27	.27	.26	.26
14.2500	.26	.25	.25	.25	.25
14.5000	.24	.24	.24	.23	.23
14.7500	.23	.22	.22	.22	.21
15.0000	.21	.21	.20	.20	.20
15.2500	.19	.19	.19	.19	.18
15.5000	.18	.18	.17	.17	.17
15.7500	.16	.16	.16	.15	.15
16.0000	.15	.15	.14	.14	.14
16.2500	.14	.14	.14	.13	.13
16.5000	.13	.13	.13	.13	.13
16.7500	.12	.12	.12	.12	.12
17.0000	.12	.12	.11	.11	.11
17.2500	.11	.11	.11	.11	.11
17.5000	.10	.10	.10	.10	.10
17.7500	.10	.10	.09	.09	.09
18.0000	.09	.09	.09	.09	.09
18.2500	.09	.09	.09	.09	.09
18.5000	.08	.08	.08	.08	.08
18.7500	.08	.08	.08	.08	.08

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.08	.08	.08	.08	.08
19.2500	.08	.08	.08	.08	.08
19.5000	.08	.08	.08	.08	.07
19.7500	.07	.07	.07	.07	.07
20.0000	.07	.07	.07	.07	.07
20.2500	.07	.07	.07	.07	.07
20.5000	.07	.07	.07	.07	.07
20.7500	.07	.07	.07	.07	.07
21.0000	.07	.07	.07	.06	.06
21.2500	.06	.06	.06	.06	.06
21.5000	.06	.06	.06	.06	.06
21.7500	.06	.06	.06	.06	.06
22.0000	.06	.06	.06	.06	.06
22.2500	.06	.06	.06	.06	.06
22.5000	.06	.06	.06	.06	.06
22.7500	.06	.05	.05	.05	.05
23.0000	.05	.05	.05	.05	.05
23.2500	.05	.05	.05	.05	.05
23.5000	.05	.05	.05	.05	.05
23.7500	.05	.05	.05	.05	.05
24.0000	.05				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 INF
HYG Tag = 50

Peak Discharge = .25 cfs
Time to Peak = 10.3500 hrs
HYG Volume = .285 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.02	.02	.02	.02	.02
4.0000	.02	.02	.02	.02	.02
4.2500	.02	.02	.02	.02	.02
4.5000	.02	.03	.03	.03	.03
4.7500	.03	.03	.03	.03	.03
5.0000	.03	.03	.03	.03	.03
5.2500	.03	.03	.04	.04	.04
5.5000	.04	.04	.04	.04	.04
5.7500	.04	.04	.04	.04	.04
6.0000	.04	.04	.05	.05	.05
6.2500	.05	.05	.05	.05	.05
6.5000	.05	.05	.06	.06	.06
6.7500	.06	.06	.06	.06	.06
7.0000	.07	.07	.07	.07	.07
7.2500	.07	.07	.08	.08	.08
7.5000	.08	.08	.08	.08	.09

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.09	.09	.09	.09	.09
8.0000	.09	.10	.10	.10	.10
8.2500	.10	.11	.11	.11	.11
8.5000	.12	.12	.12	.12	.13
8.7500	.13	.13	.14	.14	.14
9.0000	.15	.15	.15	.16	.16
9.2500	.16	.17	.17	.17	.18
9.5000	.18	.18	.18	.19	.19
9.7500	.20	.20	.20	.21	.21
10.0000	.21	.22	.22	.22	.23
10.2500	.23	.24	.25	.25	.25
10.5000	.25	.25	.25	.25	.25
10.7500	.25	.25	.25	.25	.25
11.0000	.25	.25	.25	.25	.25
11.2500	.25	.25	.25	.25	.25
11.5000	.25	.25	.25	.25	.25
11.7500	.25	.25	.25	.25	.25
12.0000	.25	.25	.25	.25	.25
12.2500	.25	.25	.25	.25	.25
12.5000	.25	.25	.25	.25	.25
12.7500	.25	.25	.25	.25	.25
13.0000	.25	.25	.25	.25	.25
13.2500	.25	.25	.25	.25	.25
13.5000	.25	.25	.25	.25	.25
13.7500	.25	.25	.25	.25	.25
14.0000	.25	.25	.25	.25	.25
14.2500	.25	.25	.25	.25	.25
14.5000	.25	.25	.25	.25	.25
14.7500	.25	.25	.25	.25	.25
15.0000	.25	.25	.25	.25	.25
15.2500	.25	.25	.25	.25	.25
15.5000	.25	.25	.25	.25	.25
15.7500	.25	.25	.25	.25	.25
16.0000	.25	.25	.25	.25	.25
16.2500	.25	.25	.25	.25	.25
16.5000	.25	.25	.25	.25	.25
16.7500	.25	.25	.25	.25	.25
17.0000	.25	.25	.25	.25	.25
17.2500	.25	.25	.25	.25	.25
17.5000	.25	.25	.25	.25	.25
17.7500	.25	.25	.25	.25	.25
18.0000	.25	.25	.25	.25	.25
18.2500	.25	.25	.25	.25	.25
18.5000	.25	.25	.25	.25	.25
18.7500	.25	.25	.25	.25	.25

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.25	.25	.25	.25	.25
19.2500	.25	.25	.25	.25	.25
19.5000	.25	.25	.25	.25	.25
19.7500	.25	.25	.25	.25	.25
20.0000	.25	.25	.25	.25	.25
20.2500	.25	.25	.25	.25	.25
20.5000	.25	.25	.25	.25	.25
20.7500	.25	.25	.25	.25	.25
21.0000	.25	.25	.25	.25	.23
21.2500	.19	.16	.14	.12	.11
21.5000	.10	.09	.09	.08	.08
21.7500	.07	.07	.07	.07	.07
22.0000	.06	.06	.06	.06	.06
22.2500	.06	.06	.06	.06	.06
22.5000	.06	.06	.06	.06	.06
22.7500	.06	.06	.06	.06	.06
23.0000	.05	.05	.05	.05	.05
23.2500	.05	.05	.05	.05	.05
23.5000	.05	.05	.05	.05	.05
23.7500	.05	.05	.05	.05	.05
24.0000	.05				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 1 OUT
HYG Tag = 50

Peak Discharge = 4.17 cfs
Time to Peak = 12.1000 hrs
HYG Volume = .119 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	3.48	4.17	3.76	2.84
12.2500	2.18	1.82	1.55	1.30	1.06
12.5000	.85	.68	.53	.43	.37
12.7500	.34	.31	.28	.26	.23
13.0000	.21	.18	.17	.15	.14
13.2500	.14	.13	.12	.12	.11
13.5000	.10	.10	.09	.08	.08
13.7500	.07	.06	.06	.05	.04
14.0000	.04	.03	.03	.02	.02
14.2500	.01	.01	.01	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 IN
HYG Tag = 10

Peak Discharge =	2.48 cfs
Time to Peak =	12.2000 hrs
HYG Volume =	.138 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.01	.01
6.0000	.01	.01	.01	.01	.01
6.2500	.01	.01	.01	.01	.01
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.02
7.2500	.02	.02	.02	.02	.02
7.5000	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.02	.02	.02	.02	.02
8.0000	.02	.02	.03	.03	.03
8.2500	.03	.03	.03	.03	.03
8.5000	.03	.03	.03	.03	.03
8.7500	.03	.03	.04	.04	.04
9.0000	.04	.04	.04	.04	.04
9.2500	.04	.04	.04	.04	.04
9.5000	.04	.05	.05	.05	.05
9.7500	.05	.05	.05	.05	.05
10.0000	.05	.05	.05	.05	.06
10.2500	.06	.06	.06	.06	.06
10.5000	.06	.07	.07	.07	.07
10.7500	.07	.07	.07	.08	.08
11.0000	.08	.08	.09	.09	.10
11.2500	.10	.11	.11	.12	.12
11.5000	.13	.15	.18	.22	.27
11.7500	.32	.37	.42	.48	.67
12.0000	.90	.96	.97	2.24	2.48
12.2500	2.00	1.68	1.43	1.20	1.02
12.5000	.80	.62	.47	.38	.33
12.7500	.30	.28	.25	.23	.20
13.0000	.18	.16	.14	.13	.12
13.2500	.12	.11	.10	.10	.09
13.5000	.08	.08	.07	.07	.07
13.7500	.07	.07	.06	.06	.06
14.0000	.06	.06	.06	.06	.06
14.2500	.06	.05	.05	.05	.05
14.5000	.05	.05	.05	.05	.05
14.7500	.05	.05	.05	.05	.05
15.0000	.05	.04	.04	.04	.04
15.2500	.04	.04	.04	.04	.04
15.5000	.04	.04	.04	.04	.04
15.7500	.03	.03	.03	.03	.03
16.0000	.03	.03	.03	.03	.03
16.2500	.03	.03	.03	.03	.03
16.5000	.03	.03	.03	.03	.03
16.7500	.03	.03	.03	.03	.03
17.0000	.03	.02	.02	.02	.02
17.2500	.02	.02	.02	.02	.02
17.5000	.02	.02	.02	.02	.02
17.7500	.02	.02	.02	.02	.02
18.0000	.02	.02	.02	.02	.02
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.01	.01	.01
20.5000	.01	.01	.01	.01	.01
20.7500	.01	.01	.01	.01	.01
21.0000	.01	.01	.01	.01	.01
21.2500	.01	.01	.01	.01	.01
21.5000	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.2500	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 INF
HYG Tag = 10

Peak Discharge = .16 cfs
Time to Peak = 11.7500 hrs
HYG Volume = .103 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.01	.01
6.0000	.01	.01	.01	.01	.01
6.2500	.01	.01	.01	.01	.01
6.5000	.01	.01	.01	.01	.01
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.02
7.2500	.02	.02	.02	.02	.02
7.5000	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.02	.02	.02	.02	.02
8.0000	.02	.02	.02	.02	.02
8.2500	.02	.03	.03	.03	.03
8.5000	.03	.03	.03	.03	.03
8.7500	.03	.03	.03	.03	.03
9.0000	.03	.03	.04	.04	.04
9.2500	.04	.04	.04	.04	.04
9.5000	.04	.04	.04	.04	.04
9.7500	.04	.04	.05	.05	.05
10.0000	.05	.05	.05	.05	.05
10.2500	.05	.05	.05	.06	.06
10.5000	.06	.06	.06	.06	.06
10.7500	.06	.07	.07	.07	.07
11.0000	.07	.07	.08	.08	.08
11.2500	.08	.09	.09	.09	.10
11.5000	.10	.11	.12	.13	.15
11.7500	.16	.16	.16	.16	.16
12.0000	.16	.16	.16	.16	.16
12.2500	.16	.16	.16	.16	.16
12.5000	.16	.16	.16	.16	.16
12.7500	.16	.16	.16	.16	.16
13.0000	.16	.16	.16	.16	.16
13.2500	.16	.16	.16	.16	.16
13.5000	.16	.16	.16	.16	.16
13.7500	.16	.16	.16	.16	.16
14.0000	.16	.16	.16	.16	.16
14.2500	.16	.16	.16	.16	.16
14.5000	.16	.16	.16	.16	.16
14.7500	.16	.16	.16	.16	.16
15.0000	.16	.16	.16	.16	.16
15.2500	.16	.16	.16	.16	.16
15.5000	.16	.16	.16	.16	.16
15.7500	.16	.16	.16	.16	.16
16.0000	.16	.16	.16	.16	.16
16.2500	.16	.16	.16	.16	.16
16.5000	.16	.16	.16	.16	.16
16.7500	.16	.16	.16	.16	.16
17.0000	.16	.15	.13	.11	.10
17.2500	.08	.07	.06	.06	.05
17.5000	.05	.04	.04	.04	.03
17.7500	.03	.03	.03	.03	.03
18.0000	.02	.02	.02	.02	.02
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.01	.01	.01
20.7500	.01	.01	.01	.01	.01
21.0000	.01	.01	.01	.01	.01
21.2500	.01	.01	.01	.01	.01
21.5000	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.2500	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 OUT
HYG Tag = 10

Peak Discharge = 1.57 cfs
Time to Peak = 12.3000 hrs
HYG Volume = .035 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.00	.00	.00
12.2500	.95	1.57	1.36	1.13	.93
12.5000	.72	.53	.37	.25	.19
12.7500	.16	.13	.10	.08	.05
13.0000	.03	.01	.00	.00	.00
13.2500	.00	.00	.00	.00	.00
13.5000	.00	.00	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 IN
HYG Tag = 50

Peak Discharge = 5.49 cfs
Time to Peak = 12.1000 hrs
HYG Volume = .242 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.01	.01
2.5000	.01	.01	.01	.01	.01
2.7500	.01	.01	.01	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.02	.02
5.0000	.02	.02	.02	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.02	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.03	.03	.03	.03
7.0000	.03	.03	.03	.03	.03
7.2500	.03	.03	.03	.03	.03
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.04	.04	.04	.04	.04
8.2500	.04	.04	.04	.04	.04
8.5000	.04	.04	.05	.05	.05
8.7500	.05	.05	.05	.05	.05
9.0000	.05	.05	.05	.06	.06
9.2500	.06	.06	.06	.06	.06
9.5000	.06	.06	.06	.07	.07
9.7500	.07	.07	.07	.07	.07
10.0000	.07	.07	.07	.08	.08
10.2500	.08	.08	.08	.09	.09
10.5000	.09	.09	.09	.10	.10
10.7500	.10	.10	.10	.11	.11
11.0000	.11	.11	.12	.12	.13
11.2500	.14	.15	.15	.16	.17
11.5000	.17	.20	.24	.30	.37
11.7500	.44	.51	.58	.65	.91
12.0000	1.22	4.77	5.49	4.84	3.62
12.2500	2.83	2.38	2.04	1.72	1.41
12.5000	1.13	.92	.72	.60	.54
12.7500	.50	.46	.43	.40	.36
13.0000	.33	.30	.28	.26	.25
13.2500	.24	.24	.23	.22	.21
13.5000	.20	.19	.18	.18	.17
13.7500	.16	.15	.14	.13	.13
14.0000	.12	.11	.10	.10	.09
14.2500	.09	.08	.08	.08	.07
14.5000	.07	.07	.07	.07	.07
14.7500	.07	.06	.06	.06	.06
15.0000	.06	.06	.06	.06	.06
15.2500	.06	.06	.05	.05	.05
15.5000	.05	.05	.05	.05	.05
15.7500	.05	.05	.05	.04	.04
16.0000	.04	.04	.04	.04	.04
16.2500	.04	.04	.04	.04	.04
16.5000	.04	.04	.04	.04	.04
16.7500	.04	.04	.03	.03	.03
17.0000	.03	.03	.03	.03	.03
17.2500	.03	.03	.03	.03	.03
17.5000	.03	.03	.03	.03	.03
17.7500	.03	.03	.03	.03	.03
18.0000	.03	.03	.03	.03	.03
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 INF
HYG Tag = 50

Peak Discharge = .16 cfs
Time to Peak = 11.6000 hrs
HYG Volume = .123 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.01	.01
2.7500	.01	.01	.01	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.02	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.03	.03	.03	.03
7.2500	.03	.03	.03	.03	.03
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.03	.03	.03	.03	.04
8.2500	.04	.04	.04	.04	.04
8.5000	.04	.04	.04	.04	.04
8.7500	.04	.04	.05	.05	.05
9.0000	.05	.05	.05	.05	.05
9.2500	.05	.05	.05	.06	.06
9.5000	.06	.06	.06	.06	.06
9.7500	.06	.06	.06	.06	.07
10.0000	.07	.07	.07	.07	.07
10.2500	.07	.07	.08	.08	.08
10.5000	.08	.08	.08	.09	.09
10.7500	.09	.09	.09	.10	.10
11.0000	.10	.10	.10	.11	.11
11.2500	.11	.12	.12	.13	.14
11.5000	.14	.15	.16	.16	.16
11.7500	.16	.16	.16	.16	.16
12.0000	.16	.16	.16	.16	.16
12.2500	.16	.16	.16	.16	.16
12.5000	.16	.16	.16	.16	.16
12.7500	.16	.16	.16	.16	.16
13.0000	.16	.16	.16	.16	.16
13.2500	.16	.16	.16	.16	.16
13.5000	.16	.16	.16	.16	.16
13.7500	.16	.16	.16	.16	.16
14.0000	.16	.16	.16	.16	.16
14.2500	.16	.16	.16	.16	.16
14.5000	.16	.16	.16	.16	.16
14.7500	.16	.16	.16	.16	.16
15.0000	.16	.16	.16	.16	.16
15.2500	.16	.16	.16	.16	.16
15.5000	.16	.16	.16	.16	.16
15.7500	.16	.16	.16	.16	.16
16.0000	.16	.16	.16	.16	.16
16.2500	.16	.16	.16	.16	.16
16.5000	.16	.16	.16	.16	.16
16.7500	.16	.16	.16	.16	.16
17.0000	.16	.16	.16	.16	.16
17.2500	.16	.16	.16	.16	.16
17.5000	.16	.16	.16	.16	.16
17.7500	.16	.16	.16	.15	.13
18.0000	.11	.09	.08	.07	.06
18.2500	.06	.05	.05	.04	.04
18.5000	.04	.04	.03	.03	.03
18.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
19.0000	.03	.03	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.02	.02	.02	.02	.02
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 2 OUT
HYG Tag = 50

Peak Discharge =	4.88 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.120 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	3.95	4.88	3.85
12.2500	2.93	2.38	2.01	1.68	1.37
12.5000	1.07	.84	.64	.49	.40
12.7500	.35	.32	.28	.25	.22
13.0000	.18	.16	.13	.11	.10
13.2500	.09	.08	.07	.06	.05
13.5000	.05	.04	.03	.02	.01
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 IN
HYG Tag = 10

Peak Discharge =	2.11 cfs
Time to Peak =	12.3000 hrs
HYG Volume =	.151 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.02	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.02
7.2500	.03	.03	.03	.03	.03
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.03	.03	.03	.03	.03
8.2500	.04	.04	.04	.04	.04
8.5000	.04	.04	.04	.04	.04
8.7500	.04	.04	.05	.05	.05
9.0000	.05	.05	.05	.05	.05
9.2500	.05	.05	.05	.06	.06
9.5000	.06	.06	.06	.06	.06
9.7500	.06	.06	.06	.06	.07
10.0000	.07	.07	.07	.07	.07
10.2500	.07	.08	.08	.08	.08
10.5000	.08	.09	.09	.09	.09
10.7500	.09	.09	.10	.10	.10
11.0000	.10	.11	.11	.12	.12
11.2500	.13	.14	.14	.15	.16
11.5000	.16	.19	.23	.28	.35
11.7500	.41	.48	.55	.62	.86
12.0000	1.16	1.24	1.26	1.03	.74
12.2500	1.56	2.11	1.83	1.53	1.27
12.5000	.99	.75	.55	.43	.35
12.7500	.31	.28	.24	.21	.18
13.0000	.15	.12	.11	.11	.11
13.2500	.10	.10	.10	.10	.10
13.5000	.10	.09	.09	.09	.09
13.7500	.09	.08	.08	.08	.08
14.0000	.08	.08	.07	.07	.07
14.2500	.07	.07	.07	.07	.07
14.5000	.07	.07	.07	.06	.06
14.7500	.06	.06	.06	.06	.06
15.0000	.06	.06	.06	.06	.05
15.2500	.05	.05	.05	.05	.05
15.5000	.05	.05	.05	.05	.05
15.7500	.05	.04	.04	.04	.04
16.0000	.04	.04	.04	.04	.04
16.2500	.04	.04	.04	.04	.04
16.5000	.04	.04	.04	.04	.03
16.7500	.03	.03	.03	.03	.03
17.0000	.03	.03	.03	.03	.03
17.2500	.03	.03	.03	.03	.03
17.5000	.03	.03	.03	.03	.03
17.7500	.03	.03	.03	.03	.03
18.0000	.02	.02	.02	.02	.02
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.01	.01
23.0000	.01	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 INF
HYG Tag = 10

Peak Discharge = .16 cfs
Time to Peak = 11.6000 hrs
HYG Volume = .116 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.02	.02
6.0000	.02	.02	.02	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.02
7.2500	.02	.02	.02	.03	.03
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.03	.03	.03	.03	.03
8.2500	.03	.03	.03	.03	.04
8.5000	.04	.04	.04	.04	.04
8.7500	.04	.04	.04	.04	.04
9.0000	.05	.05	.05	.05	.05
9.2500	.05	.05	.05	.05	.05
9.5000	.05	.06	.06	.06	.06
9.7500	.06	.06	.06	.06	.06
10.0000	.06	.06	.07	.07	.07
10.2500	.07	.07	.07	.07	.08
10.5000	.08	.08	.08	.08	.08
10.7500	.09	.09	.09	.09	.09
11.0000	.10	.10	.10	.10	.11
11.2500	.11	.12	.12	.13	.14
11.5000	.14	.15	.16	.16	.16
11.7500	.16	.16	.16	.16	.16
12.0000	.16	.16	.16	.16	.16
12.2500	.16	.16	.16	.16	.16
12.5000	.16	.16	.16	.16	.16
12.7500	.16	.16	.16	.16	.16
13.0000	.16	.16	.16	.16	.16
13.2500	.16	.16	.16	.16	.16
13.5000	.16	.16	.16	.16	.16
13.7500	.16	.16	.16	.16	.16
14.0000	.16	.16	.16	.16	.16
14.2500	.16	.16	.16	.16	.16
14.5000	.16	.16	.16	.16	.16
14.7500	.16	.16	.16	.16	.16
15.0000	.16	.16	.16	.16	.16
15.2500	.16	.16	.16	.16	.16
15.5000	.16	.16	.16	.16	.16
15.7500	.16	.16	.16	.16	.16
16.0000	.16	.16	.16	.16	.16
16.2500	.16	.16	.16	.16	.16
16.5000	.16	.16	.16	.16	.16
16.7500	.16	.16	.16	.16	.16
17.0000	.16	.16	.16	.16	.16
17.2500	.14	.11	.09	.08	.06
17.5000	.05	.05	.04	.04	.04
17.7500	.03	.03	.03	.03	.03
18.0000	.03	.03	.03	.03	.03
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 OUT
HYG Tag = 10

Peak Discharge =	1.72 cfs
Time to Peak =	12.3500 hrs
HYG Volume =	.035 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.00	.00	.00
12.2500	.00	.90	1.72	1.46	1.19
12.5000	.92	.66	.49	.33	.23
12.7500	.17	.13	.10	.06	.03
13.0000	.00	.00	.00	.00	.00
13.2500	.00	.00	.00	.00	.00
13.5000	.00	.00	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 IN
HYG Tag = 50

Peak Discharge =	6.27 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.279 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.01	.01	.01
2.2500	.01	.01	.01	.01	.01
2.5000	.01	.01	.01	.01	.01
2.7500	.01	.01	.01	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.02	.02	.02	.02	.02
4.2500	.02	.02	.02	.02	.02
4.5000	.02	.02	.02	.02	.02
4.7500	.02	.02	.02	.02	.02
5.0000	.02	.02	.02	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.03	.03	.03
6.2500	.03	.03	.03	.03	.03
6.5000	.03	.03	.03	.03	.03
6.7500	.03	.03	.03	.03	.03
7.0000	.03	.04	.04	.04	.04
7.2500	.04	.04	.04	.04	.04
7.5000	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.04	.04	.04	.04	.05
8.0000	.05	.05	.05	.05	.05
8.2500	.05	.05	.05	.05	.06
8.5000	.06	.06	.06	.06	.06
8.7500	.06	.06	.06	.07	.07
9.0000	.07	.07	.07	.07	.07
9.2500	.07	.08	.08	.08	.08
9.5000	.08	.08	.08	.08	.09
9.7500	.09	.09	.09	.09	.09
10.0000	.09	.09	.10	.10	.10
10.2500	.10	.11	.11	.11	.11
10.5000	.12	.12	.12	.12	.13
10.7500	.13	.13	.13	.14	.14
11.0000	.14	.15	.15	.16	.17
11.2500	.18	.19	.20	.21	.22
11.5000	.23	.26	.31	.39	.48
11.7500	.56	.65	.74	.84	1.17
12.0000	1.57	1.68	5.65	6.27	4.85
12.2500	3.77	3.11	2.64	2.22	1.82
12.5000	1.43	1.14	.89	.72	.62
12.7500	.56	.52	.47	.43	.39
13.0000	.35	.31	.28	.26	.24
13.2500	.23	.22	.21	.20	.18
13.5000	.17	.16	.15	.14	.13
13.7500	.12	.11	.11	.11	.11
14.0000	.10	.10	.10	.10	.10
14.2500	.10	.09	.09	.09	.09
14.5000	.09	.09	.09	.09	.09
14.7500	.08	.08	.08	.08	.08
15.0000	.08	.08	.08	.07	.07
15.2500	.07	.07	.07	.07	.07
15.5000	.07	.07	.06	.06	.06
15.7500	.06	.06	.06	.06	.06
16.0000	.05	.05	.05	.05	.05
16.2500	.05	.05	.05	.05	.05
16.5000	.05	.05	.05	.05	.05
16.7500	.05	.05	.05	.04	.04
17.0000	.04	.04	.04	.04	.04
17.2500	.04	.04	.04	.04	.04
17.5000	.04	.04	.04	.04	.04
17.7500	.04	.04	.03	.03	.03
18.0000	.03	.03	.03	.03	.03
18.2500	.03	.03	.03	.03	.03
18.5000	.03	.03	.03	.03	.03
18.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.03	.03	.03	.03	.03
19.2500	.03	.03	.03	.03	.03
19.5000	.03	.03	.03	.03	.03
19.7500	.03	.03	.03	.03	.03
20.0000	.03	.03	.03	.03	.03
20.2500	.03	.03	.03	.03	.03
20.5000	.03	.03	.03	.03	.03
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.02	.02	.02	.02	.02
23.5000	.02	.02	.02	.02	.02
23.7500	.02	.02	.02	.02	.02
24.0000	.02				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 INF
HYG Tag = 50

Peak Discharge = .16 cfs
Time to Peak = 11.3000 hrs
HYG Volume = .139 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.01	.01	.01	.01
2.5000	.01	.01	.01	.01	.01
2.7500	.01	.01	.01	.01	.01
3.0000	.01	.01	.01	.01	.01
3.2500	.01	.01	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.02
4.2500	.02	.02	.02	.02	.02
4.5000	.02	.02	.02	.02	.02
4.7500	.02	.02	.02	.02	.02
5.0000	.02	.02	.02	.02	.02
5.2500	.02	.02	.02	.02	.02
5.5000	.02	.02	.02	.02	.02
5.7500	.02	.02	.02	.02	.02
6.0000	.02	.02	.02	.02	.03
6.2500	.03	.03	.03	.03	.03
6.5000	.03	.03	.03	.03	.03
6.7500	.03	.03	.03	.03	.03
7.0000	.03	.03	.03	.03	.03
7.2500	.04	.04	.04	.04	.04
7.5000	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.04	.04	.04	.04	.04
8.0000	.04	.04	.04	.05	.05
8.2500	.05	.05	.05	.05	.05
8.5000	.05	.05	.05	.06	.06
8.7500	.06	.06	.06	.06	.06
9.0000	.06	.07	.07	.07	.07
9.2500	.07	.07	.07	.07	.08
9.5000	.08	.08	.08	.08	.08
9.7500	.08	.08	.08	.09	.09
10.0000	.09	.09	.09	.09	.09
10.2500	.10	.10	.10	.10	.11
10.5000	.11	.11	.11	.11	.12
10.7500	.12	.12	.12	.13	.13
11.0000	.13	.14	.14	.14	.15
11.2500	.15	.16	.16	.16	.16
11.5000	.16	.16	.16	.16	.16
11.7500	.16	.16	.16	.16	.16
12.0000	.16	.16	.16	.16	.16
12.2500	.16	.16	.16	.16	.16
12.5000	.16	.16	.16	.16	.16
12.7500	.16	.16	.16	.16	.16
13.0000	.16	.16	.16	.16	.16
13.2500	.16	.16	.16	.16	.16
13.5000	.16	.16	.16	.16	.16
13.7500	.16	.16	.16	.16	.16
14.0000	.16	.16	.16	.16	.16
14.2500	.16	.16	.16	.16	.16
14.5000	.16	.16	.16	.16	.16
14.7500	.16	.16	.16	.16	.16
15.0000	.16	.16	.16	.16	.16
15.2500	.16	.16	.16	.16	.16
15.5000	.16	.16	.16	.16	.16
15.7500	.16	.16	.16	.16	.16
16.0000	.16	.16	.16	.16	.16
16.2500	.16	.16	.16	.16	.16
16.5000	.16	.16	.16	.16	.16
16.7500	.16	.16	.16	.16	.16
17.0000	.16	.16	.16	.16	.16
17.2500	.16	.16	.16	.16	.16
17.5000	.16	.16	.16	.16	.16
17.7500	.16	.16	.16	.16	.16
18.0000	.16	.16	.13	.10	.08
18.2500	.07	.06	.05	.05	.04
18.5000	.04	.04	.04	.04	.03
18.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.03	.03	.03	.03	.03
19.2500	.03	.03	.03	.03	.03
19.5000	.03	.03	.03	.03	.03
19.7500	.03	.03	.03	.03	.03
20.0000	.03	.03	.03	.03	.03
20.2500	.03	.03	.03	.03	.03
20.5000	.03	.03	.03	.03	.03
20.7500	.03	.03	.03	.03	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.02	.02	.02	.02	.02
23.5000	.02	.02	.02	.02	.02
23.7500	.02	.02	.02	.02	.02
24.0000	.02				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 3 OUT
HYG Tag = 50

Peak Discharge =	6.00 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.133 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.45	6.00	5.15
12.2500	3.91	3.14	2.62	2.19	1.78
12.5000	1.39	1.07	.80	.60	.51
12.7500	.43	.38	.33	.29	.25
13.0000	.20	.16	.13	.10	.09
13.2500	.07	.06	.05	.04	.03
13.5000	.02	.00	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 IN
HYG Tag = 10

Peak Discharge =	2.11 cfs
Time to Peak =	12.3500 hrs
HYG Volume =	.126 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.01	.01
6.0000	.01	.01	.01	.01	.01
6.2500	.01	.01	.01	.01	.01
6.5000	.01	.01	.01	.01	.01
6.7500	.01	.01	.01	.01	.01
7.0000	.01	.01	.02	.02	.02
7.2500	.02	.02	.02	.02	.02
7.5000	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.02	.02	.02	.02	.02
8.0000	.02	.02	.02	.02	.02
8.2500	.02	.02	.03	.03	.03
8.5000	.03	.03	.03	.03	.03
8.7500	.03	.03	.03	.03	.03
9.0000	.03	.04	.04	.04	.04
9.2500	.04	.04	.04	.04	.04
9.5000	.04	.04	.04	.04	.04
9.7500	.05	.05	.05	.05	.05
10.0000	.05	.05	.05	.05	.05
10.2500	.06	.06	.06	.06	.06
10.5000	.06	.07	.07	.07	.07
10.7500	.07	.07	.07	.08	.08
11.0000	.08	.08	.09	.09	.10
11.2500	.10	.11	.11	.12	.12
11.5000	.13	.15	.18	.23	.28
11.7500	.33	.38	.44	.50	.70
12.0000	.94	1.01	1.03	.85	.61
12.2500	.51	1.35	2.11	1.79	1.46
12.5000	1.14	.85	.64	.47	.36
12.7500	.30	.25	.21	.18	.14
13.0000	.10	.10	.09	.09	.09
13.2500	.09	.08	.08	.08	.08
13.5000	.08	.08	.08	.07	.07
13.7500	.07	.07	.07	.07	.07
14.0000	.06	.06	.06	.06	.06
14.2500	.06	.06	.06	.06	.06
14.5000	.06	.05	.05	.05	.05
14.7500	.05	.05	.05	.05	.05
15.0000	.05	.05	.05	.05	.05
15.2500	.04	.04	.04	.04	.04
15.5000	.04	.04	.04	.04	.04
15.7500	.04	.04	.04	.04	.03
16.0000	.03	.03	.03	.03	.03
16.2500	.03	.03	.03	.03	.03
16.5000	.03	.03	.03	.03	.03
16.7500	.03	.03	.03	.03	.03
17.0000	.03	.03	.03	.03	.03
17.2500	.03	.03	.02	.02	.02
17.5000	.02	.02	.02	.02	.02
17.7500	.02	.02	.02	.02	.02
18.0000	.02	.02	.02	.02	.02
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.01	.01
21.2500	.01	.01	.01	.01	.01
21.5000	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.2500	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 INF
HYG Tag = 10

Peak Discharge =	.19 cfs
Time to Peak =	11.8000 hrs
HYG Volume =	.100 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.01	.01
6.0000	.01	.01	.01	.01	.01
6.2500	.01	.01	.01	.01	.01
6.5000	.01	.01	.01	.01	.01
6.7500	.01	.01	.01	.01	.01
7.0000	.01	.01	.01	.01	.01
7.2500	.01	.01	.01	.02	.02
7.5000	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.02	.02	.02	.02	.02
8.0000	.02	.02	.02	.02	.02
8.2500	.02	.02	.02	.02	.02
8.5000	.02	.02	.02	.03	.03
8.7500	.03	.03	.03	.03	.03
9.0000	.03	.03	.03	.03	.03
9.2500	.03	.03	.03	.04	.04
9.5000	.04	.04	.04	.04	.04
9.7500	.04	.04	.04	.04	.04
10.0000	.04	.05	.05	.05	.05
10.2500	.05	.05	.05	.05	.05
10.5000	.06	.06	.06	.06	.06
10.7500	.06	.06	.06	.07	.07
11.0000	.07	.07	.07	.07	.08
11.2500	.08	.08	.09	.09	.10
11.5000	.10	.11	.11	.13	.14
11.7500	.17	.19	.19	.19	.19
12.0000	.19	.19	.19	.19	.19
12.2500	.19	.19	.19	.19	.19
12.5000	.19	.19	.19	.19	.19
12.7500	.19	.19	.19	.19	.19
13.0000	.19	.19	.19	.19	.19
13.2500	.19	.19	.19	.19	.19
13.5000	.19	.19	.19	.19	.19
13.7500	.19	.19	.19	.19	.19
14.0000	.19	.19	.19	.19	.19
14.2500	.19	.19	.19	.19	.19
14.5000	.19	.19	.19	.19	.19
14.7500	.19	.19	.19	.19	.19
15.0000	.19	.19	.19	.19	.19
15.2500	.19	.19	.19	.19	.19
15.5000	.19	.19	.19	.19	.19
15.7500	.18	.16	.14	.13	.12
16.0000	.10	.09	.09	.08	.07
16.2500	.07	.06	.06	.05	.05
16.5000	.05	.05	.04	.04	.04
16.7500	.04	.04	.04	.03	.03
17.0000	.03	.03	.03	.03	.03
17.2500	.03	.03	.03	.03	.03
17.5000	.03	.03	.03	.03	.03
17.7500	.02	.02	.02	.02	.02
18.0000	.02	.02	.02	.02	.02
18.2500	.02	.02	.02	.02	.02
18.5000	.02	.02	.02	.02	.02
18.7500	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.02	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.01
21.5000	.01	.01	.01	.01	.01
21.7500	.01	.01	.01	.01	.01
22.0000	.01	.01	.01	.01	.01
22.2500	.01	.01	.01	.01	.01
22.5000	.01	.01	.01	.01	.01
22.7500	.01	.01	.01	.01	.01
23.0000	.01	.01	.01	.01	.01
23.2500	.01	.01	.01	.01	.01
23.5000	.01	.01	.01	.01	.01
23.7500	.01	.01	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 OUT
HYG Tag = 10

Peak Discharge =	1.02 cfs
Time to Peak =	12.5000 hrs
HYG Volume =	.025 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.00	.00	.00
12.2500	.00	.00	.00	.57	.94
12.5000	1.02	.90	.73	.58	.45
12.7500	.33	.24	.17	.10	.07
13.0000	.04	.02	.00	.00	.00
13.2500	.00	.00	.00	.00	.00
13.5000	.00	.00	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 IN
HYG Tag = 50

Peak Discharge =	7.16 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.260 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.01	.01	.01
3.5000	.01	.01	.01	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.02	.02	.02
6.0000	.02	.02	.02	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.03
7.2500	.03	.03	.03	.03	.03
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.03	.03	.03	.03	.04
8.2500	.04	.04	.04	.04	.04
8.5000	.04	.04	.04	.04	.05
8.7500	.05	.05	.05	.05	.05
9.0000	.05	.05	.05	.05	.06
9.2500	.06	.06	.06	.06	.06
9.5000	.06	.06	.06	.06	.07
9.7500	.07	.07	.07	.07	.07
10.0000	.07	.07	.07	.08	.08
10.2500	.08	.08	.08	.09	.09
10.5000	.09	.09	.10	.10	.10
10.7500	.10	.10	.11	.11	.11
11.0000	.11	.12	.12	.13	.14
11.2500	.14	.15	.16	.17	.17
11.5000	.18	.21	.25	.32	.39
11.7500	.46	.53	.61	.68	.96
12.0000	1.29	1.38	1.86	7.16	5.98
12.2500	4.60	3.74	3.14	2.64	2.16
12.5000	1.69	1.32	1.01	.79	.69
12.7500	.60	.54	.49	.44	.39
13.0000	.34	.29	.26	.23	.20
13.2500	.19	.17	.16	.15	.14
13.5000	.12	.11	.10	.10	.10
13.7500	.10	.09	.09	.09	.09
14.0000	.09	.08	.08	.08	.08
14.2500	.08	.08	.08	.08	.08
14.5000	.08	.07	.07	.07	.07
14.7500	.07	.07	.07	.07	.07
15.0000	.07	.06	.06	.06	.06
15.2500	.06	.06	.06	.06	.06
15.5000	.06	.05	.05	.05	.05
15.7500	.05	.05	.05	.05	.05
16.0000	.05	.05	.04	.04	.04
16.2500	.04	.04	.04	.04	.04
16.5000	.04	.04	.04	.04	.04
16.7500	.04	.04	.04	.04	.04
17.0000	.04	.04	.04	.04	.03
17.2500	.03	.03	.03	.03	.03
17.5000	.03	.03	.03	.03	.03
17.7500	.03	.03	.03	.03	.03
18.0000	.03	.03	.03	.03	.03
18.2500	.03	.03	.03	.03	.03
18.5000	.03	.03	.03	.03	.03
18.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.03	.02	.02	.02	.02
19.2500	.02	.02	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.02	.02	.02	.02	.02
23.5000	.02	.02	.02	.02	.02
23.7500	.02	.02	.01	.01	.01
24.0000	.01				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 INF
HYG Tag = 50

Peak Discharge =	.19 cfs
Time to Peak =	11.7000 hrs
HYG Volume =	.121 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.01	.01
3.7500	.01	.01	.01	.01	.01
4.0000	.01	.01	.01	.01	.01
4.2500	.01	.01	.01	.01	.01
4.5000	.01	.01	.01	.01	.01
4.7500	.01	.01	.01	.01	.01
5.0000	.01	.01	.01	.01	.01
5.2500	.01	.01	.01	.01	.01
5.5000	.01	.01	.01	.01	.01
5.7500	.01	.01	.01	.01	.01
6.0000	.01	.01	.01	.02	.02
6.2500	.02	.02	.02	.02	.02
6.5000	.02	.02	.02	.02	.02
6.7500	.02	.02	.02	.02	.02
7.0000	.02	.02	.02	.02	.02
7.2500	.02	.02	.02	.02	.02
7.5000	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.03	.03	.03	.03	.03
8.0000	.03	.03	.03	.03	.03
8.2500	.03	.03	.03	.03	.04
8.5000	.04	.04	.04	.04	.04
8.7500	.04	.04	.04	.04	.04
9.0000	.05	.05	.05	.05	.05
9.2500	.05	.05	.05	.05	.05
9.5000	.05	.06	.06	.06	.06
9.7500	.06	.06	.06	.06	.06
10.0000	.07	.07	.07	.07	.07
10.2500	.07	.07	.07	.08	.08
10.5000	.08	.08	.08	.08	.09
10.7500	.09	.09	.09	.09	.10
11.0000	.10	.10	.10	.11	.11
11.2500	.11	.12	.12	.13	.13
11.5000	.14	.15	.16	.18	.19
11.7500	.19	.19	.19	.19	.19
12.0000	.19	.19	.19	.19	.19
12.2500	.19	.19	.19	.19	.19
12.5000	.19	.19	.19	.19	.19
12.7500	.19	.19	.19	.19	.19
13.0000	.19	.19	.19	.19	.19
13.2500	.19	.19	.19	.19	.19
13.5000	.19	.19	.19	.19	.19
13.7500	.19	.19	.19	.19	.19
14.0000	.19	.19	.19	.19	.19
14.2500	.19	.19	.19	.19	.19
14.5000	.19	.19	.19	.19	.19
14.7500	.19	.19	.19	.19	.19
15.0000	.19	.19	.19	.19	.19
15.2500	.19	.19	.19	.19	.19
15.5000	.19	.19	.19	.19	.19
15.7500	.19	.19	.19	.19	.19
16.0000	.19	.19	.19	.19	.19
16.2500	.19	.19	.18	.16	.14
16.5000	.13	.12	.11	.10	.09
16.7500	.08	.08	.07	.07	.06
17.0000	.06	.06	.05	.05	.05
17.2500	.05	.04	.04	.04	.04
17.5000	.04	.04	.04	.04	.04
17.7500	.03	.03	.03	.03	.03
18.0000	.03	.03	.03	.03	.03
18.2500	.03	.03	.03	.03	.03
18.5000	.03	.03	.03	.03	.03
18.7500	.03	.03	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.03	.03	.03	.03	.03
19.2500	.03	.03	.02	.02	.02
19.5000	.02	.02	.02	.02	.02
19.7500	.02	.02	.02	.02	.02
20.0000	.02	.02	.02	.02	.02
20.2500	.02	.02	.02	.02	.02
20.5000	.02	.02	.02	.02	.02
20.7500	.02	.02	.02	.02	.02
21.0000	.02	.02	.02	.02	.02
21.2500	.02	.02	.02	.02	.02
21.5000	.02	.02	.02	.02	.02
21.7500	.02	.02	.02	.02	.02
22.0000	.02	.02	.02	.02	.02
22.2500	.02	.02	.02	.02	.02
22.5000	.02	.02	.02	.02	.02
22.7500	.02	.02	.02	.02	.02
23.0000	.02	.02	.02	.02	.02
23.2500	.02	.02	.02	.02	.02
23.5000	.02	.02	.02	.02	.02
23.7500	.02	.02	.02	.02	.02
24.0000	.02				

ICPM HYDROGRAPH...
HYG file =
HYG ID = SECTION 4 OUT
HYG Tag = 50

Peak Discharge = 5.54 cfs
Time to Peak = 12.2000 hrs
HYG Volume = .142 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	.00	.00	.00	.00	.00
.2500	.00	.00	.00	.00	.00
.5000	.00	.00	.00	.00	.00
.7500	.00	.00	.00	.00	.00
1.0000	.00	.00	.00	.00	.00
1.2500	.00	.00	.00	.00	.00
1.5000	.00	.00	.00	.00	.00
1.7500	.00	.00	.00	.00	.00
2.0000	.00	.00	.00	.00	.00
2.2500	.00	.00	.00	.00	.00
2.5000	.00	.00	.00	.00	.00
2.7500	.00	.00	.00	.00	.00
3.0000	.00	.00	.00	.00	.00
3.2500	.00	.00	.00	.00	.00
3.5000	.00	.00	.00	.00	.00
3.7500	.00	.00	.00	.00	.00
4.0000	.00	.00	.00	.00	.00
4.2500	.00	.00	.00	.00	.00
4.5000	.00	.00	.00	.00	.00
4.7500	.00	.00	.00	.00	.00
5.0000	.00	.00	.00	.00	.00
5.2500	.00	.00	.00	.00	.00
5.5000	.00	.00	.00	.00	.00
5.7500	.00	.00	.00	.00	.00
6.0000	.00	.00	.00	.00	.00
6.2500	.00	.00	.00	.00	.00
6.5000	.00	.00	.00	.00	.00
6.7500	.00	.00	.00	.00	.00
7.0000	.00	.00	.00	.00	.00
7.2500	.00	.00	.00	.00	.00
7.5000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.00	.00	.00
9.2500	.00	.00	.00	.00	.00
9.5000	.00	.00	.00	.00	.00
9.7500	.00	.00	.00	.00	.00
10.0000	.00	.00	.00	.00	.00
10.2500	.00	.00	.00	.00	.00
10.5000	.00	.00	.00	.00	.00
10.7500	.00	.00	.00	.00	.00
11.0000	.00	.00	.00	.00	.00
11.2500	.00	.00	.00	.00	.00
11.5000	.00	.00	.00	.00	.00
11.7500	.00	.00	.00	.00	.00
12.0000	.00	.00	.00	1.77	5.54
12.2500	4.95	3.99	3.34	2.78	2.28
12.5000	1.83	1.55	1.26	.98	.77
12.7500	.64	.54	.46	.39	.33
13.0000	.27	.21	.16	.12	.08
13.2500	.07	.05	.04	.02	.01
13.5000	.00	.00	.00	.00	.00
13.7500	.00	.00	.00	.00	.00
14.0000	.00	.00	.00	.00	.00
14.2500	.00	.00	.00	.00	.00
14.5000	.00	.00	.00	.00	.00
14.7500	.00	.00	.00	.00	.00
15.0000	.00	.00	.00	.00	.00
15.2500	.00	.00	.00	.00	.00
15.5000	.00	.00	.00	.00	.00
15.7500	.00	.00	.00	.00	.00
16.0000	.00	.00	.00	.00	.00
16.2500	.00	.00	.00	.00	.00
16.5000	.00	.00	.00	.00	.00
16.7500	.00	.00	.00	.00	.00
17.0000	.00	.00	.00	.00	.00
17.2500	.00	.00	.00	.00	.00
17.5000	.00	.00	.00	.00	.00
17.7500	.00	.00	.00	.00	.00
18.0000	.00	.00	.00	.00	.00
18.2500	.00	.00	.00	.00	.00
18.5000	.00	.00	.00	.00	.00
18.7500	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
19.0000	.00	.00	.00	.00	.00
19.2500	.00	.00	.00	.00	.00
19.5000	.00	.00	.00	.00	.00
19.7500	.00	.00	.00	.00	.00
20.0000	.00	.00	.00	.00	.00
20.2500	.00	.00	.00	.00	.00
20.5000	.00	.00	.00	.00	.00
20.7500	.00	.00	.00	.00	.00
21.0000	.00	.00	.00	.00	.00
21.2500	.00	.00	.00	.00	.00
21.5000	.00	.00	.00	.00	.00
21.7500	.00	.00	.00	.00	.00
22.0000	.00	.00	.00	.00	.00
22.2500	.00	.00	.00	.00	.00
22.5000	.00	.00	.00	.00	.00
22.7500	.00	.00	.00	.00	.00
23.0000	.00	.00	.00	.00	.00
23.2500	.00	.00	.00	.00	.00
23.5000	.00	.00	.00	.00	.00
23.7500	.00	.00	.00	.00	.00
24.0000	.00				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	8.16	8.16	8.16	8.16	8.16
.2500	8.16	8.16	8.16	8.16	8.16
.5000	8.16	8.16	8.16	8.16	8.16
.7500	8.16	8.16	8.16	8.16	8.16
1.0000	8.16	8.16	8.16	8.16	8.16
1.2500	8.16	8.16	8.16	8.16	8.16
1.5000	8.16	8.16	8.16	8.16	8.16
1.7500	8.16	8.16	8.16	8.16	8.16
2.0000	8.16	8.16	8.16	8.16	8.16
2.2500	8.16	8.16	8.16	8.16	8.16
2.5000	8.16	8.16	8.16	8.16	8.16
2.7500	8.16	8.16	8.16	8.16	8.16
3.0000	8.16	8.16	8.16	8.16	8.16
3.2500	8.16	8.16	8.16	8.16	8.16
3.5000	8.16	8.16	8.16	8.16	8.16
3.7500	8.16	8.16	8.16	8.16	8.16
4.0000	8.16	8.16	8.16	8.16	8.16
4.2500	8.16	8.16	8.16	8.16	8.16
4.5000	8.16	8.16	8.16	8.16	8.16
4.7500	8.16	8.16	8.16	8.16	8.16
5.0000	8.16	8.16	8.16	8.16	8.16
5.2500	8.16	8.16	8.16	8.16	8.16
5.5000	8.16	8.16	8.16	8.17	8.17
5.7500	8.17	8.17	8.17	8.17	8.17
6.0000	8.17	8.17	8.17	8.17	8.17
6.2500	8.17	8.17	8.17	8.17	8.17
6.5000	8.17	8.17	8.17	8.17	8.17
6.7500	8.17	8.17	8.17	8.17	8.17
7.0000	8.17	8.17	8.17	8.17	8.17
7.2500	8.17	8.17	8.17	8.17	8.17
7.5000	8.17	8.17	8.17	8.17	8.17
7.7500	8.17	8.17	8.17	8.17	8.17
8.0000	8.17	8.17	8.17	8.18	8.18
8.2500	8.18	8.18	8.18	8.18	8.18
8.5000	8.18	8.18	8.18	8.18	8.18
8.7500	8.18	8.18	8.18	8.18	8.18
9.0000	8.18	8.18	8.18	8.18	8.19
9.2500	8.19	8.19	8.19	8.19	8.19
9.5000	8.19	8.19	8.19	8.19	8.19
9.7500	8.19	8.19	8.19	8.19	8.19
10.0000	8.19	8.20	8.20	8.20	8.20
10.2500	8.20	8.20	8.20	8.20	8.20
10.5000	8.20	8.20	8.21	8.21	8.21

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	8.21	8.21	8.21	8.21	8.21
11.0000	8.22	8.22	8.22	8.22	8.22
11.2500	8.23	8.23	8.24	8.25	8.26
11.5000	8.26	8.28	8.30	8.32	8.36
11.7500	8.40	8.46	8.52	8.60	8.71
12.0000	8.86	9.04	9.23	9.37	9.37
12.2500	9.37	9.37	9.36	9.36	9.36
12.5000	9.35	9.34	9.34	9.34	9.34
12.7500	9.34	9.34	9.33	9.33	9.33
13.0000	9.33	9.33	9.33	9.33	9.33
13.2500	9.33	9.33	9.33	9.33	9.33
13.5000	9.33	9.33	9.33	9.33	9.33
13.7500	9.33	9.33	9.33	9.32	9.32
14.0000	9.32	9.32	9.31	9.31	9.31
14.2500	9.30	9.30	9.30	9.29	9.29
14.5000	9.28	9.28	9.28	9.27	9.27
14.7500	9.26	9.26	9.25	9.24	9.24
15.0000	9.23	9.23	9.22	9.22	9.21
15.2500	9.20	9.20	9.19	9.18	9.18
15.5000	9.17	9.16	9.15	9.15	9.14
15.7500	9.13	9.12	9.11	9.11	9.10
16.0000	9.09	9.08	9.07	9.06	9.05
16.2500	9.04	9.04	9.03	9.02	9.01
16.5000	9.00	8.99	8.98	8.97	8.96
16.7500	8.95	8.94	8.93	8.92	8.91
17.0000	8.90	8.89	8.88	8.87	8.86
17.2500	8.85	8.84	8.83	8.82	8.81
17.5000	8.80	8.79	8.77	8.76	8.75
17.7500	8.74	8.73	8.72	8.71	8.70
18.0000	8.69	8.67	8.66	8.65	8.64
18.2500	8.63	8.62	8.60	8.59	8.58
18.5000	8.57	8.56	8.55	8.53	8.52
18.7500	8.51	8.50	8.49	8.48	8.46
19.0000	8.45	8.44	8.43	8.42	8.40
19.2500	8.39	8.38	8.37	8.36	8.34
19.5000	8.33	8.32	8.31	8.30	8.28
19.7500	8.27	8.26	8.25	8.24	8.22
20.0000	8.21	8.20	8.20	8.19	8.19
20.2500	8.18	8.18	8.18	8.18	8.18
20.5000	8.18	8.18	8.17	8.17	8.17
20.7500	8.17	8.17	8.17	8.17	8.17
21.0000	8.17	8.17	8.17	8.17	8.17
21.2500	8.17	8.17	8.17	8.17	8.17
21.5000	8.17	8.17	8.17	8.17	8.17

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	8.17	8.17	8.17	8.17	8.17
22.0000	8.17	8.17	8.17	8.17	8.17
22.2500	8.17	8.17	8.17	8.17	8.17
22.5000	8.17	8.17	8.17	8.17	8.17
22.7500	8.17	8.17	8.17	8.17	8.17
23.0000	8.17	8.17	8.17	8.17	8.17
23.2500	8.17	8.17	8.17	8.17	8.17
23.5000	8.17	8.17	8.17	8.17	8.17
23.7500	8.17	8.17	8.17	8.17	8.17
24.0000	8.17				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	8.16	8.16	8.16	8.16	8.16
.2500	8.16	8.16	8.16	8.16	8.16
.5000	8.16	8.16	8.16	8.16	8.16
.7500	8.16	8.16	8.16	8.16	8.16
1.0000	8.16	8.16	8.16	8.16	8.16
1.2500	8.16	8.16	8.16	8.16	8.16
1.5000	8.16	8.16	8.16	8.16	8.16
1.7500	8.16	8.16	8.16	8.16	8.16
2.0000	8.16	8.16	8.16	8.16	8.16
2.2500	8.16	8.16	8.16	8.16	8.16
2.5000	8.16	8.16	8.16	8.16	8.16
2.7500	8.16	8.16	8.16	8.16	8.16
3.0000	8.16	8.16	8.16	8.16	8.16
3.2500	8.16	8.16	8.16	8.16	8.16
3.5000	8.16	8.16	8.16	8.16	8.16
3.7500	8.16	8.16	8.16	8.16	8.16
4.0000	8.16	8.16	8.16	8.16	8.17
4.2500	8.17	8.17	8.17	8.17	8.17
4.5000	8.17	8.17	8.17	8.17	8.17
4.7500	8.17	8.17	8.17	8.17	8.17
5.0000	8.17	8.17	8.17	8.17	8.17
5.2500	8.17	8.17	8.17	8.17	8.17
5.5000	8.17	8.17	8.17	8.17	8.17
5.7500	8.17	8.17	8.17	8.17	8.17
6.0000	8.17	8.17	8.17	8.17	8.17
6.2500	8.17	8.17	8.17	8.17	8.17
6.5000	8.17	8.17	8.17	8.17	8.17
6.7500	8.17	8.17	8.18	8.18	8.18
7.0000	8.18	8.18	8.18	8.18	8.18
7.2500	8.18	8.18	8.18	8.18	8.18
7.5000	8.18	8.18	8.18	8.18	8.18
7.7500	8.18	8.18	8.18	8.18	8.18
8.0000	8.18	8.18	8.18	8.18	8.18
8.2500	8.19	8.19	8.19	8.19	8.19
8.5000	8.19	8.19	8.19	8.19	8.19
8.7500	8.19	8.19	8.19	8.19	8.19
9.0000	8.20	8.20	8.20	8.20	8.20
9.2500	8.20	8.20	8.20	8.20	8.20
9.5000	8.20	8.20	8.21	8.21	8.21
9.7500	8.21	8.21	8.21	8.21	8.21
10.0000	8.21	8.21	8.21	8.21	8.22
10.2500	8.22	8.22	8.22	8.22	8.22
10.5000	8.23	8.23	8.23	8.24	8.24

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	8.24	8.25	8.25	8.26	8.27
11.0000	8.27	8.28	8.29	8.30	8.31
11.2500	8.32	8.34	8.35	8.37	8.39
11.5000	8.41	8.43	8.46	8.50	8.56
11.7500	8.63	8.71	8.81	8.93	9.08
12.0000	9.29	9.40	9.41	9.40	9.39
12.2500	9.38	9.37	9.37	9.37	9.36
12.5000	9.36	9.35	9.35	9.34	9.34
12.7500	9.34	9.34	9.34	9.34	9.34
13.0000	9.34	9.34	9.34	9.34	9.33
13.2500	9.33	9.33	9.33	9.33	9.33
13.5000	9.33	9.33	9.33	9.33	9.33
13.7500	9.33	9.33	9.33	9.33	9.33
14.0000	9.33	9.33	9.33	9.33	9.33
14.2500	9.33	9.33	9.33	9.33	9.33
14.5000	9.33	9.33	9.33	9.33	9.33
14.7500	9.33	9.32	9.32	9.32	9.32
15.0000	9.32	9.31	9.31	9.31	9.31
15.2500	9.30	9.30	9.30	9.29	9.29
15.5000	9.28	9.28	9.28	9.27	9.27
15.7500	9.26	9.26	9.25	9.24	9.24
16.0000	9.23	9.23	9.22	9.21	9.21
16.2500	9.20	9.19	9.19	9.18	9.17
16.5000	9.16	9.16	9.15	9.14	9.13
16.7500	9.13	9.12	9.11	9.10	9.09
17.0000	9.09	9.08	9.07	9.06	9.05
17.2500	9.04	9.04	9.03	9.02	9.01
17.5000	9.00	8.99	8.98	8.97	8.96
17.7500	8.95	8.94	8.94	8.93	8.92
18.0000	8.91	8.90	8.89	8.88	8.87
18.2500	8.86	8.85	8.84	8.83	8.82
18.5000	8.80	8.79	8.78	8.77	8.76
18.7500	8.75	8.74	8.73	8.72	8.71
19.0000	8.70	8.69	8.68	8.67	8.66
19.2500	8.65	8.64	8.63	8.62	8.61
19.5000	8.59	8.58	8.57	8.56	8.55
19.7500	8.54	8.53	8.52	8.51	8.50
20.0000	8.49	8.47	8.46	8.45	8.44
20.2500	8.43	8.42	8.41	8.40	8.39
20.5000	8.37	8.36	8.35	8.34	8.33
20.7500	8.32	8.31	8.29	8.28	8.27
21.0000	8.26	8.25	8.24	8.23	8.22
21.2500	8.21	8.20	8.19	8.19	8.19
21.5000	8.18	8.18	8.18	8.18	8.18

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	8.18	8.18	8.18	8.18	8.18
22.0000	8.18	8.18	8.18	8.18	8.17
22.2500	8.17	8.17	8.17	8.17	8.17
22.5000	8.17	8.17	8.17	8.17	8.17
22.7500	8.17	8.17	8.17	8.17	8.17
23.0000	8.17	8.17	8.17	8.17	8.17
23.2500	8.17	8.17	8.17	8.17	8.17
23.5000	8.17	8.17	8.17	8.17	8.17
23.7500	8.17	8.17	8.17	8.17	8.17
24.0000	8.17				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	7.52	7.52	7.52	7.52	7.52
.2500	7.52	7.52	7.52	7.52	7.52
.5000	7.52	7.52	7.52	7.52	7.52
.7500	7.52	7.52	7.52	7.52	7.52
1.0000	7.52	7.52	7.52	7.52	7.52
1.2500	7.52	7.52	7.52	7.52	7.52
1.5000	7.52	7.52	7.52	7.52	7.52
1.7500	7.52	7.52	7.52	7.52	7.52
2.0000	7.52	7.52	7.52	7.52	7.52
2.2500	7.52	7.52	7.52	7.52	7.52
2.5000	7.52	7.52	7.52	7.52	7.52
2.7500	7.52	7.52	7.52	7.52	7.52
3.0000	7.52	7.52	7.52	7.52	7.52
3.2500	7.52	7.52	7.52	7.52	7.52
3.5000	7.52	7.52	7.52	7.52	7.52
3.7500	7.52	7.52	7.52	7.52	7.52
4.0000	7.52	7.52	7.52	7.52	7.52
4.2500	7.52	7.52	7.52	7.52	7.52
4.5000	7.52	7.52	7.52	7.52	7.52
4.7500	7.52	7.52	7.52	7.52	7.52
5.0000	7.52	7.52	7.52	7.52	7.52
5.2500	7.52	7.52	7.52	7.53	7.53
5.5000	7.53	7.53	7.53	7.53	7.53
5.7500	7.53	7.53	7.53	7.53	7.53
6.0000	7.53	7.53	7.53	7.53	7.53
6.2500	7.53	7.53	7.53	7.53	7.53
6.5000	7.53	7.53	7.53	7.53	7.53
6.7500	7.53	7.53	7.53	7.53	7.53
7.0000	7.53	7.53	7.53	7.53	7.53
7.2500	7.53	7.53	7.53	7.53	7.53
7.5000	7.53	7.53	7.53	7.53	7.53
7.7500	7.53	7.53	7.53	7.53	7.53
8.0000	7.53	7.53	7.53	7.53	7.53
8.2500	7.53	7.53	7.53	7.53	7.53
8.5000	7.53	7.53	7.53	7.53	7.54
8.7500	7.54	7.54	7.54	7.54	7.54
9.0000	7.54	7.54	7.54	7.54	7.54
9.2500	7.54	7.54	7.54	7.54	7.54
9.5000	7.54	7.54	7.54	7.54	7.54
9.7500	7.54	7.54	7.54	7.54	7.54
10.0000	7.54	7.54	7.54	7.55	7.55
10.2500	7.55	7.55	7.55	7.55	7.55
10.5000	7.55	7.55	7.55	7.55	7.55

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	7.55	7.55	7.55	7.55	7.56
11.0000	7.56	7.56	7.56	7.56	7.56
11.2500	7.56	7.56	7.57	7.57	7.57
11.5000	7.57	7.58	7.58	7.59	7.60
11.7500	7.61	7.63	7.65	7.68	7.72
12.0000	7.78	7.86	7.94	8.05	8.29
12.2500	8.46	8.47	8.46	8.46	8.46
12.5000	8.45	8.45	8.45	8.44	8.44
12.7500	8.44	8.44	8.44	8.44	8.44
13.0000	8.44	8.44	8.44	8.44	8.43
13.2500	8.43	8.43	8.42	8.41	8.41
13.5000	8.40	8.39	8.39	8.38	8.37
13.7500	8.36	8.35	8.34	8.33	8.32
14.0000	8.31	8.30	8.29	8.28	8.27
14.2500	8.26	8.25	8.24	8.23	8.22
14.5000	8.21	8.20	8.19	8.18	8.17
14.7500	8.16	8.15	8.14	8.12	8.11
15.0000	8.10	8.09	8.08	8.07	8.06
15.2500	8.05	8.03	8.02	8.01	8.00
15.5000	7.99	7.97	7.96	7.95	7.94
15.7500	7.93	7.91	7.90	7.89	7.88
16.0000	7.87	7.85	7.84	7.83	7.81
16.2500	7.80	7.79	7.78	7.76	7.75
16.5000	7.74	7.73	7.71	7.70	7.69
16.7500	7.67	7.66	7.65	7.63	7.62
17.0000	7.61	7.60	7.58	7.58	7.57
17.2500	7.56	7.56	7.55	7.55	7.55
17.5000	7.54	7.54	7.54	7.54	7.54
17.7500	7.54	7.53	7.53	7.53	7.53
18.0000	7.53	7.53	7.53	7.53	7.53
18.2500	7.53	7.53	7.53	7.53	7.53
18.5000	7.53	7.53	7.53	7.53	7.53
18.7500	7.53	7.53	7.53	7.53	7.53
19.0000	7.53	7.53	7.53	7.53	7.53
19.2500	7.53	7.53	7.53	7.53	7.53
19.5000	7.53	7.53	7.53	7.53	7.53
19.7500	7.53	7.53	7.53	7.53	7.53
20.0000	7.53	7.53	7.53	7.53	7.53
20.2500	7.53	7.53	7.53	7.53	7.53
20.5000	7.53	7.53	7.53	7.53	7.53
20.7500	7.53	7.53	7.53	7.53	7.53
21.0000	7.53	7.53	7.53	7.53	7.53
21.2500	7.53	7.53	7.53	7.53	7.53
21.5000	7.53	7.53	7.53	7.53	7.53

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	7.53	7.53	7.53	7.53	7.53
22.0000	7.53	7.53	7.53	7.53	7.53
22.2500	7.53	7.53	7.53	7.53	7.53
22.5000	7.53	7.53	7.53	7.53	7.53
22.7500	7.53	7.53	7.53	7.53	7.53
23.0000	7.53	7.53	7.53	7.53	7.53
23.2500	7.53	7.53	7.53	7.53	7.53
23.5000	7.53	7.53	7.53	7.53	7.53
23.7500	7.53	7.53	7.53	7.53	7.53
24.0000	7.53				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	7.52	7.52	7.52	7.52	7.52
.2500	7.52	7.52	7.52	7.52	7.52
.5000	7.52	7.52	7.52	7.52	7.52
.7500	7.52	7.52	7.52	7.52	7.52
1.0000	7.52	7.52	7.52	7.52	7.52
1.2500	7.52	7.52	7.52	7.52	7.52
1.5000	7.52	7.52	7.52	7.52	7.52
1.7500	7.52	7.52	7.52	7.52	7.52
2.0000	7.52	7.52	7.52	7.52	7.52
2.2500	7.52	7.52	7.52	7.52	7.52
2.5000	7.52	7.52	7.52	7.52	7.52
2.7500	7.52	7.52	7.52	7.52	7.52
3.0000	7.52	7.52	7.52	7.52	7.52
3.2500	7.52	7.52	7.52	7.52	7.52
3.5000	7.52	7.52	7.52	7.52	7.52
3.7500	7.52	7.52	7.53	7.53	7.53
4.0000	7.53	7.53	7.53	7.53	7.53
4.2500	7.53	7.53	7.53	7.53	7.53
4.5000	7.53	7.53	7.53	7.53	7.53
4.7500	7.53	7.53	7.53	7.53	7.53
5.0000	7.53	7.53	7.53	7.53	7.53
5.2500	7.53	7.53	7.53	7.53	7.53
5.5000	7.53	7.53	7.53	7.53	7.53
5.7500	7.53	7.53	7.53	7.53	7.53
6.0000	7.53	7.53	7.53	7.53	7.53
6.2500	7.53	7.53	7.53	7.53	7.53
6.5000	7.53	7.53	7.53	7.53	7.53
6.7500	7.53	7.53	7.53	7.53	7.53
7.0000	7.53	7.53	7.53	7.53	7.53
7.2500	7.53	7.53	7.53	7.53	7.53
7.5000	7.53	7.53	7.53	7.54	7.54
7.7500	7.54	7.54	7.54	7.54	7.54
8.0000	7.54	7.54	7.54	7.54	7.54
8.2500	7.54	7.54	7.54	7.54	7.54
8.5000	7.54	7.54	7.54	7.54	7.54
8.7500	7.54	7.54	7.54	7.54	7.54
9.0000	7.54	7.54	7.55	7.55	7.55
9.2500	7.55	7.55	7.55	7.55	7.55
9.5000	7.55	7.55	7.55	7.55	7.55
9.7500	7.55	7.55	7.55	7.55	7.55
10.0000	7.55	7.55	7.55	7.56	7.56
10.2500	7.56	7.56	7.56	7.56	7.56
10.5000	7.56	7.56	7.56	7.56	7.56

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	7.57	7.57	7.57	7.57	7.57
11.0000	7.57	7.57	7.57	7.57	7.58
11.2500	7.58	7.58	7.58	7.59	7.59
11.5000	7.59	7.60	7.60	7.61	7.63
11.7500	7.65	7.69	7.72	7.77	7.83
12.0000	7.92	8.20	8.51	8.52	8.50
12.2500	8.49	8.48	8.48	8.47	8.46
12.5000	8.46	8.45	8.45	8.45	8.45
12.7500	8.45	8.45	8.44	8.44	8.44
13.0000	8.44	8.44	8.44	8.44	8.44
13.2500	8.44	8.44	8.44	8.44	8.44
13.5000	8.44	8.44	8.44	8.44	8.44
13.7500	8.44	8.44	8.44	8.44	8.43
14.0000	8.43	8.43	8.42	8.41	8.41
14.2500	8.40	8.39	8.39	8.38	8.37
14.5000	8.36	8.35	8.34	8.34	8.33
14.7500	8.32	8.31	8.30	8.29	8.28
15.0000	8.27	8.26	8.25	8.24	8.23
15.2500	8.22	8.21	8.20	8.19	8.18
15.5000	8.17	8.16	8.15	8.14	8.13
15.7500	8.12	8.10	8.09	8.08	8.07
16.0000	8.06	8.05	8.04	8.02	8.01
16.2500	8.00	7.99	7.98	7.97	7.95
16.5000	7.94	7.93	7.92	7.91	7.89
16.7500	7.88	7.87	7.86	7.85	7.83
17.0000	7.82	7.81	7.80	7.78	7.77
17.2500	7.76	7.75	7.73	7.72	7.71
17.5000	7.70	7.68	7.67	7.66	7.65
17.7500	7.63	7.62	7.61	7.59	7.58
18.0000	7.58	7.57	7.56	7.56	7.55
18.2500	7.55	7.55	7.54	7.54	7.54
18.5000	7.54	7.54	7.54	7.54	7.54
18.7500	7.53	7.53	7.53	7.53	7.53
19.0000	7.53	7.53	7.53	7.53	7.53
19.2500	7.53	7.53	7.53	7.53	7.53
19.5000	7.53	7.53	7.53	7.53	7.53
19.7500	7.53	7.53	7.53	7.53	7.53
20.0000	7.53	7.53	7.53	7.53	7.53
20.2500	7.53	7.53	7.53	7.53	7.53
20.5000	7.53	7.53	7.53	7.53	7.53
20.7500	7.53	7.53	7.53	7.53	7.53
21.0000	7.53	7.53	7.53	7.53	7.53
21.2500	7.53	7.53	7.53	7.53	7.53
21.5000	7.53	7.53	7.53	7.53	7.53

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	7.53	7.53	7.53	7.53	7.53
22.0000	7.53	7.53	7.53	7.53	7.53
22.2500	7.53	7.53	7.53	7.53	7.53
22.5000	7.53	7.53	7.53	7.53	7.53
22.7500	7.53	7.53	7.53	7.53	7.53
23.0000	7.53	7.53	7.53	7.53	7.53
23.2500	7.53	7.53	7.53	7.53	7.53
23.5000	7.53	7.53	7.53	7.53	7.53
23.7500	7.53	7.53	7.53	7.53	7.53
24.0000	7.53				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	7.31	7.31	7.31	7.31	7.31
.2500	7.31	7.31	7.31	7.31	7.31
.5000	7.31	7.31	7.31	7.31	7.31
.7500	7.31	7.31	7.31	7.31	7.31
1.0000	7.31	7.31	7.31	7.31	7.31
1.2500	7.31	7.31	7.31	7.31	7.31
1.5000	7.31	7.31	7.31	7.31	7.31
1.7500	7.31	7.31	7.31	7.31	7.31
2.0000	7.31	7.31	7.31	7.31	7.31
2.2500	7.31	7.31	7.31	7.31	7.31
2.5000	7.31	7.31	7.31	7.31	7.31
2.7500	7.31	7.31	7.31	7.31	7.31
3.0000	7.31	7.31	7.31	7.31	7.31
3.2500	7.31	7.31	7.31	7.31	7.31
3.5000	7.31	7.31	7.31	7.31	7.31
3.7500	7.31	7.31	7.31	7.31	7.31
4.0000	7.31	7.31	7.31	7.31	7.31
4.2500	7.31	7.31	7.31	7.31	7.31
4.5000	7.31	7.31	7.31	7.31	7.31
4.7500	7.31	7.31	7.31	7.31	7.31
5.0000	7.31	7.31	7.31	7.31	7.31
5.2500	7.31	7.31	7.31	7.31	7.31
5.5000	7.31	7.31	7.31	7.31	7.31
5.7500	7.31	7.31	7.31	7.31	7.31
6.0000	7.31	7.31	7.31	7.31	7.31
6.2500	7.32	7.32	7.32	7.32	7.32
6.5000	7.32	7.32	7.32	7.32	7.32
6.7500	7.32	7.32	7.32	7.32	7.32
7.0000	7.32	7.32	7.32	7.32	7.32
7.2500	7.32	7.32	7.32	7.32	7.32
7.5000	7.32	7.32	7.32	7.32	7.32
7.7500	7.32	7.32	7.32	7.32	7.32
8.0000	7.32	7.32	7.32	7.32	7.32
8.2500	7.32	7.32	7.32	7.32	7.32
8.5000	7.32	7.32	7.32	7.32	7.32
8.7500	7.32	7.32	7.32	7.32	7.32
9.0000	7.32	7.32	7.32	7.32	7.32
9.2500	7.33	7.33	7.33	7.33	7.33
9.5000	7.33	7.33	7.33	7.33	7.33
9.7500	7.33	7.33	7.33	7.33	7.33
10.0000	7.33	7.33	7.33	7.33	7.33
10.2500	7.33	7.33	7.33	7.33	7.33
10.5000	7.33	7.33	7.33	7.34	7.34

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	7.34	7.34	7.34	7.34	7.34
11.0000	7.34	7.34	7.34	7.34	7.34
11.2500	7.34	7.35	7.35	7.35	7.35
11.5000	7.35	7.36	7.36	7.37	7.38
11.7500	7.40	7.43	7.47	7.50	7.56
12.0000	7.64	7.74	7.84	7.94	8.00
12.2500	8.07	8.21	8.22	8.22	8.22
12.5000	8.21	8.21	8.20	8.20	8.20
12.7500	8.20	8.19	8.19	8.19	8.19
13.0000	8.19	8.19	8.18	8.18	8.17
13.2500	8.17	8.16	8.15	8.15	8.14
13.5000	8.14	8.13	8.12	8.12	8.11
13.7500	8.10	8.09	8.09	8.08	8.07
14.0000	8.06	8.05	8.04	8.04	8.03
14.2500	8.02	8.01	8.00	7.99	7.98
14.5000	7.97	7.96	7.95	7.94	7.94
14.7500	7.93	7.92	7.91	7.90	7.89
15.0000	7.88	7.87	7.86	7.85	7.84
15.2500	7.82	7.81	7.80	7.79	7.78
15.5000	7.77	7.76	7.75	7.74	7.73
15.7500	7.72	7.70	7.69	7.68	7.67
16.0000	7.66	7.65	7.63	7.62	7.61
16.2500	7.60	7.59	7.57	7.56	7.55
16.5000	7.54	7.53	7.51	7.50	7.49
16.7500	7.48	7.46	7.45	7.44	7.43
17.0000	7.41	7.40	7.39	7.38	7.36
17.2500	7.35	7.34	7.34	7.33	7.33
17.5000	7.33	7.32	7.32	7.32	7.32
17.7500	7.32	7.32	7.32	7.32	7.32
18.0000	7.32	7.32	7.32	7.32	7.32
18.2500	7.32	7.32	7.32	7.32	7.32
18.5000	7.32	7.32	7.32	7.32	7.32
18.7500	7.32	7.32	7.32	7.32	7.32
19.0000	7.32	7.32	7.32	7.32	7.32
19.2500	7.32	7.32	7.32	7.32	7.32
19.5000	7.32	7.32	7.32	7.32	7.32
19.7500	7.32	7.32	7.32	7.32	7.32
20.0000	7.32	7.32	7.32	7.32	7.32
20.2500	7.32	7.32	7.32	7.32	7.32
20.5000	7.32	7.32	7.32	7.32	7.32
20.7500	7.32	7.32	7.32	7.32	7.32
21.0000	7.32	7.32	7.32	7.32	7.32
21.2500	7.32	7.32	7.32	7.32	7.32
21.5000	7.32	7.32	7.32	7.32	7.32

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	7.32	7.32	7.32	7.32	7.32
22.0000	7.32	7.32	7.32	7.32	7.32
22.2500	7.31	7.31	7.31	7.31	7.31
22.5000	7.31	7.31	7.31	7.31	7.31
22.7500	7.31	7.31	7.31	7.31	7.31
23.0000	7.31	7.31	7.31	7.31	7.31
23.2500	7.31	7.31	7.31	7.31	7.31
23.5000	7.31	7.31	7.31	7.31	7.31
23.7500	7.31	7.31	7.31	7.31	7.31
24.0000	7.31				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
.0000	7.31	7.31	7.31	7.31	7.31
.2500	7.31	7.31	7.31	7.31	7.31
.5000	7.31	7.31	7.31	7.31	7.31
.7500	7.31	7.31	7.31	7.31	7.31
1.0000	7.31	7.31	7.31	7.31	7.31
1.2500	7.31	7.31	7.31	7.31	7.31
1.5000	7.31	7.31	7.31	7.31	7.31
1.7500	7.31	7.31	7.31	7.31	7.31
2.0000	7.31	7.31	7.31	7.31	7.31
2.2500	7.31	7.31	7.31	7.31	7.31
2.5000	7.31	7.31	7.31	7.31	7.31
2.7500	7.31	7.31	7.31	7.31	7.31
3.0000	7.31	7.31	7.31	7.31	7.31
3.2500	7.31	7.31	7.31	7.31	7.31
3.5000	7.31	7.31	7.31	7.31	7.31
3.7500	7.31	7.31	7.31	7.31	7.31
4.0000	7.31	7.31	7.31	7.31	7.31
4.2500	7.31	7.31	7.31	7.31	7.32
4.5000	7.32	7.32	7.32	7.32	7.32
4.7500	7.32	7.32	7.32	7.32	7.32
5.0000	7.32	7.32	7.32	7.32	7.32
5.2500	7.32	7.32	7.32	7.32	7.32
5.5000	7.32	7.32	7.32	7.32	7.32
5.7500	7.32	7.32	7.32	7.32	7.32
6.0000	7.32	7.32	7.32	7.32	7.32
6.2500	7.32	7.32	7.32	7.32	7.32
6.5000	7.32	7.32	7.32	7.32	7.32
6.7500	7.32	7.32	7.32	7.32	7.32
7.0000	7.32	7.32	7.32	7.32	7.32
7.2500	7.32	7.32	7.32	7.32	7.32
7.5000	7.32	7.32	7.32	7.32	7.32
7.7500	7.32	7.32	7.32	7.32	7.32
8.0000	7.32	7.32	7.32	7.32	7.32
8.2500	7.32	7.32	7.33	7.33	7.33
8.5000	7.33	7.33	7.33	7.33	7.33
8.7500	7.33	7.33	7.33	7.33	7.33
9.0000	7.33	7.33	7.33	7.33	7.33
9.2500	7.33	7.33	7.33	7.33	7.33
9.5000	7.33	7.33	7.33	7.33	7.33
9.7500	7.34	7.34	7.34	7.34	7.34
10.0000	7.34	7.34	7.34	7.34	7.34
10.2500	7.34	7.34	7.34	7.34	7.34
10.5000	7.34	7.34	7.34	7.35	7.35

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
21.7500	7.32	7.32	7.32	7.32	7.32
22.0000	7.32	7.32	7.32	7.32	7.32
22.2500	7.32	7.32	7.32	7.32	7.32
22.5000	7.32	7.32	7.32	7.32	7.32
22.7500	7.32	7.32	7.32	7.32	7.32
23.0000	7.32	7.32	7.32	7.32	7.32
23.2500	7.32	7.32	7.32	7.32	7.32
23.5000	7.32	7.32	7.32	7.32	7.32
23.7500	7.32	7.32	7.32	7.32	7.32
24.0000	7.32				

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
.0000	6.96	6.96	6.96	6.96	6.96
.2500	6.96	6.96	6.96	6.96	6.96
.5000	6.96	6.96	6.96	6.96	6.96
.7500	6.96	6.96	6.96	6.96	6.96
1.0000	6.96	6.96	6.96	6.96	6.96
1.2500	6.96	6.96	6.96	6.96	6.96
1.5000	6.96	6.96	6.96	6.96	6.96
1.7500	6.96	6.96	6.96	6.96	6.96
2.0000	6.96	6.96	6.96	6.96	6.96
2.2500	6.96	6.96	6.96	6.96	6.96
2.5000	6.96	6.96	6.96	6.96	6.96
2.7500	6.96	6.96	6.96	6.96	6.96
3.0000	6.96	6.96	6.96	6.96	6.96
3.2500	6.96	6.96	6.96	6.96	6.96
3.5000	6.96	6.96	6.96	6.96	6.96
3.7500	6.96	6.96	6.96	6.96	6.96
4.0000	6.96	6.96	6.96	6.96	6.96
4.2500	6.96	6.96	6.96	6.96	6.96
4.5000	6.96	6.96	6.96	6.96	6.96
4.7500	6.96	6.96	6.96	6.96	6.96
5.0000	6.96	6.96	6.96	6.96	6.96
5.2500	6.96	6.96	6.96	6.96	6.96
5.5000	6.96	6.96	6.96	6.96	6.96
5.7500	6.96	6.96	6.96	6.96	6.96
6.0000	6.96	6.96	6.96	6.96	6.96
6.2500	6.96	6.96	6.96	6.97	6.97
6.5000	6.97	6.97	6.97	6.97	6.97
6.7500	6.97	6.97	6.97	6.97	6.97
7.0000	6.97	6.97	6.97	6.97	6.97
7.2500	6.97	6.97	6.97	6.97	6.97
7.5000	6.97	6.97	6.97	6.97	6.97
7.7500	6.97	6.97	6.97	6.97	6.97
8.0000	6.97	6.97	6.97	6.97	6.97
8.2500	6.97	6.97	6.97	6.97	6.97
8.5000	6.97	6.97	6.97	6.97	6.97
8.7500	6.97	6.97	6.97	6.97	6.98
9.0000	6.98	6.98	6.98	6.98	6.98
9.2500	6.98	6.98	6.98	6.98	6.98
9.5000	6.98	6.98	6.98	6.98	6.98
9.7500	6.98	6.98	6.98	6.98	6.98
10.0000	6.98	6.98	6.98	6.98	6.98
10.2500	6.99	6.99	6.99	6.99	6.99
10.5000	6.99	6.99	6.99	6.99	6.99

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	6.99	6.99	6.99	6.99	7.00
11.0000	7.00	7.00	7.00	7.00	7.00
11.2500	7.00	7.00	7.01	7.01	7.01
11.5000	7.01	7.01	7.02	7.03	7.03
11.7500	7.05	7.06	7.08	7.10	7.13
12.0000	7.18	7.25	7.31	7.38	7.42
12.2500	7.45	7.48	7.63	7.74	7.79
12.5000	7.79	7.78	7.76	7.74	7.72
12.7500	7.70	7.69	7.67	7.66	7.66
13.0000	7.65	7.64	7.63	7.62	7.61
13.2500	7.60	7.59	7.58	7.58	7.57
13.5000	7.56	7.55	7.54	7.53	7.52
13.7500	7.51	7.50	7.49	7.48	7.47
14.0000	7.46	7.45	7.44	7.43	7.42
14.2500	7.41	7.40	7.38	7.37	7.36
14.5000	7.35	7.34	7.33	7.32	7.31
14.7500	7.29	7.28	7.27	7.26	7.25
15.0000	7.24	7.23	7.21	7.20	7.19
15.2500	7.18	7.17	7.15	7.14	7.13
15.5000	7.12	7.10	7.09	7.08	7.07
15.7500	7.05	7.04	7.04	7.03	7.02
16.0000	7.01	7.01	7.00	7.00	7.00
16.2500	6.99	6.99	6.99	6.99	6.99
16.5000	6.98	6.98	6.98	6.98	6.98
16.7500	6.98	6.98	6.98	6.98	6.98
17.0000	6.98	6.98	6.98	6.98	6.98
17.2500	6.98	6.97	6.97	6.97	6.97
17.5000	6.97	6.97	6.97	6.97	6.97
17.7500	6.97	6.97	6.97	6.97	6.97
18.0000	6.97	6.97	6.97	6.97	6.97
18.2500	6.97	6.97	6.97	6.97	6.97
18.5000	6.97	6.97	6.97	6.97	6.97
18.7500	6.97	6.97	6.97	6.97	6.97
19.0000	6.97	6.97	6.97	6.97	6.97
19.2500	6.97	6.97	6.97	6.97	6.97
19.5000	6.97	6.97	6.97	6.97	6.97
19.7500	6.97	6.97	6.97	6.97	6.97
20.0000	6.97	6.97	6.97	6.97	6.97
20.2500	6.97	6.97	6.97	6.97	6.97
20.5000	6.97	6.97	6.97	6.97	6.97
20.7500	6.97	6.97	6.97	6.97	6.97
21.0000	6.97	6.97	6.97	6.97	6.97
21.2500	6.97	6.97	6.97	6.97	6.97
21.5000	6.97	6.97	6.97	6.97	6.97

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
21.7500	6.97	6.97	6.97	6.97	6.97
22.0000	6.97	6.97	6.97	6.97	6.97
22.2500	6.97	6.97	6.97	6.97	6.97
22.5000	6.97	6.97	6.97	6.97	6.97
22.7500	6.97	6.97	6.97	6.97	6.97
23.0000	6.97	6.97	6.97	6.97	6.97
23.2500	6.97	6.97	6.97	6.97	6.97
23.5000	6.97	6.97	6.97	6.97	6.97
23.7500	6.97	6.97	6.97	6.97	6.97
24.0000	6.97				

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
.0000	6.96	6.96	6.96	6.96	6.96
.2500	6.96	6.96	6.96	6.96	6.96
.5000	6.96	6.96	6.96	6.96	6.96
.7500	6.96	6.96	6.96	6.96	6.96
1.0000	6.96	6.96	6.96	6.96	6.96
1.2500	6.96	6.96	6.96	6.96	6.96
1.5000	6.96	6.96	6.96	6.96	6.96
1.7500	6.96	6.96	6.96	6.96	6.96
2.0000	6.96	6.96	6.96	6.96	6.96
2.2500	6.96	6.96	6.96	6.96	6.96
2.5000	6.96	6.96	6.96	6.96	6.96
2.7500	6.96	6.96	6.96	6.96	6.96
3.0000	6.96	6.96	6.96	6.96	6.96
3.2500	6.96	6.96	6.96	6.96	6.96
3.5000	6.96	6.96	6.96	6.96	6.96
3.7500	6.96	6.96	6.96	6.96	6.96
4.0000	6.96	6.96	6.96	6.96	6.96
4.2500	6.96	6.96	6.96	6.96	6.96
4.5000	6.96	6.96	6.96	6.96	6.96
4.7500	6.96	6.96	6.97	6.97	6.97
5.0000	6.97	6.97	6.97	6.97	6.97
5.2500	6.97	6.97	6.97	6.97	6.97
5.5000	6.97	6.97	6.97	6.97	6.97
5.7500	6.97	6.97	6.97	6.97	6.97
6.0000	6.97	6.97	6.97	6.97	6.97
6.2500	6.97	6.97	6.97	6.97	6.97
6.5000	6.97	6.97	6.97	6.97	6.97
6.7500	6.97	6.97	6.97	6.97	6.97
7.0000	6.97	6.97	6.97	6.97	6.97
7.2500	6.97	6.97	6.97	6.97	6.97
7.5000	6.97	6.97	6.97	6.97	6.97
7.7500	6.97	6.97	6.97	6.97	6.98
8.0000	6.98	6.98	6.98	6.98	6.98
8.2500	6.98	6.98	6.98	6.98	6.98
8.5000	6.98	6.98	6.98	6.98	6.98
8.7500	6.98	6.98	6.98	6.98	6.98
9.0000	6.98	6.98	6.98	6.98	6.99
9.2500	6.99	6.99	6.99	6.99	6.99
9.5000	6.99	6.99	6.99	6.99	6.99
9.7500	6.99	6.99	6.99	6.99	6.99
10.0000	6.99	6.99	6.99	7.00	7.00
10.2500	7.00	7.00	7.00	7.00	7.00
10.5000	7.00	7.00	7.00	7.00	7.01

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
10.7500	7.01	7.01	7.01	7.01	7.01
11.0000	7.01	7.01	7.01	7.02	7.02
11.2500	7.02	7.02	7.02	7.03	7.03
11.5000	7.03	7.04	7.04	7.05	7.07
11.7500	7.08	7.11	7.14	7.18	7.23
12.0000	7.30	7.39	7.50	7.87	8.00
12.2500	7.98	7.96	7.93	7.91	7.90
12.5000	7.88	7.85	7.82	7.79	7.77
12.7500	7.75	7.73	7.72	7.71	7.70
13.0000	7.69	7.68	7.67	7.67	7.66
13.2500	7.66	7.65	7.64	7.64	7.63
13.5000	7.63	7.62	7.62	7.61	7.60
13.7500	7.59	7.58	7.58	7.57	7.56
14.0000	7.55	7.54	7.53	7.52	7.52
14.2500	7.51	7.50	7.49	7.48	7.47
14.5000	7.46	7.45	7.44	7.43	7.42
14.7500	7.41	7.40	7.39	7.38	7.37
15.0000	7.36	7.35	7.34	7.33	7.32
15.2500	7.31	7.30	7.29	7.28	7.26
15.5000	7.25	7.24	7.23	7.22	7.21
15.7500	7.20	7.19	7.17	7.16	7.15
16.0000	7.14	7.13	7.11	7.10	7.09
16.2500	7.08	7.07	7.05	7.04	7.04
16.5000	7.03	7.02	7.02	7.01	7.01
16.7500	7.00	7.00	7.00	6.99	6.99
17.0000	6.99	6.99	6.99	6.99	6.98
17.2500	6.98	6.98	6.98	6.98	6.98
17.5000	6.98	6.98	6.98	6.98	6.98
17.7500	6.98	6.98	6.98	6.98	6.98
18.0000	6.98	6.98	6.98	6.98	6.98
18.2500	6.98	6.98	6.97	6.97	6.97
18.5000	6.97	6.97	6.97	6.97	6.97
18.7500	6.97	6.97	6.97	6.97	6.97
19.0000	6.97	6.97	6.97	6.97	6.97
19.2500	6.97	6.97	6.97	6.97	6.97
19.5000	6.97	6.97	6.97	6.97	6.97
19.7500	6.97	6.97	6.97	6.97	6.97
20.0000	6.97	6.97	6.97	6.97	6.97
20.2500	6.97	6.97	6.97	6.97	6.97
20.5000	6.97	6.97	6.97	6.97	6.97
20.7500	6.97	6.97	6.97	6.97	6.97
21.0000	6.97	6.97	6.97	6.97	6.97
21.2500	6.97	6.97	6.97	6.97	6.97
21.5000	6.97	6.97	6.97	6.97	6.97

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
21.7500	6.97	6.97	6.97	6.97	6.97
22.0000	6.97	6.97	6.97	6.97	6.97
22.2500	6.97	6.97	6.97	6.97	6.97
22.5000	6.97	6.97	6.97	6.97	6.97
22.7500	6.97	6.97	6.97	6.97	6.97
23.0000	6.97	6.97	6.97	6.97	6.97
23.2500	6.97	6.97	6.97	6.97	6.97
23.5000	6.97	6.97	6.97	6.97	6.97
23.7500	6.97	6.97	6.97	6.97	6.97
24.0000	6.97				

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 1
HYG Tag = 10

Peak Discharge =	1.91 cfs
Time to Peak =	12.2000 hrs
HYG Volume =	.049 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.1000	.00	1.44	1.91	1.52	1.27
12.3500	1.07	.89	.76	.59	.44
12.6000	.33	.25	.21	.18	.16
12.8500	.14	.12	.11	.09	.07
13.1000	.06	.05	.04	.04	.03
13.3500	.03	.02	.02	.01	.01
13.6000	.00	.00	.00		

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 1
HYG Tag = 50

Peak Discharge =	4.17 cfs
Time to Peak =	12.1000 hrs
HYG Volume =	.119 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.0000	.00	3.48	4.17	3.76	2.84
12.2500	2.18	1.82	1.55	1.30	1.06
12.5000	.85	.68	.53	.43	.37
12.7500	.34	.31	.28	.26	.23
13.0000	.21	.18	.17	.15	.14
13.2500	.14	.13	.12	.12	.11
13.5000	.10	.10	.09	.08	.08
13.7500	.07	.06	.06	.05	.04
14.0000	.04	.03	.03	.02	.02
14.2500	.01	.01	.01	.00	.00
14.5000	.00	.00			

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 2
HYG Tag = 10

Peak Discharge = 1.57 cfs
Time to Peak = 12.3000 hrs
HYG Volume = .035 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.2000	.00	.95	1.57	1.36	1.13
12.4500	.93	.72	.53	.37	.25
12.7000	.19	.16	.13	.10	.08
12.9500	.05	.03	.01	.00	.00
13.2000	.00				

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 2
HYG Tag = 50

Peak Discharge =	4.88 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.120 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.0500	.00	3.95	4.88	3.85	2.93
12.3000	2.38	2.01	1.68	1.37	1.07
12.5500	.84	.64	.49	.40	.35
12.8000	.32	.28	.25	.22	.18
13.0500	.16	.13	.11	.10	.09
13.3000	.08	.07	.06	.05	.05
13.5500	.04	.03	.02	.01	.00
13.8000	.00	.00	.00		

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 3
HYG Tag = 10

Peak Discharge =	1.72 cfs
Time to Peak =	12.3500 hrs
HYG Volume =	.035 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.2500	.00	.90	1.72	1.46	1.19
12.5000	.92	.66	.49	.33	.23
12.7500	.17	.13	.10	.06	.03
13.0000	.00	.00	.00		

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 3
HYG Tag = 50

Peak Discharge =	6.00 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	.133 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.0500	.00	.45	6.00	5.15	3.91
12.3000	3.14	2.62	2.19	1.78	1.39
12.5500	1.07	.80	.60	.51	.43
12.8000	.38	.33	.29	.25	.20
13.0500	.16	.13	.10	.09	.07
13.3000	.06	.05	.04	.03	.02
13.5500	.00	.00	.00	.00	

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 4
HYG Tag = 10

Peak Discharge =	1.02 cfs
Time to Peak =	12.5000 hrs
HYG Volume =	.025 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.3500	.00	.57	.94	1.02	.90
12.6000	.73	.58	.45	.33	.24
12.8500	.17	.10	.07	.04	.02
13.1000	.00	.00	.00		

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 4
HYG Tag = 50

Peak Discharge =	5.54 cfs
Time to Peak =	12.2000 hrs
HYG Volume =	.142 ac-ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
12.1000	.00	1.77	5.54	4.95	3.99
12.3500	3.34	2.78	2.28	1.83	1.55
12.6000	1.26	.98	.77	.64	.54
12.8500	.46	.39	.33	.27	.21
13.1000	.16	.12	.08	.07	.05
13.3500	.04	.02	.01	.00	.00
13.6000	.00				

CB-1

Drainage Area = 4,056 sf ≈ 0.10 acres

Impervious Area – Parking = 3,149 sf
Sidewalk = 2 sf

Total = 3,151 sf

$$C_c = \frac{0.95(3,151) + 0.15(905)}{4,056} = 0.77$$

DI-1 (excludes drainage from Permeable Pavement System #1)

Drainage Area = 298 sf ≈ 0.01 acres
Impervious Area = 0

$$C_c = \frac{0.95(0) + 0.15(298)}{298} = 0.15$$

Flow from Perm. Pvt. Sys. #1

Q_{10yr} = 1.02 cfs

Q_{50yr} = 5.54 cfs

Existing DI (Parking Lot)

Drainage Area = 34,860 sf ≈ 0.80 acres

Impervious Area – Building = 9,027 sf
Parking = 11,320 sf
Sidewalk = 350 sf
Other = 2,110 sf
Off-site (assume 50% imp.) = 0.5 x 6,777 = 3,389 sf

Total = 26,196 sf

$$C_c = \frac{0.95(26,196) + 0.15(8,664)}{34,860} = 0.75$$

Swale #1 + DI-2

Drainage Area = 17,479 sf ≈ 0.40 acres

Impervious Area – Road/Driveways = 6,939 sf
Parking = 2,553 sf
Sidewalk = 1,493 sf
Other = 338 sf
Total = 11,323 sf

$$C = \frac{0.95(11,323) + 0.15(6,156)}{17,479} = 0.67$$

$$\Rightarrow \quad Q_{10yr} = 0.67(7.23)(0.40) = 1.94 \text{ cfs}$$
$$Q_{50yr} = 0.67(8.87)(0.40) = 2.38 \text{ cfs}$$

Existing CB (SE)

Drainage Area = 12,742 sf ≈ 0.30 acres

Impervious Area – Road/Driveways = 7,801 sf
Sidewalk = 2,374 sf
Other = 83 sf
Total = 10,258 sf

$$C = \frac{0.95(10,258) + 0.15(2,484)}{12,742} = 0.80$$

Existing CB (NE)

Drainage Area = 30,999 sf ≈ 0.72 acres

Impervious Area – Road/Driveways = 15,996 sf
Sidewalk = 3,582 sf
Other = 344 sf
Total = 19,922 sf

$$C = \frac{0.95(19,922) + 0.15(11,077)}{30,999} = 0.67$$

Existing SDMH (located near NE corner of South Front St. & Greenfield St intersection; outside R/W)

Flow from pipe system on South Front Apartments Site

$Q_{10yr} = 11.82$ cfs

$Q_{50yr} = 15.27$ cfs

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service

Station ID: 8658120
Name: WILMINGTON, CAPE FEAR RIVER NC
NOAA Chart: 11537
USGS Quad: WILMINGTON

PUBLICATION DATE: 12/13/2016
Latitude: 34° 13.6' N
Longitude: 77° 57.2' W

T I D A L D A T U M S

Tidal datums at WILMINGTON, CAPE FEAR RIVER based on:

LENGTH OF SERIES: 19 YEARS
TIME PERIOD: January 1983 - December 2001
TIDAL EPOCH: 1983-2001
CONTROL TIDE STATION:

Elevations of tidal datums referred to Mean Lower Low Water (MLLW), in METERS:

HIGHEST OBSERVED WATER LEVEL (10/08/2016)		= 2.489
MEAN HIGHER HIGH WATER	MHHW	= 1.427
MEAN HIGH WATER	MHW	= 1.351 → 4.43 ft ← use for 50yr TW
MEAN SEA LEVEL	MSL	= 0.743
MEAN TIDE LEVEL	MTL	= 0.699 → 2.29 ft ← use for 10yr TW
MEAN LOW WATER	MLW	= 0.047
MEAN LOWER LOW WATER	MLLW	= 0.000
LOWEST OBSERVED WATER LEVEL (02/12/1981)		= -0.567

North American Vertical Datum (NAVD88)

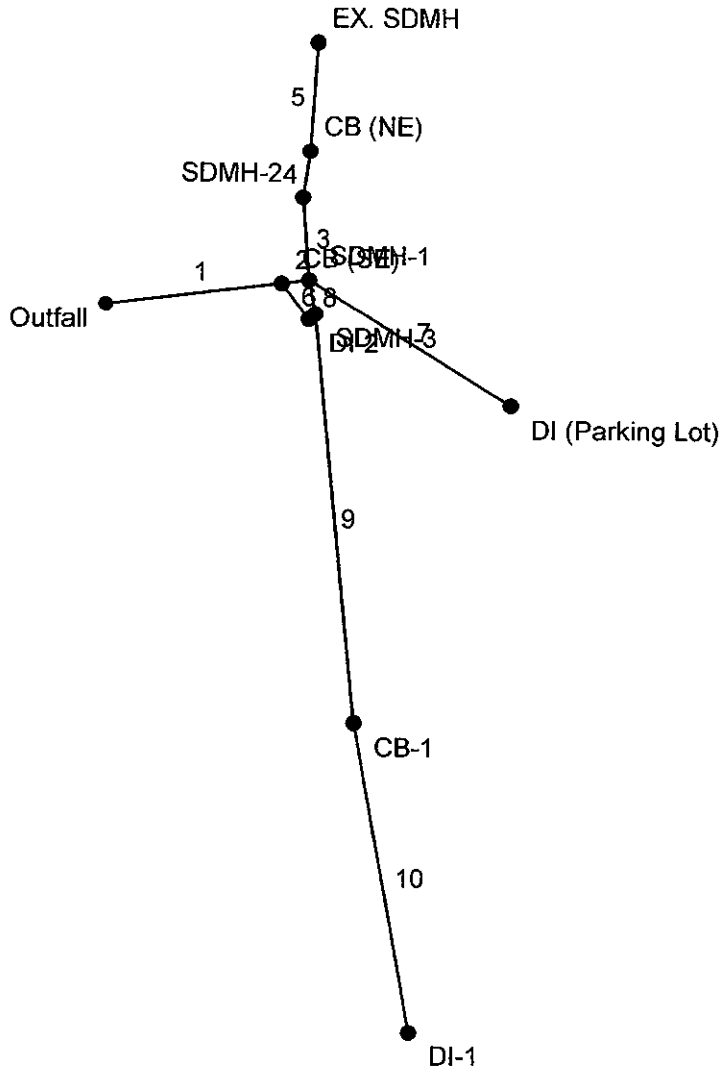
Bench Mark Elevation Information — In METERS above:

Stamping or Designation	MLLW	MHW
8120 D 1976	1.707	0.356
8120 C 1976	1.913	0.562
8120 E 1982	1.846	0.495
8120 G 1989	1.655	0.304
8120 J 1989	3.240	1.889
5 1937	1.655	0.304
8120 N 2014	2.306	0.955
8120 P 2014	2.226	0.875
8120 R 2015	3.440	2.089

Foot Notes:

Bench mark 8120 R 2015 is based on one differential leveling connection and does not meet the quality control standards of the NOS. Therefore, caution should be used when deriving elevations for this mark.

Hydraflow Storm Sewers Extension for Autodesk® AutoCAD® Civil 3D® Plan



Project File: Pipe System-Proposed 10yr (7-26-17).stm	Number of lines: 10	Date: 7/28/2017

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr Line No.	Line Length (ft)	Defl angle (deg)	Junc Type	Known Q (cfs)	Drng Area (ac)	Runoff Coeff (C)	Inlet Time (min)	Invert El Dn (ft)	Line Slope (%)	Invert El Up (ft)	Line Size (in)	Line Shape	N Value (n)	J-Loss Coeff (K)	Inlet/ Rim El (ft)	
1	End	52.000	-7.000	Comb	0.00	0.30	0.80	5.0	-0.96	0.35	-0.78	30	Cir	0.013	1.29	3.74	CB (SE)
2	1	9.000	1.000	MH	0.00	0.00	0.00	5.0	-0.78	2.11	-0.59	30	Cir	0.013	1.00	4.20	SDMH-1
3	2	25.000	-90.000	MH	0.00	0.00	0.00	5.0	-0.59	0.52	-0.46	24	Cir	0.013	0.21	4.12	SDMH-2
4	3	14.000	10.000	Comb	0.00	0.72	0.67	5.0	-0.46	0.50	-0.39	24	Cir	0.013	0.50	3.63	CB (NE)
5	4	33.000	0.000	MH	11.82	0.00	0.00	10.0	-0.39	2.15	0.32	24	Cir	0.013	1.00	4.44	EX. SDMH
6	1	14.000	56.000	DrGrt	0.00	0.40	0.67	5.0	0.47	1.14	0.63	15	Cir	0.013	1.00	3.13	DI-2
7	2	70.000	38.000	DrGrt	0.00	0.80	0.75	5.0	0.48	1.31	1.40	15	Cir	0.013	1.00	4.22	DI (Parking Lot)
8	2	10.000	90.000	MH	0.00	0.00	0.00	5.0	0.48	0.90	0.57	12	Cir	0.013	0.15	4.47	SDMH-3
9	8	123.000	0.000	Comb	0.00	0.10	0.77	5.0	0.57	1.01	1.81	12	Cir	0.013	0.50	5.58	CB-1
10	9	94.000	-4.000	DrGrt	1.02	0.01	0.15	5.0	1.81	1.38	3.11	12	Cir	0.013	1.00	7.63	DI-1

Project File: Pipe System-Proposed 10yr (7-26-17).stm

Number of lines: 10

Date: 7/28/2017

Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns Line No.	Junction Type
1	CB (SE)	23.28	30	Cir	52.000	-0.96	-0.78	0.346	2.29*	2.46*	0.45	2.91	End	Combination
2	SDMH-1	20.11	30	Cir	9.000	-0.78	-0.59	2.111	2.91*	2.93*	0.26	3.19	1	Manhole
3	SDMH-2	14.85	24	Cir	25.000	-0.59	-0.46	0.520	3.19*	3.30*	0.07	3.37	2	Manhole
4	CB (NE)	14.85	24	Cir	14.000	-0.46	-0.39	0.500	3.37*	3.43*	0.17	3.61	3	Combination
5	EX. SDMH	11.82	24	Cir	33.000	-0.39	0.32	2.152	3.61*	3.70*	0.22	3.92	4	Manhole
6	DI-2	1.94	15	Cir	14.000	0.47	0.63	1.143	2.91*	2.92*	0.04	2.96	1	DropGrate
7	DI (Parking Lot)	4.34	15	Cir	70.000	0.48	1.40	1.314	3.19*	3.51*	0.19	3.70	2	DropGrate
8	SDMH-3	1.56	12	Cir	10.000	0.48	0.57	0.900	3.19*	3.21*	0.01	3.22	2	Manhole
9	CB-1	1.57	12	Cir	123.000	0.57	1.81	1.008	3.22*	3.46*	0.03	3.49	8	Combination
10	DI-1	1.03	12	Cir	94.000	1.81	3.11	1.383	3.49	3.61	n/a	3.64 i	9	DropGrate

Project File: Pipe System-Proposed 10yr (7-26-17).stm | Number of lines: 10 | Run Date: 7/28/2017

NOTES: Return period = 10 Yrs. ; *Surcharged (HGL above crown). ; i - Inlet control.

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	52.000	0.30	2.33	0.80	0.24	1.67	5.0	10.3	6.3	23.28	24.13	4.74	30	0.35	-0.96	-0.78	2.29	2.46	0.00	3.74	CB (SE)
2	1	9.000	0.00	1.63	0.00	0.00	1.16	5.0	10.3	6.3	20.11	59.59	4.10	30	2.11	-0.78	-0.59	2.91	2.93	3.74	4.20	SDMH-1
3	2	25.000	0.00	0.72	0.00	0.00	0.48	5.0	10.2	6.3	14.85	16.31	4.73	24	0.52	-0.59	-0.46	3.19	3.30	4.20	4.12	SDMH-2
4	3	14.000	0.72	0.72	0.67	0.48	0.48	5.0	10.1	6.3	14.85	15.99	4.73	24	0.50	-0.46	-0.39	3.37	3.43	4.12	3.63	CB (NE)
5	4	33.000	0.00	0.00	0.00	0.00	0.00	10.0	10.0	0.0	11.82	33.18	3.76	24	2.15	-0.39	0.32	3.61	3.70	3.63	4.44	EX. SDMH
6	1	14.000	0.40	0.40	0.67	0.27	0.27	5.0	5.0	7.2	1.94	6.90	1.58	15	1.14	0.47	0.63	2.91	2.92	3.74	3.13	DI-2
7	2	70.000	0.80	0.80	0.75	0.60	0.60	5.0	5.0	7.2	4.34	7.40	3.53	15	1.31	0.48	1.40	3.19	3.51	4.20	4.22	DI (Parking Lot)
8	2	10.000	0.00	0.11	0.00	0.00	0.08	5.0	6.8	6.9	1.56	3.38	1.98	12	0.90	0.48	0.57	3.19	3.21	4.20	4.47	SDMH-3
9	8	123.000	0.10	0.11	0.77	0.08	0.08	5.0	5.8	7.1	1.57	3.58	2.00	12	1.01	0.57	1.81	3.22	3.46	4.47	5.58	CB-1
10	9	94.000	0.01	0.01	0.15	0.00	0.00	5.0	5.0	7.2	1.03	4.19	1.97	12	1.38	1.81	3.11	3.49	3.61	5.58	7.63	DI-1

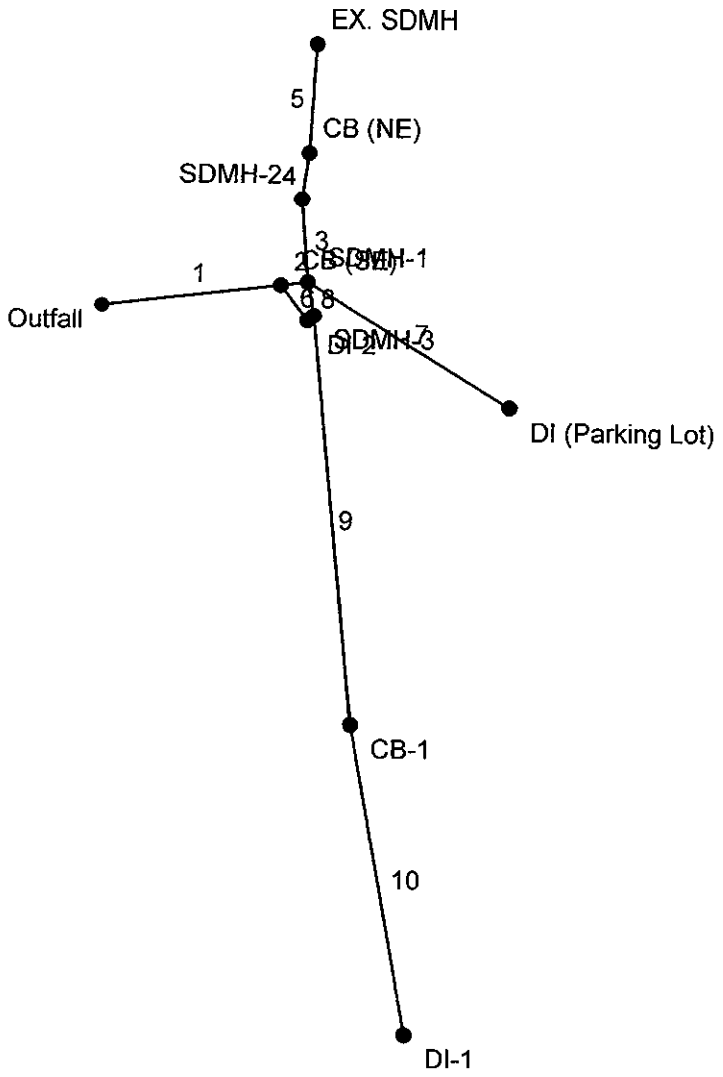
Project File: Pipe System-Proposed 10yr (7-26-17).stm

Number of lines: 10

Run Date: 7/28/2017

NOTES:Intensity = 121.80 / (Inlet time + 23.50) ^ 0.84; Return period =Yrs. 10 ; c = cir e = ellip b = box

Hydraflow Storm Sewers Extension for Autodesk® AutoCAD® Civil 3D® Plan



Project File: Pipe System-Proposed 50yr (7-26-17).stm	Number of lines: 10	Date: 7/28/2017

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr Line No.	Line Length (ft)	Defl angle (deg)	Junc Type	Known Q (cfs)	Drng Area (ac)	Runoff Coeff (C)	Inlet Time (min)	Invert El Dn (ft)	Line Slope (%)	Invert El Up (ft)	Line Size (in)	Line Shape	N Value (n)	J-Loss Coeff (K)	Inlet/ Rim El (ft)	
1	End	52.000	-7.000	Comb	0.00	0.30	0.80	5.0	-0.96	0.35	-0.78	30	Cir	0.013	1.29	3.74	CB (SE)
2	1	9.000	1.000	MH	0.00	0.00	0.00	5.0	-0.78	2.11	-0.59	30	Cir	0.013	1.00	4.20	SDMH-1
3	2	25.000	-90.000	MH	0.00	0.00	0.00	5.0	-0.59	0.52	-0.46	24	Cir	0.013	0.21	4.12	SDMH-2
4	3	14.000	10.000	Comb	0.00	0.72	0.67	5.0	-0.46	0.50	-0.39	24	Cir	0.013	0.50	3.63	CB (NE)
5	4	33.000	0.000	MH	15.27	0.00	0.00	10.0	-0.39	2.15	0.32	24	Cir	0.013	1.00	4.44	EX. SDMH
6	1	14.000	56.000	DrGrt	0.00	0.40	0.67	5.0	0.47	1.14	0.63	15	Cir	0.013	1.00	3.13	DI-2
7	2	70.000	38.000	DrGrt	0.00	0.80	0.75	5.0	0.48	1.31	1.40	15	Cir	0.013	1.00	4.22	DI (Parking Lot)
8	2	10.000	90.000	MH	0.00	0.00	0.00	5.0	0.48	0.90	0.57	12	Cir	0.013	0.15	4.47	SDMH-3
9	8	123.000	0.000	Comb	0.00	0.10	0.77	5.0	0.57	1.01	1.81	12	Cir	0.013	0.50	5.58	CB-1
10	9	94.000	-4.000	DrGrt	5.54	0.01	0.15	5.0	1.81	1.38	3.11	12	Cir	0.013	1.00	7.63	DI-1

Project File: Pipe System-Proposed 50yr (7-26-17).stm

Number of lines: 10

Date: 7/28/2017

Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns Line No.	Junction Type
1	CB (SE)	33.83	30	Cir	52.000	-0.96	-0.78	0.346	4.43*	4.78*	0.95	5.74	End	Combination
2	SDMH-1	29.87	30	Cir	9.000	-0.78	-0.59	2.111	5.74*	5.78*	0.58	6.36	1	Manhole
3	SDMH-2	19.04	24	Cir	25.000	-0.59	-0.46	0.520	6.36*	6.54*	0.12	6.66	2	Manhole
4	CB (NE)	19.04	24	Cir	14.000	-0.46	-0.39	0.500	6.66*	6.76*	0.29	7.04	3	Combination
5	EX. SDMH	15.27	24	Cir	33.000	-0.39	0.32	2.152	7.04*	7.19*	0.37	7.56	4	Manhole
6	DI-2	2.38	15	Cir	14.000	0.47	0.63	1.143	5.74*	5.76*	0.06	5.81	1	DropGrate
7	DI (Parking Lot)	5.32	15	Cir	70.000	0.48	1.40	1.314	6.36*	6.84*	0.29	7.13	2	DropGrate
8	SDMH-3	6.23	12	Cir	10.000	0.48	0.57	0.900	6.36*	6.67*	0.15	6.81	2	Manhole
9	CB-1	6.23	12	Cir	123.000	0.57	1.81	1.008	6.81*	10.58*	0.49	11.07	8	Combination
10	DI-1	5.55	12	Cir	94.000	1.81	3.11	1.383	11.07*	13.36*	0.78	14.13	9	DropGrate

Project File: Pipe System-Proposed 50yr (7-26-17).stm

Number of lines: 10

Run Date: 7/28/2017

NOTES: Return period = 50 Yrs. ; *Surcharged (HGL above crown).

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	52.000	0.30	2.33	0.80	0.24	1.67	5.0	10.2	7.8	33.83	24.13	6.89	30	0.35	-0.96	-0.78	4.43	4.78	0.00	3.74	CB (SE)
2	1	9.000	0.00	1.63	0.00	0.00	1.16	5.0	10.2	7.8	29.87	59.59	6.09	30	2.11	-0.78	-0.59	5.74	5.78	3.74	4.20	SDMH-1
3	2	25.000	0.00	0.72	0.00	0.00	0.48	5.0	10.2	7.8	19.04	16.31	6.06	24	0.52	-0.59	-0.46	6.36	6.54	4.20	4.12	SDMH-2
4	3	14.000	0.72	0.72	0.67	0.48	0.48	5.0	10.1	7.8	19.04	15.99	6.06	24	0.50	-0.46	-0.39	6.66	6.76	4.12	3.63	CB (NE)
5	4	33.000	0.00	0.00	0.00	0.00	0.00	10.0	10.0	0.0	15.27	33.18	4.86	24	2.15	-0.39	0.32	7.04	7.19	3.63	4.44	EX. SDMH
6	1	14.000	0.40	0.40	0.67	0.27	0.27	5.0	5.0	8.9	2.38	6.90	1.94	15	1.14	0.47	0.63	5.74	5.76	3.74	3.13	DI-2
7	2	70.000	0.80	0.80	0.75	0.60	0.60	5.0	5.0	8.9	5.32	7.40	4.34	15	1.31	0.48	1.40	6.36	6.84	4.20	4.22	DI (Parking Lot)
8	2	10.000	0.00	0.11	0.00	0.00	0.08	5.0	5.5	8.8	6.23	3.38	7.93	12	0.90	0.48	0.57	6.36	6.67	4.20	4.47	SDMH-3
9	8	123.000	0.10	0.11	0.77	0.08	0.08	5.0	5.2	8.8	6.23	3.58	7.94	12	1.01	0.57	1.81	6.81	10.58	4.47	5.58	CB-1
10	9	94.000	0.01	0.01	0.15	0.00	0.00	5.0	5.0	8.9	5.55	4.19	7.07	12	1.38	1.81	3.11	11.07	13.36	5.58	7.63	DI-1

Project File: Pipe System-Proposed 50yr (7-26-17).stm

Number of lines: 10

Run Date: 7/28/2017

NOTES:Intensity = 171.29 / (Inlet time + 27.30) ^ 0.85; Return period =Yrs. 50 ; c = cir e = ellip b = box

SWALE #1-10yr

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.030	
Channel Slope	0.00200	ft/ft
Left Side Slope	3.00	ft/ft (H:V)
Right Side Slope	3.00	ft/ft (H:V)
Bottom Width	2.50	ft
Discharge	1.94	ft^3/s

Results

Normal Depth	0.47	ft
Flow Area	1.82	ft^2
Wetted Perimeter	5.45	ft
Hydraulic Radius	0.33	ft
Top Width	5.30	ft
Critical Depth	0.24	ft
Critical Slope	0.02317	ft/ft
Velocity	1.07	ft/s
Velocity Head	0.02	ft
Specific Energy	0.48	ft
Froude Number	0.32	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	289.00	ft
Number Of Steps	5	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.58	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.47	ft
Critical Depth	0.24	ft
Channel Slope	0.00200	ft/ft
Critical Slope	0.02317	ft/ft

SWALE #1-50yr

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.030	
Channel Slope	0.00200	ft/ft
Left Side Slope	3.00	ft/ft (H:V)
Right Side Slope	3.00	ft/ft (H:V)
Bottom Width	2.50	ft
Discharge	2.38	ft^3/s

Results

Normal Depth	0.52	ft
Flow Area	2.11	ft^2
Wetted Perimeter	5.78	ft
Hydraulic Radius	0.36	ft
Top Width	5.62	ft
Critical Depth	0.27	ft
Critical Slope	0.02242	ft/ft
Velocity	1.13	ft/s
Velocity Head	0.02	ft
Specific Energy	0.54	ft
Froude Number	0.33	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	2.68	ft
Length	289.00	ft
Number Of Steps	5	

GVF Output Data

Upstream Depth	2.10	ft
Profile Description	M1	
Profile Headloss	0.00	ft
Downstream Velocity	0.08	ft/s
Upstream Velocity	0.13	ft/s
Normal Depth	0.52	ft
Critical Depth	0.27	ft
Channel Slope	0.00200	ft/ft
Critical Slope	0.02242	ft/ft

BUILDING #1 DOWNSPOUT PIPING (10-YR)

LOCATION FROM	TO	AREA SUB AREAS (AC)	AREA TOTAL (AC)	I (IN/HR)	C	Cc	Q (C.F.S.)	SLOPE (FT/FT)	THEO. SIZE (IN)	ACTUAL SIZE (IN)	n	V(full) (F.P.S.)	LENGTH (FT)	SEGMENT FLOW TIME (MIN)	INVERT UPPER (EL)	INVERT LOWER (EL)	APPROX. HGL (FT)	Water El. Downstream (FT)	Ke Minor Losses (ASSUMED)	INLET CONTROL
DS #1	LINE @ SPLIT	0.040	0.040	7.23	0.95	0.95	0.275	0.008	4.78	6	0.013	2.5525787	5	0.03264672	6.71	6.67	7.88	7.82	1.5	7.044718
LINE @ SPLIT	PPS#1 SECTION 4	0.000	0.020	7.23	0.95	0.95	0.137	0.008	3.69	6	0.013	2.5525787	11	0.07182279	6.67	6.58	7.82	7.80	1.5	6.941179
LINE @ SPLIT	PPS#1 SECTION 4	0.000	0.020	7.23	0.95	0.95	0.137	0.008	3.69	6	0.013	2.5525787	11	0.07182279	6.67	6.58	7.82	7.80	1.5	6.941179
DS #2	LINE @ DS #6 SPLIT	0.050	0.050	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	11	0.07182279	7.17	7.08	8.45	8.33	1.5	7.552371
DS #6	LINE @ DS #6 SPLIT	0.020	0.020	7.23	0.95	0.95	0.137	0.017	3.20	4	0.013	2.8396475	3	0.01760782	7.13	7.08	8.41	8.33	1.5	7.403887
LINE @ DS #6 SPLIT	PPS#1 SECTION 3	0.000	0.023	7.23	0.95	0.95	0.160	0.045	2.83	6	0.013	6.0539719	4	0.01101205	7.08	6.90	8.24	8.22	1.5	7.358828
LINE @ DS #6 SPLIT	LINE @ EAST SPLIT	0.000	0.047	7.23	0.95	0.95	0.321	0.009	4.96	6	0.013	2.7074185	8	0.0492474	7.08	7.01	8.33	8.25	1.5	7.44531
LINE @ EAST SPLIT	PPS#1 SECTION 3	0.000	0.023	7.23	0.95	0.95	0.160	0.022	3.23	6	0.013	4.2329728	5	0.01968672	7.01	6.90	8.24	8.22	1.5	7.288828
LINE @ EAST SPLIT	PPS#1 SECTION 3	0.000	0.023	7.23	0.95	0.95	0.160	0.008	3.91	6	0.013	2.5525787	13	0.08488148	7.01	6.90	8.25	8.22	1.5	7.288828
DS #3	LINE @ WEST SPLIT	0.050	0.050	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	12	0.07835214	7.18	7.08	8.40	8.28	1.5	7.562371
LINE @ WEST SPLIT	PPS#1 SECTION 3	0.000	0.017	7.23	0.95	0.95	0.114	0.036	2.60	6	0.013	5.414837	5	0.01538981	7.08	6.90	8.23	8.22	1.5	7.344708
LINE @ WEST SPLIT	LINE @ EAST SPLIT	0.000	0.033	7.23	0.95	0.95	0.229	0.009	4.37	6	0.013	2.7074185	8	0.0492474	7.08	7.01	8.26	8.23	1.5	7.388832
LINE @ EAST SPLIT	PPS#1 SECTION 3	0.000	0.017	7.23	0.95	0.95	0.114	0.02	2.90	6	0.013	4.0359812	5	0.0206476	7.01	6.90	8.23	8.22	1.5	7.274708
DS #4	LINE @ DS #7 SPLIT	0.050	0.050	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	13	0.08488148	7.01	6.90	8.23	8.22	1.5	7.274708
DS #7	LINE @ DS #7 SPLIT	0.020	0.020	7.23	0.95	0.95	0.137	0.017	3.20	4	0.013	2.8396475	11	0.07182279	7.39	7.30	8.70	8.58	1.5	7.772371
LINE @ DS #7 SPLIT	PPS#1 SECTION 2	0.000	0.023	7.23	0.95	0.95	0.160	0.048	2.79	6	0.013	6.2525153	3	0.01760782	7.35	7.30	8.66	8.58	1.5	7.623887
LINE @ DS #7 SPLIT	LINE @ EAST SPLIT	0.000	0.047	7.23	0.95	0.95	0.321	0.009	4.96	6	0.013	2.7074185	4	0.01066238	7.30	7.11	8.49	8.47	1.5	7.578828
LINE @ EAST SPLIT	PPS#1 SECTION 2	0.000	0.023	7.23	0.95	0.95	0.160	0.24	2.06	6	0.013	13.981049	8	0.0492474	7.30	7.23	8.58	8.50	1.5	7.66531
LINE @ EAST SPLIT	PPS#1 SECTION 2	0.000	0.023	7.23	0.95	0.95	0.160	0.009	3.82	6	0.013	2.7074185	5	0.00596045	7.23	7.11	8.49	8.47	1.5	7.508828
DS #5	LINE @ SPLIT	0.040	0.040	7.23	0.95	0.95	0.275	0.009	4.68	6	0.013	2.7074185	13	0.08002703	7.23	7.11	8.50	8.47	1.5	7.508828
LINE @ SPLIT	PPS#1 SECTION 1	0.000	0.020	7.23	0.95	0.95	0.137	0.009	3.61	6	0.013	2.7074185	8	0.0492474	7.89	7.82	9.45	9.39	1.5	8.224718
LINE @ SPLIT	PPS#1 SECTION 1	0.000	0.020	7.23	0.95	0.95	0.137	0.01	3.54	6	0.013	2.8538697	8	0.0492474	7.82	7.75	9.39	9.37	1.5	8.091179
DS #8	LINE @ DS #13	0.040	0.040	7.23	0.95	0.95	0.275	0.025	3.86	6	0.013	4.5123642	7	0.04088017	7.82	7.75	9.39	9.37	1.5	8.091179
DS #9	LINE @ DS #9	0.050	0.050	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	67	0.2474682	4.08	2.40	6.32	6.11	1.5	4.414718
DS #13	LINE @ DS #9	0.020	0.020	7.23	0.95	0.95	0.137	0.017	3.20	4	0.013	2.8396475	12	0.07835214	4.00	3.90	6.40	6.29	1.5	4.382371
LINE @ DS #9	LINE @ DS #13	0.000	0.070	7.23	0.95	0.95	0.481	0.3	2.99	6	0.013	15.631288	3	0.01760782	3.95	3.90	6.35	6.29	1.5	4.223887
LINE @ DS #13	LINE @ DS #10	0.000	0.110	7.23	0.95	0.95	0.756	0.008	6.99	8	0.013	3.0922288	5	0.00533119	3.90	2.40	6.29	6.11	1.5	4.409448
DS #10	LINE @ DS #10	0.050	0.050	7.23	0.95	0.95	0.343	0.16	2.96	6	0.013	11.415479	27	0.1455261	2.40	2.18	6.11	5.89	1.5	2.936047
LINE @ DS #10	LINE @ DS #14	0.000	0.160	7.23	0.95	0.95	1.099	0.009	7.87	8	0.013	3.279804	19	0.02774011	5.22	2.18	6.04	5.89	1.5	5.602371
DS #11	LINE @ DS #11	0.050	0.050	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	26	0.13212172	2.18	1.95	5.89	5.45	1.5	2.942216
DS #14	LINE @ DS #11	0.020	0.020	7.23	0.95	0.95	0.137	0.017	3.20	4	0.013	2.8396475	12	0.07835214	5.25	5.15	5.78	5.66	1.5	5.632371
													3	0.01760782	5.20	5.15	5.73	5.66	1.5	5.473887

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LINE @ DS #11	LINE @ DS #14	0.000	0.070	7.23	0.95	0.95	0.481	0.4	2.83	6	0.013	18.049457	8	0.00738711	5.15	1.95	5.66	5.45	1.5	5.659448
LINE @ DS #14	CONNECTION NEAR Ex. DI	0.000	0.230	7.23	0.95	0.95	1.580	0.008	9.21	10	0.013	3.5882137	28	0.13005543	1.95	1.72	5.45	5.10	1.5	2.729673
DS #12	CONNECTION NEAR Ex. DI	0.040	0.040	7.23	0.95	0.95	0.275	0.05	3.39	6	0.013	6.3814467	43	0.11230473	3.87	1.72	5.25	5.10	1.5	4.204718
CONNECTION NEAR Ex. DI	Ex. DROP INLET	0.000	0.270	7.23	0.95	0.95	1.854	0.008	9.79	12	0.013	4.0519661	9	0.03701907	1.72	1.65	5.10	4.95	1.5	2.461246

BUILDING #2 DOWNSPOUT PIPING (10-YR)

LOCATION FROM	TO	AREA SUB AREAS (AC)	AREA TOTAL (AC)	I (IN/HR)	C	Cc	Q (C.F.S.)	SLOPE (FT/FT)	THEO. SIZE (IN)	ACTUAL SIZE (IN)	n	V(full) (F.P.S.)	LENGTH (FT)	SEGMENT FLOW TIME (MIN)	INVERT UPPER (EL)	INVERT LOWER (EL)	APPROX. HGL (FT)	Water El. Downstream (FT)	Ke Minor Losses (ASSUMED)	INLET CONTROL
DS #1	PPS#1 SECTION 1	0.01	0.01	7.23	0.95	0.95	0.069	0.07	1.89	4	0.013	5.7622088	12	0.03470891	10.00	9.16	10.19	9.37	1.5	10.19347
DS #2	LINE @ SPLIT	0.03	0.03	7.23	0.95	0.95	0.206	0.07	2.86	4	0.013	5.7622088	3	0.00867723	10.00	9.79	10.41	10.02	1.5	10.40791
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02 ↑ 1/2 area	7.23	0.95	0.95	0.103	0.07	2.20	4	0.013	5.7622088	9	0.02603168	9.79	9.16	10.02	9.37	1.5	10.01698
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02 ↑ 1/2 area	7.23	0.95	0.95	0.103	0.042	2.43	4	0.013	4.4633877	15	0.05601127	9.79	9.16	10.02	9.37	1.5	10.01698
DS #3	PPS#1 SECTION 1	0.02	0.02	7.23	0.95	0.95	0.137	0.015	3.28	4	0.013	2.6673843	11	0.0687315	9.93	9.16	10.20	9.37	1.5	10.20389
DS #4	LINE @ SPLIT	0.03	0.03	7.23	0.95	0.95	0.206	0.07	2.86	4	0.013	5.7622088	2	0.00578482	9.93	9.79	10.34	10.02	1.5	10.33791
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.103	0.07	2.20	4	0.013	5.7622088	9	0.02603168	9.79	9.16	10.02	9.37	1.5	10.01698
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02 ↑ 1/2 area	7.23	0.95	0.95	0.103	0.037	2.48	4	0.013	4.1892939	17	0.06763272	9.79	9.16	10.02	9.37	1.5	10.01698
PD #1	LINE @ PD #2	0.01	0.01 ↑ 1/2 area	7.23	0.95	0.95	0.069	0.015	2.53	4	0.013	2.6673843	34	0.21244283	8.80	8.29	9.74	9.68	1.5	8.993472
PD #2	LINE @ PD #2	0.01	0.01	7.23	0.95	0.95	0.069	0.1	1.77	4	0.013	6.8871568	2	0.00483993	8.49	8.29	9.70	9.68	1.5	8.683472
LINE @ PD #2	LINE @ DS #5	0.00	0.02	7.23	0.95	0.95	0.137	0.015	3.28	4	0.013	2.6673843	6	0.03748991	8.29	8.2	9.68	9.60	1.5	8.563887
DS #5	LINE @ DS #5	0.02	0.02	7.23	0.95	0.95	0.137	0.1	2.30	4	0.013	6.8871568	2	0.00483993	8.40	8.2	9.66	9.60	1.5	8.673887
LINE @ DS #5	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.137	0.014	3.32	4	0.013	2.5769381	32	0.20696397	8.20	7.75	9.60	9.37	1.5	8.473887

BUILDING #3 DOWNSPOUT PIPING (10-YR)

LOCATION FROM	TO	AREA SUB AREAS (AC)	AREA TOTAL (AC)	I (IN/HR)	C	Cc	Q (C.F.S.)	SLOPE (FT/FT)	THEO. SIZE (IN)	ACTUAL SIZE (IN)	n	V(full) (F.P.S.)	LENGTH (FT)	SEGMENT FLOW TIME (MIN)	INVERT UPPER (EL)	INVERT LOWER (EL)	APPROX. HGL (FT)	Water El. Downstream (FT)	Ke Minor Losses (ASSUMED)	INLET CONTROL
DS #1	PPS#1 SECTION 1	0.01	0.01	7.23	0.95	0.95	0.069	0.07	1.89	4	0.013	5.7622088	12	0.03470891	10.00	9.16	10.19	9.37	1.5	10.19347
DS #2	LINE @ SPLIT	0.04	0.04	7.23	0.95	0.95	0.275	0.07	3.18	4	0.013	5.7622088	3	0.00867723	10.00	9.79	10.60	10.06	1.5	10.59555
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.137	0.07	2.46	4	0.013	5.7622088	9	0.02603168	9.79	9.16	10.06	9.37	1.5	10.06389
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.137	0.042	2.70	4	0.013	4.4633877	15	0.05601127	9.79	9.16	10.06	9.37	1.5	10.06389
DS #3	PPS#1 SECTION 1	0.02	0.02	7.23	0.95	0.95	0.137	0.015	3.28	4	0.013	2.6673843	11	0.0687315	9.93	9.16	10.20	9.37	1.5	10.20389
DS #4	LINE @ SPLIT	0.03	0.03	7.23	0.95	0.95	0.206	0.07	2.86	4	0.013	5.7622088	2	0.00578482	9.93	9.79	10.34	10.02	1.5	10.33791
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.103	0.07	2.20	4	0.013	5.7622088	9	0.02603168	9.79	9.16	10.02	9.37	1.5	10.01698
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.02	7.23	0.95	0.95	0.103	0.037	2.48	4	0.013	4.1892939	17	0.06763272	9.79	9.16	10.02	9.37	1.5	10.01698
PD #1	LINE @ PD #2	0.01	0.01	7.23	0.95	0.95	0.069	0.014	2.56	4	0.013	2.5769381	34	0.21989922	9.02	8.54	9.90	9.84	1.5	9.213472
PD #2	LINE @ PD #2	0.01	0.01	7.23	0.95	0.95	0.069	0.1	1.77	4	0.013	6.8871568	2	0.00483993	8.74	8.54	9.86	9.84	1.5	8.933472
LINE @ PD #2	LINE @ DS #5	0.00	0.02	7.23	0.95	0.95	0.137	0.015	3.28	4	0.013	2.6673843	6	0.03748991	8.54	8.45	9.84	9.75	1.5	8.813887
DS #5	LINE @ DS #5	0.02	0.02	7.23	0.95	0.95	0.137	0.1	2.30	4	0.013	6.8871568	2	0.00483993	8.65	8.45	9.82	9.75	1.5	8.923887
LINE @ DS #5	LINE @ YI #1	0.00	0.02	7.23	0.95	0.95	0.137	0.014	3.32	4	0.013	2.5769381	34	0.21989922	8.45	7.97	9.75	9.52	1.5	8.723887
YI #1	LINE @ YI #1	0.03	0.03	7.23	0.95	0.95	0.206	0.008	4.29	6	0.013	2.5525787	2	0.01305869	7.99	7.97	9.55	9.52	1.5	8.287654
LINE @ YI #1	LINE @ SPLIT	0.00	0.05	7.23	0.95	0.95	0.343	0.008	5.20	6	0.013	2.5525787	12	0.07835214	7.97	7.87	9.52	9.40	1.5	8.352371
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.03	7.23	0.95	0.95	0.172	0.03	0.03	6	0.013	4.9430473	4	0.01348696	7.87	7.75	9.39	9.37	1.5	8.153093
LINE @ SPLIT	PPS#1 SECTION 1	0.00	0.03	7.23	0.95	0.95	0.172	0.009	3.92	6	0.013	2.7074185	13	0.08002703	7.87	7.75	9.40	9.37	1.5	8.153093
DS #6	PPS#1 SECTION 1	0.01	0.01	7.23	0.95	0.95	0.069	0.042	2.08	4	0.013	4.4633877	25	0.09335211	10.21	9.16	10.40	9.37	1.5	10.40347

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* Does not include area from DS #5 from this point downstream to PPS #1 Section 1 because the area of PD #1 + PD #2 is the same area as DS #5