

THE **STERLING** CO.

THE VILLAGES AT SPRINGHURST

DETENTION REPORT

Prepared For:
SPRINGHURST, L.L.C.
5091 New Baumgartner Road
St. Louis, Missouri 63129
(314) 487-6717

Prepared By:
THE STERLING COMPANY
5055 New Baumgartner Road
St. Louis, Missouri 63129
(314) 487-0440

Sterling Project No.: 03-12-269

Date:
February 3, 2005
May 19, 2005
June 23, 2005

*NEED TO MONITOR
MMS.
TO CONTACT
P.I. FOR
OFFSHORE
PROVS.*



**THE VILLAGES AT SPRINGHURST
DETENTION ANALYSIS
03-12-269**

Site Acreage = 95.96 Acres
 Design Storms = 2, 15, 25, 100 Years
 Design Period = 20 Minutes

Return

Frequency (Years)	Existing P.I. (5%)	Proposed P.I.	Differential Runoff
2	1.15	1.84 ✓	0.69
15	1.87	3.00 ✓	1.13
25	2.31	3.70 ✓	1.39
100	2.95	4.75 ✓	1.80

Retention Basin #1 Analysis:

29.78 Acres in Basin #1 Watershed

23.79 Acres tributary to Basin #1

Detention required for Basin #1 watershed

Return Frequency		Total Required
2 Year	= 29.78 Ac. (0.69) =	20.55 cfs
15 Year	= 29.78 Ac. (1.13) =	33.65 cfs
25 Year	= 29.78 Ac. (1.39) =	41.39 cfs

Direct runoff tributary to Basin #1

Return				Total
<u>Frequency</u>				<u>Tributary</u>
2 Year	=	23.79 Ac. (1.84)	=	43.77 cfs
15 Year	=	23.79 Ac. (3.00)	=	71.37 cfs
25 Year	=	23.79 Ac. (3.70)	=	88.02 cfs
100 Year	=	23.79 Ac. (4.75)	=	113.00 cfs

Total Designed Detention for Basin #1: (see basin #1 tab)

Return				Total
<u>Frequency</u>		(Inflow – Outflow)		<u>Designed</u>
2 Year	=	(43.77 cfs – 13.51 cfs)	=	30.26 cfs
15 Year	=	(71.37 cfs – 25.06 cfs)	=	46.31 cfs
25 Year	=	(88.02 cfs – 32.55 cfs)	=	55.47 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.) (see basin #1 low flow blocked tab)

$$\text{Basin \#1} = 594.00 - 592.39 = 1.61 \text{ ft.}$$

Detention Basin #2 Analysis:

13.51 Acres in Basin #2 Watershed

10.20 Acres tributary to Basin #2

Detention required for Basin #2 watershed

Return				Total
<u>Frequency</u>				<u>Required</u>
2 Year	=	13.51 Ac. (0.69)	=	9.32 cfs
15 Year	=	13.51 Ac. (1.13)	=	15.26 cfs
25 Year	=	13.51 Ac. (1.39)	=	18.78 cfs

Direct runoff tributary to Basin #2

Return				Total
<u>Frequency</u>				<u>Tributary</u>
2 Year	=	10.20 Ac. (1.84)	=	18.77 cfs
15 Year	=	10.20 Ac. (3.00)	=	30.60 cfs
25 Year	=	10.20 Ac. (3.70)	=	37.74 cfs
100 Year	=	10.20 Ac. (4.75)	=	48.45 cfs

Total Designed Detention for Basin #2: (see basin #2 tab)

Return				Total
<u>Frequency</u>		<u>(Inflow – Outflow)</u>		<u>Designed</u>
2 Year	=	(18.77 cfs – 0.91 cfs)	=	17.86 cfs
15 Year	=	(30.60 cfs – 1.10 cfs)	=	29.50 cfs
25 Year	=	(37.74 cfs – 1.14 cfs)	=	36.60 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.) (see basin #2 low flow blocked tab)

$$\text{Basin \#2} = 586.00 - 584.64 = 1.36 \text{ ft.}$$

Detention Basin #3 Analysis:

8.82 Acres in Basin #3 Watershed

8.53 Acres tributary to Basin #3

Detention required for Basin #3 watershed

Return				Total
<u>Frequency</u>				<u>Required</u>
2 Year	=	8.82 Ac. (0.69)	=	6.09 cfs
15 Year	=	8.82 Ac. (1.13)	=	9.97 cfs
25 Year	=	8.82 Ac. (1.39)	=	12.26 cfs

Direct runoff tributary to Basin #3

Return				Total
<u>Frequency</u>				<u>Tributary</u>
2 Year	=	8.53 Ac. (1.84)	=	15.70 cfs
15 Year	=	8.53 Ac. (3.00)	=	25.59 cfs
25 Year	=	8.53 Ac. (3.70)	=	31.56 cfs
100 Year	=	8.53 Ac. (4.75)	=	40.52 cfs

Total Designed Detention for Basin #3: (see basin #3 tab)

Return				Total
<u>Frequency</u>		<u>(Inflow – Outflow)</u>		<u>Designed</u>
2 Year	=	(15.70 cfs – 9.79 cfs)	=	5.91 cfs
15 Year	=	(25.59 cfs – 14.82 cfs)	=	10.77 cfs
25 Year	=	(31.56 cfs – 18.42 cfs)	=	12.26 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.) (see basin #3 low flow blocked tab)

$$\text{Basin \#3} = 580.80 - 579.82 = 0.98 \text{ ft.}$$

Detention Basin #4 Analysis:

37.41 Acres in Basin #4 Watershed

18.44 Acres tributary to Basin #4

Detention required for Basin #4 watershed

Return				Total
<u>Frequency</u>				<u>Required</u>
2 Year	=	37.41 Ac. (0.69)	=	25.81 cfs
15 Year	=	37.41 Ac. (1.13)	=	42.27 cfs
25 Year	=	37.41 Ac. (1.39)	=	52.00 cfs

Direct runoff tributary to Basin #4

Return				Total
<u>Frequency</u>				<u>Tributary</u>
2 Year	=	18.44 Ac. (1.84)	=	33.93 cfs
15 Year	=	18.44 Ac. (3.00)	=	55.32 cfs
25 Year	=	18.44 Ac. (3.70)	=	68.23 cfs
100 Year	=	18.44 Ac. (4.75)	=	87.59 cfs

Total Designed Detention for Basin #4: (see basin #4 tab)

Return				Total
<u>Frequency</u>		<u>(Inflow – Outflow)</u>		<u>Designed</u>
2 Year	=	(33.93 cfs – 7.37 cfs)	=	26.56 cfs
15 Year	=	(55.32 cfs – 11.14 cfs)	=	44.18 cfs
25 Year	=	(68.23 cfs – 15.56 cfs)	=	52.67 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.) (see basin #4 low flow blocked tab)

$$\text{Basin \#4} = 584.30 - 583.28 = 1.02 \text{ ft.}$$

Detention Basin #5 Analysis:

7.05 Acres in Basin #5 Watershed

6.97 Acres tributary to Basin #5

Detention required for Basin #5 watershed

Return				Total
<u>Frequency</u>				<u>Required</u>
2 Year	=	7.05 Ac. (0.69)	=	4.86 cfs
15 Year	=	7.05 Ac. (1.13)	=	7.96 cfs
25 Year	=	7.05 Ac. (1.39)	=	9.80 cfs

Direct runoff tributary to Basin #5

<u>Return</u>				<u>Total</u>
<u>Frequency</u>				<u>Tributary</u>
2 Year	=	6.97 Ac. (1.84)	=	12.82 cfs
15 Year	=	6.97 Ac. (3.00)	=	20.91 cfs
25 Year	=	6.97 Ac. (3.70)	=	25.79 cfs
100 Year	=	6.97 Ac. (4.75)	=	33.11 cfs

Total Designed Detention for Basin #5: (see basin #5 tab)

<u>Return</u>				<u>Total</u>
<u>Frequency</u>		(Inflow – Outflow)		<u>Designed</u>
2 Year	=	(12.82 cfs – 6.85 cfs)	=	5.97 cfs
15 Year	=	(20.91 cfs – 8.49 cfs)	=	12.42 cfs
25 Year	=	(25.79 cfs – 12.26 cfs)	=	13.35 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.) (see basin #5 low flow blocked tab)

Basin #5 = 574.40 – 573.64 = 0.76 ft.

EXECUTIVE SUMMARY:

Total detention (25 year frequency) required vs. detention provided per basin for this development.

<u>Basin #</u>	<u>Detention Required</u>	<u>Detention Designed</u>	
Basin #1	41.39 cfs (see pg. 2)	55.47 cfs (see pg. 3)	✓
Basin #2	18.78 cfs (see pg. 3)	36.60 cfs (see pg. 4)	✓
Basin #3	12.26 cfs (see pg. 4)	12.26 cfs (see pg. 5)	✓
Basin #4	52.00 cfs (see pg. 5)	52.67 cfs (see pg. 6)	✓
Basin #5	9.80 cfs (see pg. 6)	13.53 cfs (see pg. 7)	✓
Total	134.23 cfs	170.53 cfs	

EXTRA DETENTION STORAGE ACCOUNTS FOR SEDIMENT STORAGE.

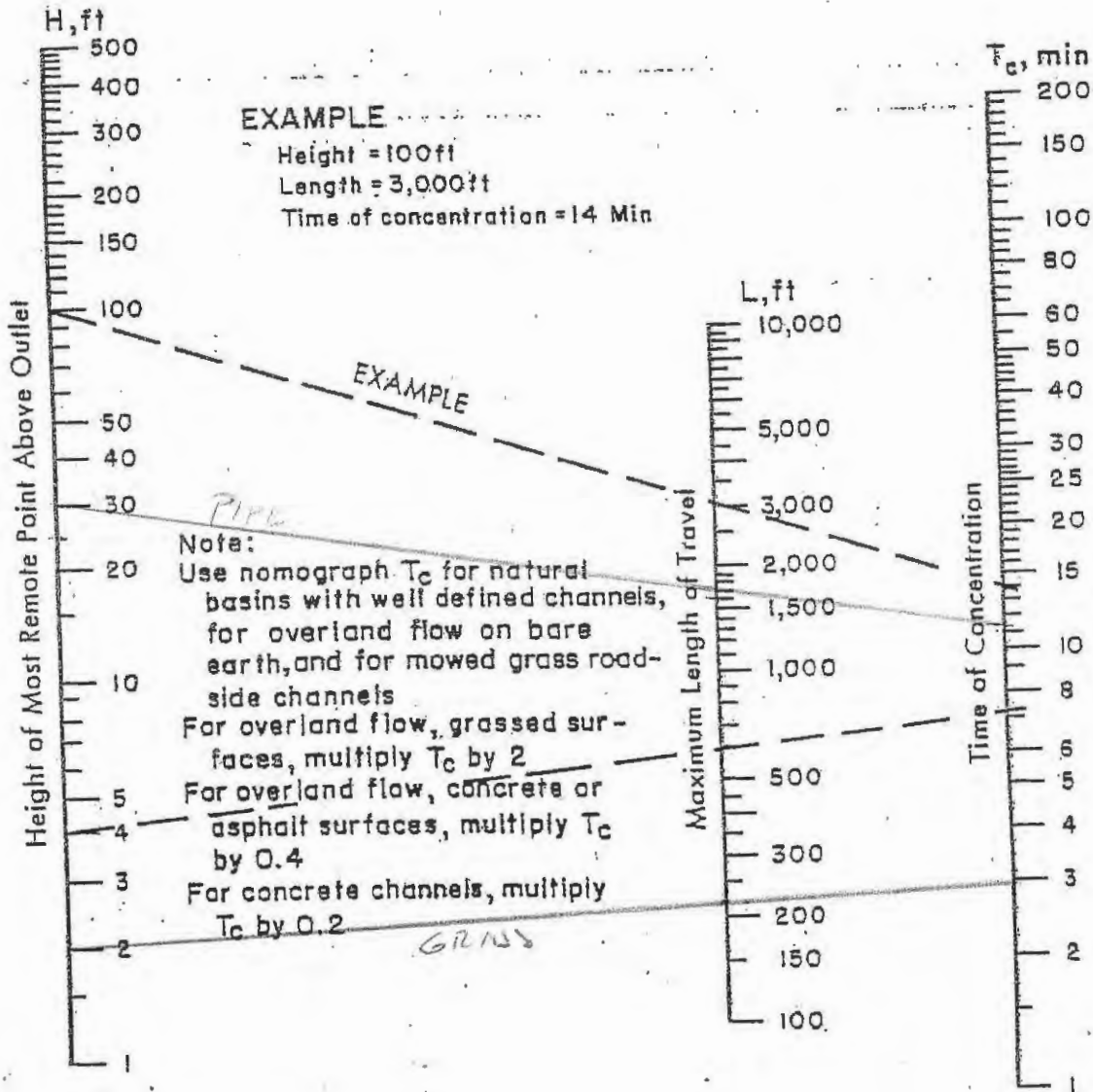
THE VILLAGES @ SPRING HURST

THE STERLING COMPANY
5055 NEW BAUMGARTNER RD.
ST. LOUIS, MO 63129

Project: TIME OF CONCENTRATION SHEET ___ of ___
Date: _____ Project No: _____
Designed: _____ Checked: _____

(314) 487-0440
Fax (314) 487-8944

BASIN #1



Based on study by P.Z. Kirpich,
Civil Engineering, Vol. 10, No. 5, June 1940, p. 362

OVERLAND FLOW : 230' GRASS, 2' DIFF = 6 MIN
PIPE FLOW : 1700' PIPE, 30' DIFF = 2 MIN
8 MIN

THE VILLAGES @ SPRINGHURST

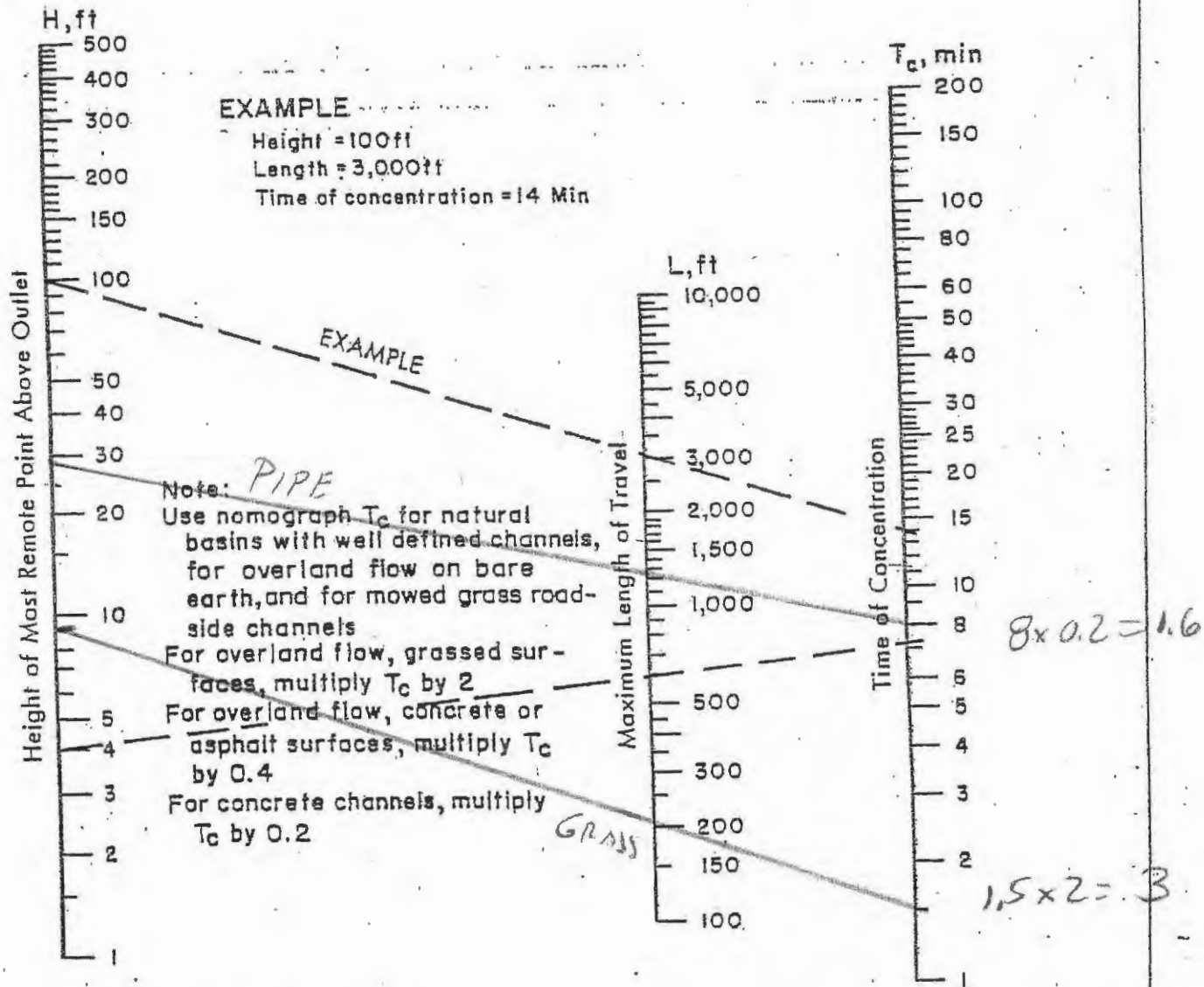
THE STERLING COMPANY

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Project: TIME OF CONCENTRATION SHEET ___ of ___
Date: _____ Project No: _____
Designed: _____ Checked: _____

BASIN #2



Based on study by P. Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW: 200' GRASS; 8' DIFF = 3 MIN
PIPE FLOW: 1250' PIPE, 29' DIFF = $\frac{1.6 \text{ MIN}}{5 \text{ MIN}}$

THE VILLAGES @ SPRINGHURST

THE STERLING COMPANY

5055 NEW BAUMGARTNER RD.
ST. LOUIS, MO 63129

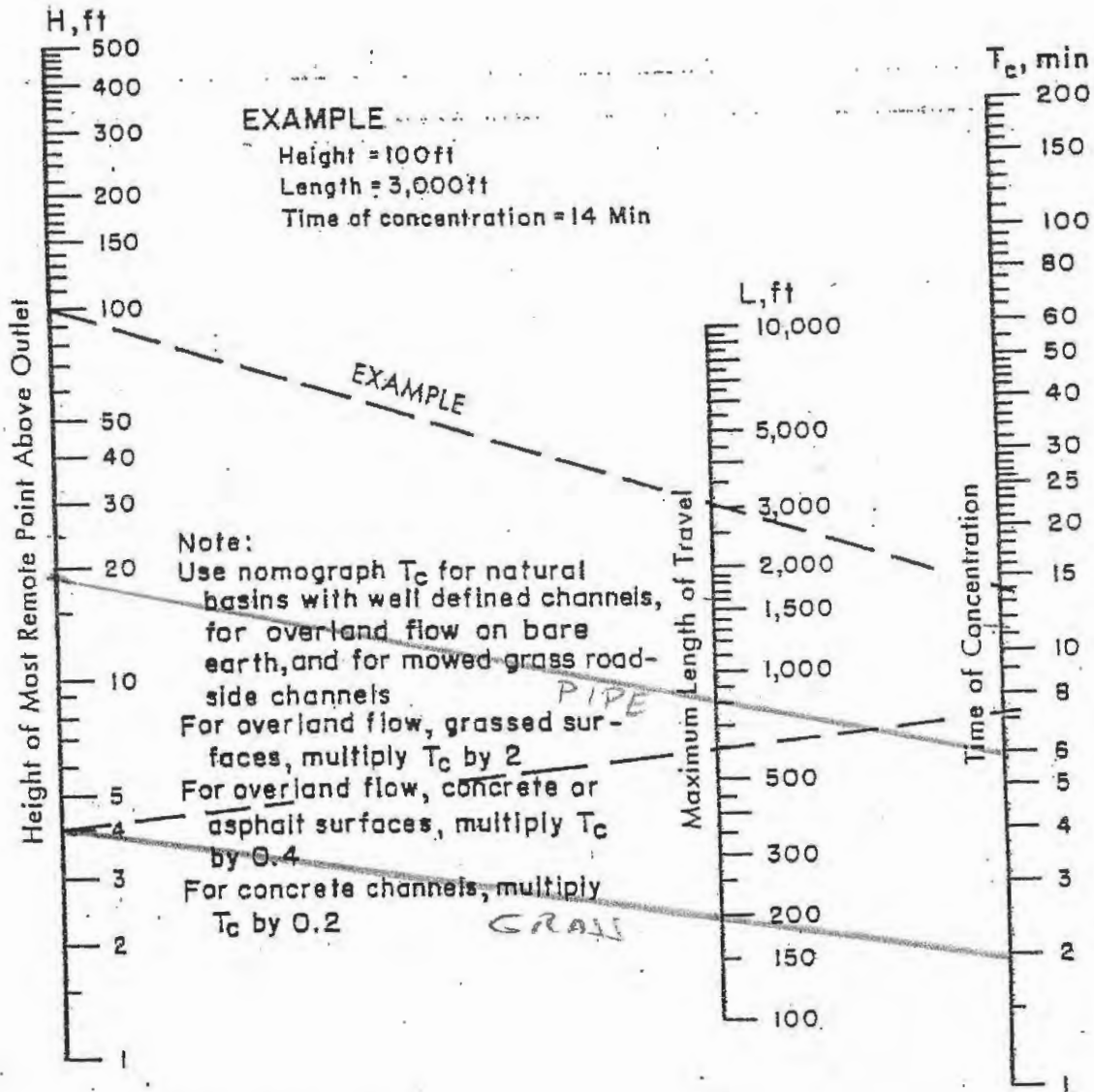
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Fax (314) 487-8944

Project: TIME OF CONCENTRATION SHEET ___ of ___

Date: _____ Project No: _____

Designed: _____ Checked: _____

BASIN #3



Based on study by P. Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW: 200' GRASS, 4' DIFF = 4 MIN
PIPE FLOW: 800' PIPE, 19" DIFF = 1 MIN
5 MIN

6 x 0.2 = 1
2 x 2 = 4

THE VILLAGES @ SPRINGHURST

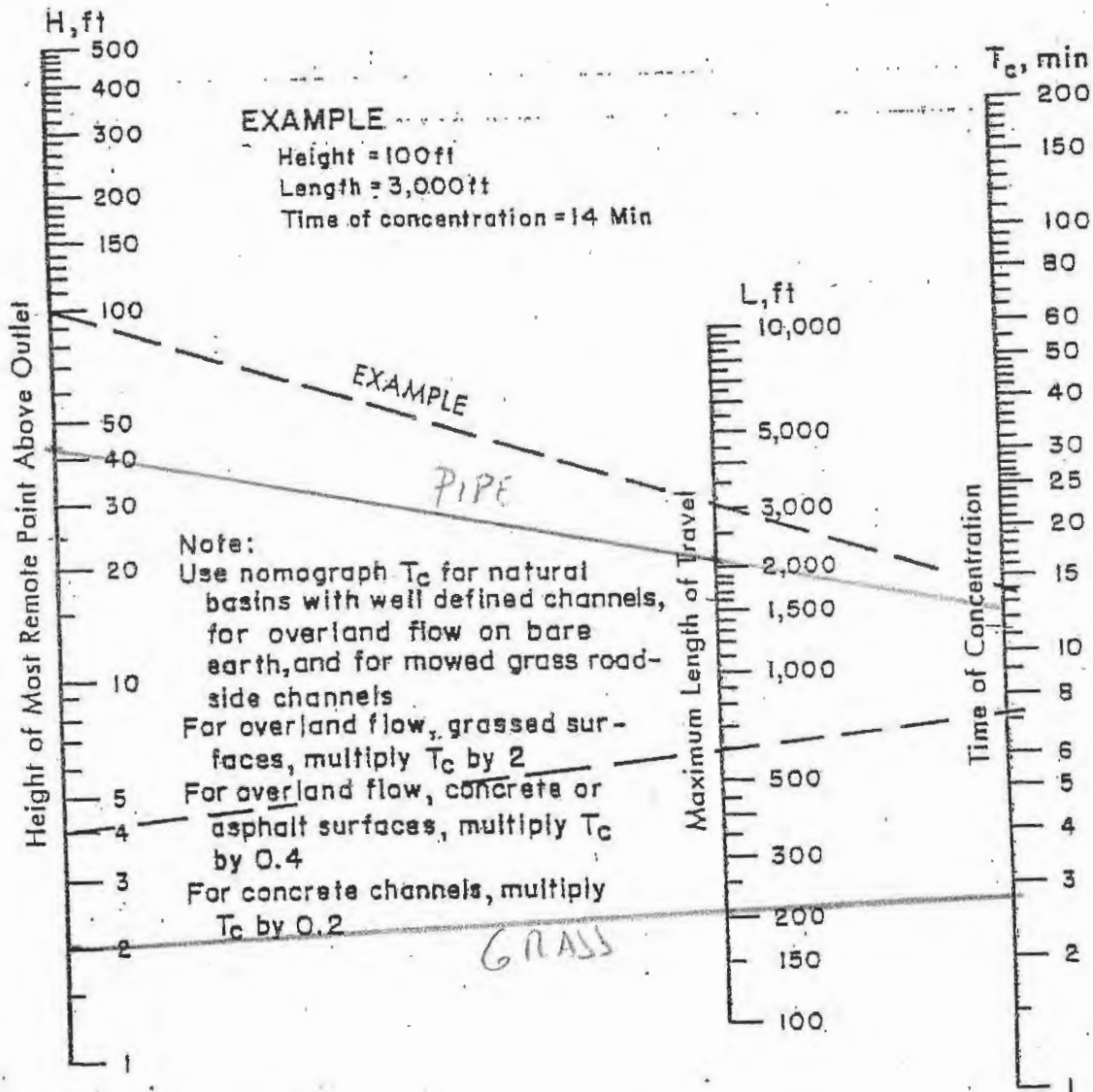
THE STERLING COMPANY

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Date: _____ Project No: _____
Designed: _____ Checked: _____

BASIN # 7



Based on study by P.Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW: 210' GRASS, 2' DIFF = 5.6
PIPE FLOW: 2100' PIPE, 43' DIFF = 2.5
8.0 MIN

THE VILLAGES @ SPRING HURST

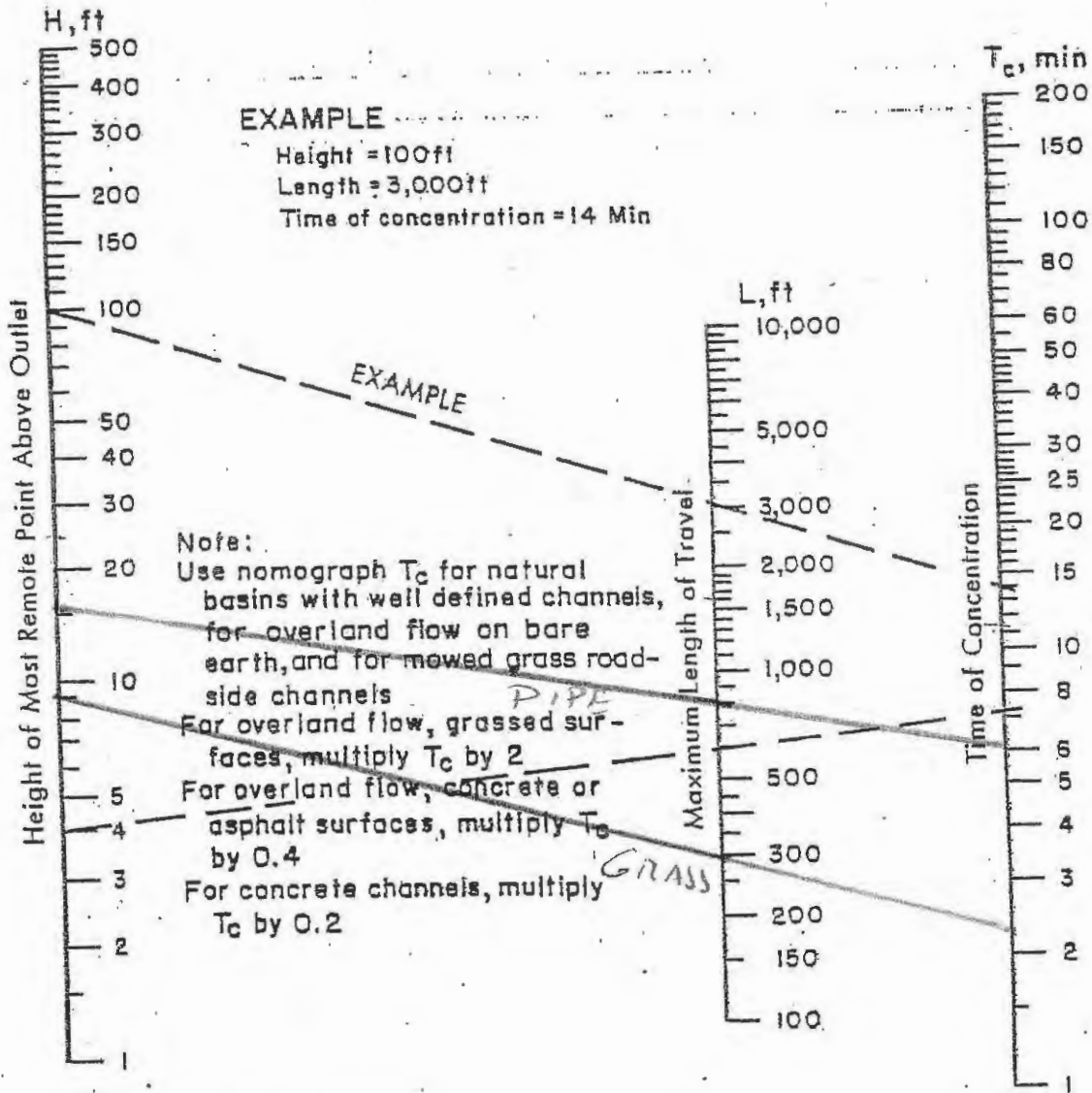
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ST. LOUIS, MO 63129

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Project: TIME OF CONCENTRATION SHEET ___ of ___
Date: _____ Project No: _____
Designed: _____ Checked: _____

BASIN #5



Based on study by P.Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW: 300' GRASS, 8' DIFF = 4.4
PIPE FLOW: 800' PIPE, 10' DIFF = 1.2
6 MIN

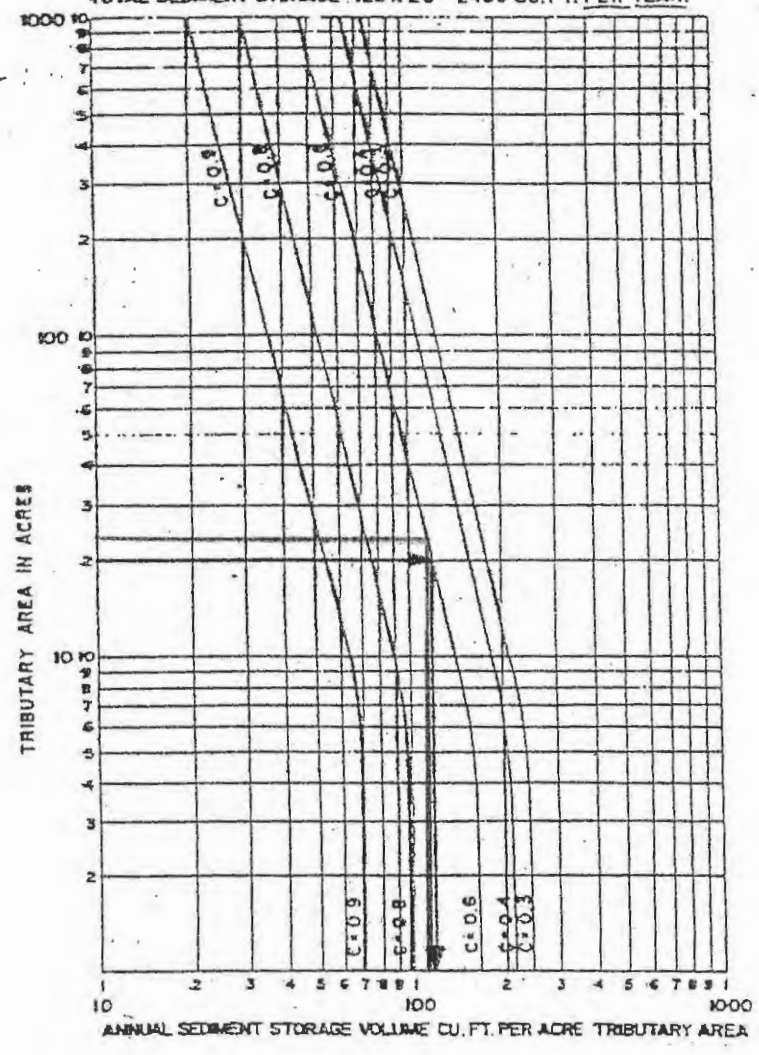
THE VILLAGES @ SPRING HURST BARRAGE

ORIGINAL

2 YEAR SEDIMENT STORAGE REQUIRED

EXAMPLE:

TRIBUTARY AREA = 20 ACRES
 RATIONAL METHOD RUNOFF COEFFICIENT "C" = 0.6
 SEDIMENT STORAGE = 120 CU. FT. PER ACRE PER YEAR
 TOTAL SEDIMENT STORAGE = 120 X 20 = 2400 CU. FT. PER YEAR.



ANNUAL SEDIMENT STORAGE

FIG. 1

TOTAL SEDIMENT STORAGE = 120 X 23.79 = 2855 CU. FT.

THE VILLAGES @ SPRINGHURST BASIN #2

ORIGINAL

2 YEAR SEDIMENT STORAGE REQUIRED

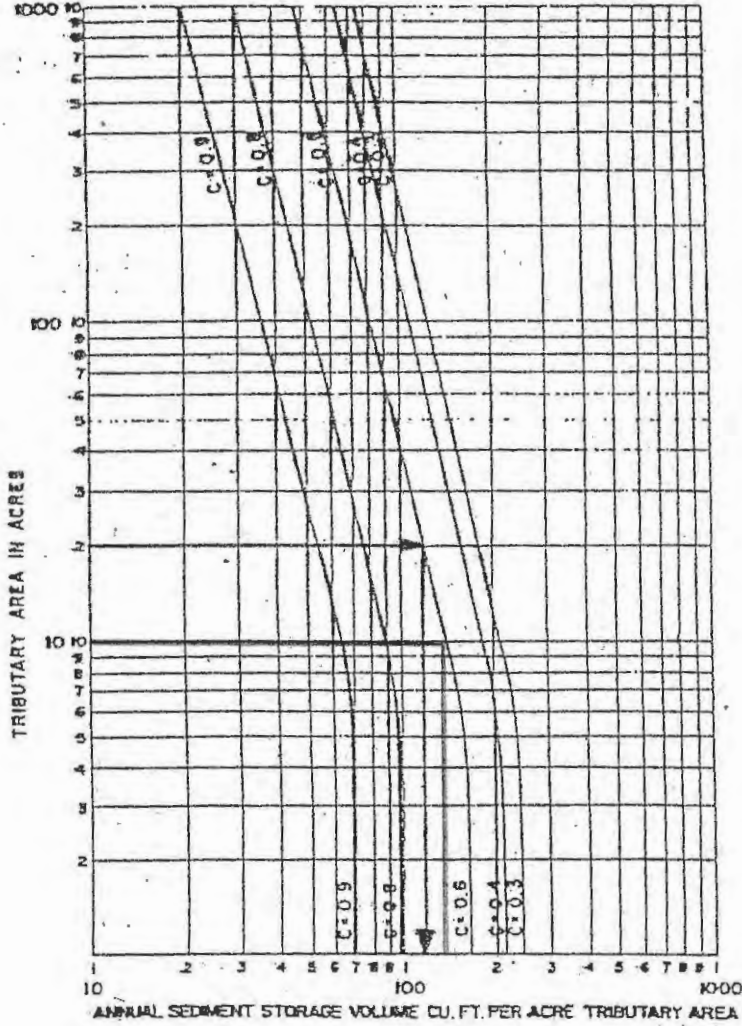
EXAMPLE:

TRIBUTARY AREA = 20 ACRES

RATIONAL METHOD RUNOFF COEFFICIENT "C" = 0.6

SEDIMENT STORAGE = 120 CU. FT. PER ACRE PER YEAR

TOTAL SEDIMENT STORAGE = 120 X 20 = 2400 CU. FT. PER YEAR.



ANNUAL SEDIMENT STORAGE

FIG. 1

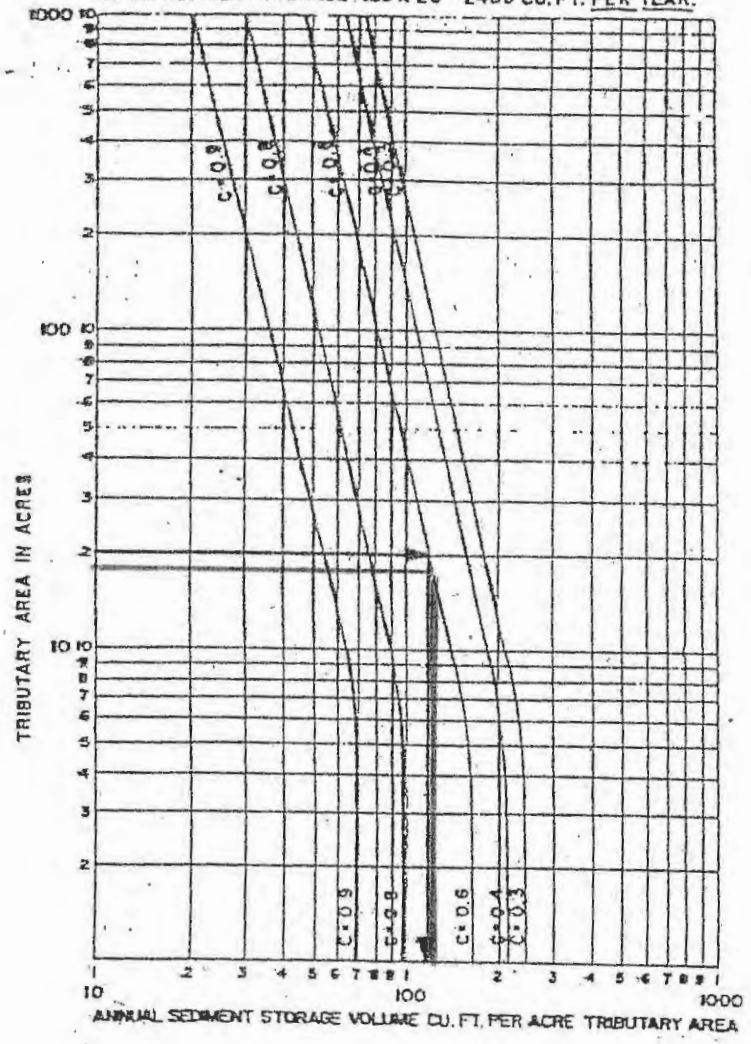
TOTAL SEDIMENT STORAGE = 160 X 10.2 = 1632 CU FT

THE VILLAGES @ SPRINGHURST BASIN #4

CR 67116

2 YEAR SEDIMENT STORAGE REQUIRED

EXAMPLE:
 TRIBUTARY AREA = 20 ACRES
 RATIONAL METHOD RUNOFF COEFFICIENT "C" = 0.6
 SEDIMENT STORAGE = 120 CU. FT. PER ACRE PER YEAR
 TOTAL SEDIMENT STORAGE = 120 X 20 = 2400 CU. FT. PER YEAR.



ANNUAL SEDIMENT STORAGE

FIG. 1

TOTAL SEDIMENT STORAGE = 125 X 18.44 = 2305 CU. FT.

THE VILLAGES @ SPRING HURST BASIN #5

ORIGINAL

2 YEAR SEDIMENT STORAGE REQUIRED

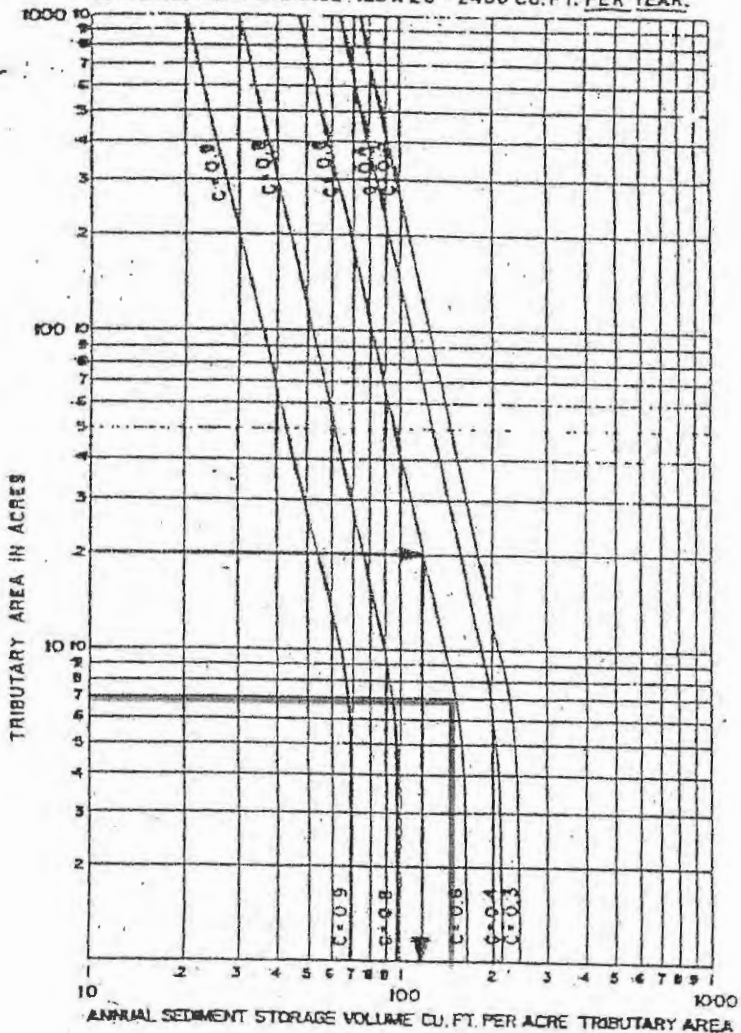
EXAMPLE:

TRIBUTARY AREA = 20 ACRES

RATIONAL METHOD RUNOFF COEFFICIENT "C" = 0.6

SEDIMENT STORAGE = 120 CU. FT. PER ACRE PER YEAR

TOTAL SEDIMENT STORAGE = 120 X 20 = 2400 CU. FT. PER YEAR.



ANNUAL SEDIMENT STORAGE

FIG. 1

TOTAL SEDIMENT STORAGE = 150 X 6.97 = 1046 CU. FT.

POND-2 Version: 5.17
 S/N: 1903000008

VILLAGES @ SPRINGHURST
 DETENTION BASIN #1

CALCULATED 02-28-2005 15:03:01
 DISK FILE: j:\DATA\0312269\BASIN1 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
578.00	7,695.00	7,695	0	0	0
580.00	10,308.00	10,308	26,909	17,939	17,939
582.00	13,331.00	13,331	35,361	23,574	41,514
584.00	16,771.00	16,771	45,054	30,036	71,550
586.00	20,625.00	20,625	55,994	37,330	108,880
588.00	24,912.00	24,912	68,204	45,470	154,349
590.00	29,593.00	29,593	81,657	54,438	208,787
592.00	34,532.00	34,532	96,092	64,062	272,849
594.00	39,790.00	39,790	111,390	74,260	347,109

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

POND-2 Version: 5.17
 S/N: 1903000008

VILLAGES @ SPRINGHURST
 DETENTION BASIN #1

CALCULATED 02-28-2005 15:03:28
 DISK FILE: j:\DATA\0312269\BASIN1 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
578.00	7,695.00	7,695	0	0	0
580.00	10,308.00	10,308	26,909	17,939	17,939
582.00	13,331.00	13,331	35,361	23,574	41,514
584.00	16,771.00	16,771	45,054	30,036	71,550
586.00	20,625.00	20,625	55,994	37,330	108,880
588.00	24,912.00	24,912	68,204	45,470	154,349
590.00	29,593.00	29,593	81,657	54,438	208,787
592.00	34,532.00	34,532	96,092	64,062	272,849
594.00	39,790.00	39,790	111,390	74,260	347,109

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
588.00	0.0	1
588.20	0.6	1
588.40	1.7	1
588.60	3.1	1
588.80	4.7	1
589.00	6.6	1
589.20	8.7	1
589.40	10.9	1
589.60	13.4	1
589.80	15.9	1
590.00	18.7	1
590.20	21.5	1
590.40	24.5	1
590.60	27.7	1
590.80	30.9	1
591.00	34.3	1 +3
591.20	42.9	1 +3
591.40	55.8	1 +3
591.60	71.7	1 +3
591.80	89.8	1 +3
592.00	110.0	1 +3
592.20	132.0	1 +3
592.40	155.7	1 +3
592.60	186.3	2 +4
592.80	202.1	2 +4
593.00	216.6	2 +4
593.20	230.1	2 +4
593.40	242.8	2 +4
593.60	254.9	2 +4
593.80	266.3	2 +4
594.00	277.3	2 +4

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

Outlet Structure File: j:\DATA\0312269\BASIN1A .STR
Planimeter Input File: j:\DATA\0312269\BASIN1 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN1A .PND

Min. Elev.(ft) = 588 Max. Elev.(ft) = 594 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN1A .PND

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	588
E2 elev. (ft)?	592.5
Weir coefficient?	3.3
Weir elev. (ft)?	588
Length (ft)?	2
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	592.5
E2 elev.(ft)?	594.001
Orifice coeff.?	.6
Invert elev.(ft)?	588
Datum elev.(ft) ?	590.25
Orifice area (sq ft)?	9.6

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	591
E2 elev.(ft)?	592.5
Weir coefficient?	3.3
Weir elev.(ft)?	591
Length (ft)?	17.33
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN1A .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE
Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	592.5
E2 elev.(ft)?	594.001
Orifice coeff.?	.6
Invert elev.(ft)?	591
Datum elev.(ft) ?	591.75
Orifice area (sq ft)?	26

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   RETENTION BASIN #1
*
*
*
*
*****
  
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Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1A .PND

----INITIAL CONDITIONS----
 Elevation = 588.00 ft
 Outflow = 0.00 cfs
 Storage = 154,349 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
588.00	0.0	154,349	5145.0	5145.0
588.20	0.6	159,377	5312.6	5313.2
588.40	1.7	164,495	5483.1	5484.8
588.60	3.1	169,703	5656.7	5659.8
588.80	4.7	175,004	5833.5	5838.2
589.00	6.6	180,398	6013.3	6019.9
589.20	8.7	185,886	6196.2	6204.9
589.40	10.9	191,468	6382.3	6393.2
589.60	13.4	197,143	6571.4	6584.8
589.80	15.9	202,917	6763.9	6779.8
590.00	18.7	208,787	6959.6	6978.3
590.20	21.5	214,754	7158.4	7179.9
590.40	24.5	220,816	7360.5	7385.0
590.60	27.7	226,973	7565.7	7593.4
590.80	30.9	233,229	7774.3	7805.2
591.00	34.3	239,583	7986.1	8020.4
591.20	42.9	246,036	8201.2	8244.1
591.40	55.8	252,588	8419.6	8475.4
591.60	71.7	259,239	8641.3	8713.0
591.80	89.8	265,993	8866.4	8956.2
592.00	110.0	272,849	9094.9	9204.9
592.20	132.0	279,806	9326.9	9458.9
592.40	155.7	286,866	9562.2	9717.9
592.60	186.3	294,027	9800.9	9987.2
592.80	202.1	301,293	10043.1	10245.2
593.00	216.6	308,664	10288.8	10505.4
593.20	230.1	316,140	10538.0	10768.1
593.40	242.8	323,722	10790.7	11033.5
593.60	254.9	331,408	11046.9	11301.8
593.80	266.3	339,204	11306.8	11573.1
594.00	277.3	347,109	11570.3	11847.6

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	5145.0	5145.0	0.00	588.00
1.0	4.38	4.4	5149.3	5149.3	0.02	588.01
2.0	13.13	17.5	5166.7	5166.8	0.08	588.03
3.0	17.51	30.6	5196.9	5197.3	0.19	588.06
4.0	21.89	39.4	5235.7	5236.3	0.33	588.11
5.0	26.26	48.2	5282.8	5283.8	0.50	588.17
6.0	35.02	61.3	5342.5	5344.1	0.80	588.24
7.0	39.39	74.4	5414.4	5416.9	1.26	588.32
8.0	43.77	83.2	5494.0	5497.6	1.80	588.41
9.0	43.77	87.5	5576.6	5581.5	2.47	588.51
10.0	43.77	87.5	5657.8	5664.1	3.14	588.60
11.0	43.77	87.5	5737.6	5745.4	3.87	588.70
12.0	43.77	87.5	5816.0	5825.2	4.58	588.79
13.0	43.77	87.5	5892.8	5903.5	5.38	588.87
14.0	43.77	87.5	5967.9	5980.3	6.19	588.96
15.0	43.77	87.5	6041.5	6055.5	7.00	589.04
16.0	43.77	87.5	6113.3	6129.0	7.84	589.12
17.0	43.77	87.5	6183.6	6200.9	8.65	589.20
18.0	43.77	87.5	6252.2	6271.1	9.47	589.27
19.0	43.77	87.5	6319.1	6339.7	10.28	589.34
20.0	43.77	87.5	6384.5	6406.7	11.08	589.41
21.0	39.39	83.2	6443.9	6467.7	11.87	589.48
22.0	35.02	74.4	6493.3	6518.4	12.53	589.53
23.0	26.26	61.3	6528.6	6554.6	13.01	589.57
24.0	21.89	48.2	6550.1	6576.7	13.29	589.59
25.0	17.51	39.4	6562.6	6589.5	13.46	589.60
26.0	13.13	30.6	6566.2	6593.2	13.51	589.61
27.0	4.38	17.5	6557.0	6583.7	13.39	589.60
28.0	0.00	4.4	6535.2	6561.3	13.09	589.58
29.0	0.00	0.0	6509.7	6535.2	12.75	589.55
30.0	0.00	0.0	6484.8	6509.7	12.42	589.52
31.0	0.00	0.0	6460.6	6484.8	12.10	589.50
32.0	0.00	0.0	6437.1	6460.6	11.78	589.47
33.0	0.00	0.0	6414.1	6437.1	11.47	589.45
34.0	0.00	0.0	6391.8	6414.1	11.17	589.42
35.0	0.00	0.0	6370.0	6391.8	10.88	589.40
36.0	0.00	0.0	6348.7	6370.0	10.63	589.38
37.0	0.00	0.0	6328.0	6348.7	10.38	589.35
38.0	0.00	0.0	6307.7	6328.0	10.14	589.33
39.0	0.00	0.0	6287.9	6307.7	9.90	589.31
40.0	0.00	0.0	6268.6	6287.9	9.67	589.29
41.0	0.00	0.0	6249.7	6268.6	9.44	589.27
42.0	0.00	0.0	6231.2	6249.7	9.22	589.25
43.0	0.00	0.0	6213.2	6231.2	9.01	589.23
44.0	0.00	0.0	6195.6	6213.2	8.80	589.21

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	6178.4	6195.6	8.59	589.19
46.0	0.00	0.0	6161.6	6178.4	8.40	589.17
47.0	0.00	0.0	6145.2	6161.6	8.21	589.15
48.0	0.00	0.0	6129.2	6145.2	8.02	589.14
49.0	0.00	0.0	6113.5	6129.2	7.84	589.12
50.0	0.00	0.0	6098.2	6113.5	7.66	589.10
51.0	0.00	0.0	6083.2	6098.2	7.49	589.08
52.0	0.00	0.0	6068.5	6083.2	7.32	589.07
53.0	0.00	0.0	6054.2	6068.5	7.15	589.05
54.0	0.00	0.0	6040.3	6054.2	6.99	589.04
55.0	0.00	0.0	6026.6	6040.3	6.83	589.02
56.0	0.00	0.0	6013.2	6026.6	6.68	589.01
57.0	0.00	0.0	6000.2	6013.2	6.53	588.99
58.0	0.00	0.0	5987.4	6000.2	6.39	588.98
59.0	0.00	0.0	5974.9	5987.4	6.26	588.96
60.0	0.00	0.0	5962.6	5974.9	6.13	588.95
61.0	0.00	0.0	5950.6	5962.6	6.00	588.94
62.0	0.00	0.0	5938.9	5950.6	5.88	588.92
63.0	0.00	0.0	5927.3	5938.9	5.75	588.91
64.0	0.00	0.0	5916.1	5927.3	5.63	588.90
65.0	0.00	0.0	5905.1	5916.1	5.51	588.89
66.0	0.00	0.0	5894.3	5905.1	5.40	588.87
67.0	0.00	0.0	5883.7	5894.3	5.29	588.86
68.0	0.00	0.0	5873.3	5883.7	5.18	588.85
69.0	0.00	0.0	5863.2	5873.3	5.07	588.84
70.0	0.00	0.0	5853.3	5863.2	4.96	588.83
71.0	0.00	0.0	5843.6	5853.3	4.86	588.82
72.0	0.00	0.0	5834.0	5843.6	4.76	588.81
73.0	0.00	0.0	5824.7	5834.0	4.66	588.80
74.0	0.00	0.0	5815.6	5824.7	4.58	588.78
75.0	0.00	0.0	5806.6	5815.6	4.50	588.77
76.0	0.00	0.0	5797.7	5806.6	4.42	588.76
77.0	0.00	0.0	5789.1	5797.7	4.34	588.75
78.0	0.00	0.0	5780.5	5789.1	4.26	588.74
79.0	0.00	0.0	5772.2	5780.5	4.18	588.74
80.0	0.00	0.0	5764.0	5772.2	4.11	588.73
81.0	0.00	0.0	5755.9	5764.0	4.03	588.72
82.0	0.00	0.0	5748.0	5755.9	3.96	588.71
83.0	0.00	0.0	5740.2	5748.0	3.89	588.70
84.0	0.00	0.0	5732.5	5740.2	3.82	588.69
85.0	0.00	0.0	5725.0	5732.5	3.75	588.68
86.0	0.00	0.0	5717.7	5725.0	3.68	588.67
87.0	0.00	0.0	5710.4	5717.7	3.62	588.66
88.0	0.00	0.0	5703.3	5710.4	3.55	588.66
89.0	0.00	0.0	5696.3	5703.3	3.49	588.65
90.0	0.00	0.0	5689.5	5696.3	3.43	588.64

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	5682.8	5689.5	3.37	588.63
92.0	0.00	0.0	5676.1	5682.8	3.31	588.63
93.0	0.00	0.0	5669.6	5676.1	3.25	588.62
94.0	0.00	0.0	5663.3	5669.6	3.19	588.61
95.0	0.00	0.0	5657.0	5663.3	3.13	588.60
96.0	0.00	0.0	5650.9	5657.0	3.08	588.60
97.0	0.00	0.0	5644.8	5650.9	3.03	588.59
98.0	0.00	0.0	5638.8	5644.8	2.98	588.58
99.0	0.00	0.0	5633.0	5638.8	2.93	588.58
100.0	0.00	0.0	5627.2	5633.0	2.89	588.57
101.0	0.00	0.0	5621.5	5627.2	2.84	588.56
102.0	0.00	0.0	5615.9	5621.5	2.79	588.56
103.0	0.00	0.0	5610.4	5615.9	2.75	588.55
104.0	0.00	0.0	5605.0	5610.4	2.70	588.54
105.0	0.00	0.0	5599.7	5605.0	2.66	588.54
106.0	0.00	0.0	5594.5	5599.7	2.62	588.53
107.0	0.00	0.0	5589.3	5594.5	2.58	588.53
108.0	0.00	0.0	5584.3	5589.3	2.54	588.52
109.0	0.00	0.0	5579.3	5584.3	2.50	588.51
110.0	0.00	0.0	5574.3	5579.3	2.46	588.51
111.0	0.00	0.0	5569.5	5574.3	2.42	588.50
112.0	0.00	0.0	5564.8	5569.5	2.38	588.50
113.0	0.00	0.0	5560.1	5564.8	2.34	588.49
114.0	0.00	0.0	5555.5	5560.1	2.30	588.49
115.0	0.00	0.0	5550.9	5555.5	2.27	588.48
116.0	0.00	0.0	5546.5	5550.9	2.23	588.48
117.0	0.00	0.0	5542.1	5546.5	2.19	588.47
118.0	0.00	0.0	5537.8	5542.1	2.16	588.47
119.0	0.00	0.0	5533.5	5537.8	2.12	588.46
120.0	0.00	0.0	5529.4	5533.5	2.09	588.46
121.0	0.00	0.0	5525.3	5529.4	2.06	588.45
122.0	0.00	0.0	5521.2	5525.3	2.02	588.45
123.0	0.00	0.0	5517.2	5521.2	1.99	588.44
124.0	0.00	0.0	5513.3	5517.2	1.96	588.44
125.0	0.00	0.0	5509.4	5513.3	1.93	588.43
126.0	0.00	0.0	5505.7	5509.4	1.90	588.43
127.0	0.00	0.0	5501.9	5505.7	1.87	588.42
128.0	0.00	0.0	5498.3	5501.9	1.84	588.42
129.0	0.00	0.0	5494.6	5498.3	1.81	588.42
130.0	0.00	0.0	5491.1	5494.6	1.78	588.41
131.0	0.00	0.0	5487.6	5491.1	1.75	588.41
132.0	0.00	0.0	5484.1	5487.6	1.72	588.40
133.0	0.00	0.0	5480.7	5484.1	1.70	588.40
134.0	0.00	0.0	5477.4	5480.7	1.67	588.40
135.0	0.00	0.0	5474.1	5477.4	1.65	588.39
136.0	0.00	0.0	5470.8	5474.1	1.63	588.39

and File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	5467.6	5470.8	1.61	588.38
138.0	0.00	0.0	5464.4	5467.6	1.59	588.38
139.0	0.00	0.0	5461.3	5464.4	1.57	588.38
140.0	0.00	0.0	5458.2	5461.3	1.55	588.37
141.0	0.00	0.0	5455.1	5458.2	1.53	588.37
142.0	0.00	0.0	5452.1	5455.1	1.51	588.37
143.0	0.00	0.0	5449.1	5452.1	1.49	588.36
144.0	0.00	0.0	5446.2	5449.1	1.47	588.36
145.0	0.00	0.0	5443.3	5446.2	1.45	588.35
146.0	0.00	0.0	5440.4	5443.3	1.43	588.35
147.0	0.00	0.0	5437.6	5440.4	1.42	588.35
148.0	0.00	0.0	5434.8	5437.6	1.40	588.34
149.0	0.00	0.0	5432.0	5434.8	1.38	588.34
150.0	0.00	0.0	5429.3	5432.0	1.36	588.34
151.0	0.00	0.0	5426.6	5429.3	1.34	588.34
152.0	0.00	0.0	5424.0	5426.6	1.33	588.33
153.0	0.00	0.0	5421.4	5424.0	1.31	588.33
154.0	0.00	0.0	5418.8	5421.4	1.29	588.33
155.0	0.00	0.0	5416.2	5418.8	1.28	588.32
156.0	0.00	0.0	5413.7	5416.2	1.26	588.32
157.0	0.00	0.0	5411.2	5413.7	1.24	588.32
158.0	0.00	0.0	5408.7	5411.2	1.23	588.31
159.0	0.00	0.0	5406.3	5408.7	1.21	588.31
160.0	0.00	0.0	5403.9	5406.3	1.20	588.31
161.0	0.00	0.0	5401.6	5403.9	1.18	588.31
162.0	0.00	0.0	5399.2	5401.6	1.17	588.30
163.0	0.00	0.0	5396.9	5399.2	1.15	588.30
164.0	0.00	0.0	5394.7	5396.9	1.14	588.30
165.0	0.00	0.0	5392.4	5394.7	1.12	588.29
166.0	0.00	0.0	5390.2	5392.4	1.11	588.29
167.0	0.00	0.0	5388.0	5390.2	1.09	588.29
168.0	0.00	0.0	5385.8	5388.0	1.08	588.29
169.0	0.00	0.0	5383.7	5385.8	1.07	588.28
170.0	0.00	0.0	5381.6	5383.7	1.05	588.28
171.0	0.00	0.0	5379.5	5381.6	1.04	588.28
172.0	0.00	0.0	5377.5	5379.5	1.03	588.28
173.0	0.00	0.0	5375.5	5377.5	1.01	588.27
174.0	0.00	0.0	5373.5	5375.5	1.00	588.27
175.0	0.00	0.0	5371.5	5373.5	0.99	588.27
176.0	0.00	0.0	5369.5	5371.5	0.97	588.27
177.0	0.00	0.0	5367.6	5369.5	0.96	588.27
178.0	0.00	0.0	5365.7	5367.6	0.95	588.26
179.0	0.00	0.0	5363.8	5365.7	0.94	588.26
180.0	0.00	0.0	5362.0	5363.8	0.92	588.26
181.0	0.00	0.0	5360.2	5362.0	0.91	588.26
182.0	0.00	0.0	5358.4	5360.2	0.90	588.25

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	5356.6	5358.4	0.89	588.25
184.0	0.00	0.0	5354.8	5356.6	0.88	588.25
185.0	0.00	0.0	5353.1	5354.8	0.87	588.25
186.0	0.00	0.0	5351.4	5353.1	0.86	588.25
187.0	0.00	0.0	5349.7	5351.4	0.84	588.24
188.0	0.00	0.0	5348.0	5349.7	0.83	588.24
189.0	0.00	0.0	5346.4	5348.0	0.82	588.24
190.0	0.00	0.0	5344.8	5346.4	0.81	588.24
191.0	0.00	0.0	5343.2	5344.8	0.80	588.24
192.0	0.00	0.0	5341.6	5343.2	0.79	588.23
193.0	0.00	0.0	5340.0	5341.6	0.78	588.23
194.0	0.00	0.0	5338.5	5340.0	0.77	588.23
195.0	0.00	0.0	5336.9	5338.5	0.76	588.23
196.0	0.00	0.0	5335.4	5336.9	0.75	588.23
197.0	0.00	0.0	5333.9	5335.4	0.74	588.23
198.0	0.00	0.0	5332.5	5333.9	0.73	588.22
199.0	0.00	0.0	5331.0	5332.5	0.72	588.22
200.0	0.00	0.0	5329.6	5331.0	0.71	588.22
201.0	0.00	0.0	5328.2	5329.6	0.71	588.22
202.0	0.00	0.0	5326.8	5328.2	0.70	588.22
203.0	0.00	0.0	5325.4	5326.8	0.69	588.22
204.0	0.00	0.0	5324.1	5325.4	0.68	588.21
205.0	0.00	0.0	5322.7	5324.1	0.67	588.21
206.0	0.00	0.0	5321.4	5322.7	0.66	588.21
207.0	0.00	0.0	5320.1	5321.4	0.65	588.21
208.0	0.00	0.0	5318.8	5320.1	0.64	588.21
209.0	0.00	0.0	5317.5	5318.8	0.64	588.21
210.0	0.00	0.0	5316.3	5317.5	0.63	588.21
211.0	0.00	0.0	5315.0	5316.3	0.62	588.20
212.0	0.00	0.0	5313.8	5315.0	0.61	588.20
213.0	0.00	0.0	5312.6	5313.8	0.60	588.20
214.0	0.00	0.0	5311.4	5312.6	0.60	588.20
215.0	0.00	0.0	5310.2	5311.4	0.59	588.20
216.0	0.00	0.0	5309.0	5310.2	0.59	588.20
217.0	0.00	0.0	5307.9	5309.0	0.59	588.20
218.0	0.00	0.0	5306.7	5307.9	0.58	588.19
219.0	0.00	0.0	5305.6	5306.7	0.58	588.19
220.0	0.00	0.0	5304.4	5305.6	0.57	588.19
221.0	0.00	0.0	5303.3	5304.4	0.57	588.19
222.0	0.00	0.0	5302.1	5303.3	0.56	588.19
223.0	0.00	0.0	5301.0	5302.1	0.56	588.19
224.0	0.00	0.0	5299.9	5301.0	0.56	588.19
225.0	0.00	0.0	5298.8	5299.9	0.55	588.18
226.0	0.00	0.0	5297.7	5298.8	0.55	588.18
227.0	0.00	0.0	5296.6	5297.7	0.54	588.18
228.0	0.00	0.0	5295.5	5296.6	0.54	588.18

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	5294.5	5295.5	0.54	588.18
230.0	0.00	0.0	5293.4	5294.5	0.53	588.18
231.0	0.00	0.0	5292.3	5293.4	0.53	588.18
232.0	0.00	0.0	5291.3	5292.3	0.53	588.18
233.0	0.00	0.0	5290.2	5291.3	0.52	588.17
234.0	0.00	0.0	5289.2	5290.2	0.52	588.17
235.0	0.00	0.0	5288.2	5289.2	0.51	588.17
236.0	0.00	0.0	5287.2	5288.2	0.51	588.17
237.0	0.00	0.0	5286.1	5287.2	0.51	588.17
238.0	0.00	0.0	5285.1	5286.1	0.50	588.17
239.0	0.00	0.0	5284.1	5285.1	0.50	588.17
240.0	0.00	0.0	5283.1	5284.1	0.50	588.17
241.0	0.00	0.0	5282.2	5283.1	0.49	588.16
242.0	0.00	0.0	5281.2	5282.2	0.49	588.16
243.0	0.00	0.0	5280.2	5281.2	0.49	588.16
244.0	0.00	0.0	5279.2	5280.2	0.48	588.16
245.0	0.00	0.0	5278.3	5279.2	0.48	588.16
246.0	0.00	0.0	5277.3	5278.3	0.48	588.16
247.0	0.00	0.0	5276.4	5277.3	0.47	588.16
248.0	0.00	0.0	5275.4	5276.4	0.47	588.16
249.0	0.00	0.0	5274.5	5275.4	0.47	588.16
250.0	0.00	0.0	5273.6	5274.5	0.46	588.15
251.0	0.00	0.0	5272.7	5273.6	0.46	588.15
252.0	0.00	0.0	5271.8	5272.7	0.46	588.15
253.0	0.00	0.0	5270.9	5271.8	0.45	588.15
254.0	0.00	0.0	5270.0	5270.9	0.45	588.15
255.0	0.00	0.0	5269.1	5270.0	0.45	588.15
256.0	0.00	0.0	5268.2	5269.1	0.44	588.15
257.0	0.00	0.0	5267.3	5268.2	0.44	588.15
258.0	0.00	0.0	5266.4	5267.3	0.44	588.15
259.0	0.00	0.0	5265.6	5266.4	0.43	588.14
260.0	0.00	0.0	5264.7	5265.6	0.43	588.14
261.0	0.00	0.0	5263.8	5264.7	0.43	588.14
262.0	0.00	0.0	5263.0	5263.8	0.42	588.14
263.0	0.00	0.0	5262.2	5263.0	0.42	588.14
264.0	0.00	0.0	5261.3	5262.2	0.42	588.14
265.0	0.00	0.0	5260.5	5261.3	0.42	588.14
266.0	0.00	0.0	5259.7	5260.5	0.41	588.14
267.0	0.00	0.0	5258.8	5259.7	0.41	588.14
268.0	0.00	0.0	5258.0	5258.8	0.41	588.14
269.0	0.00	0.0	5257.2	5258.0	0.40	588.13
270.0	0.00	0.0	5256.4	5257.2	0.40	588.13
271.0	0.00	0.0	5255.6	5256.4	0.40	588.13
272.0	0.00	0.0	5254.8	5255.6	0.39	588.13
273.0	0.00	0.0	5254.1	5254.8	0.39	588.13
274.0	0.00	0.0	5253.3	5254.1	0.39	588.13

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	5252.5	5253.3	0.39	588.13
276.0	0.00	0.0	5251.7	5252.5	0.38	588.13
277.0	0.00	0.0	5251.0	5251.7	0.38	588.13
278.0	0.00	0.0	5250.2	5251.0	0.38	588.13
279.0	0.00	0.0	5249.5	5250.2	0.38	588.13
280.0	0.00	0.0	5248.7	5249.5	0.37	588.12
281.0	0.00	0.0	5248.0	5248.7	0.37	588.12
282.0	0.00	0.0	5247.3	5248.0	0.37	588.12
283.0	0.00	0.0	5246.5	5247.3	0.36	588.12
284.0	0.00	0.0	5245.8	5246.5	0.36	588.12
285.0	0.00	0.0	5245.1	5245.8	0.36	588.12
286.0	0.00	0.0	5244.4	5245.1	0.36	588.12
287.0	0.00	0.0	5243.7	5244.4	0.35	588.12
288.0	0.00	0.0	5242.9	5243.7	0.35	588.12
289.0	0.00	0.0	5242.2	5242.9	0.35	588.12
290.0	0.00	0.0	5241.6	5242.2	0.35	588.12
291.0	0.00	0.0	5240.9	5241.6	0.34	588.11
292.0	0.00	0.0	5240.2	5240.9	0.34	588.11
293.0	0.00	0.0	5239.5	5240.2	0.34	588.11
294.0	0.00	0.0	5238.8	5239.5	0.34	588.11
295.0	0.00	0.0	5238.2	5238.8	0.33	588.11
296.0	0.00	0.0	5237.5	5238.2	0.33	588.11
297.0	0.00	0.0	5236.8	5237.5	0.33	588.11
298.0	0.00	0.0	5236.2	5236.8	0.33	588.11
299.0	0.00	0.0	5235.5	5236.2	0.33	588.11
300.0	0.00	0.0	5234.9	5235.5	0.32	588.11
301.0	0.00	0.0	5234.2	5234.9	0.32	588.11
302.0	0.00	0.0	5233.6	5234.2	0.32	588.11
303.0	0.00	0.0	5233.0	5233.6	0.32	588.11

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1A .PND
Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

Starting Pond W.S. Elevation = 588.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 43.77 cfs
Peak Outflow = 13.51 cfs
Peak Elevation = 589.61 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 154,349 cu-ft
Peak Storage From Storm = 43,044 cu-ft

Total Storage in Pond = 197,393 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   RETENTION BASIN #1          *
*
*
*
*
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*****
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Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1A .PND

----INITIAL CONDITIONS----
 Elevation = 588.00 ft
 Outflow = 0.00 cfs
 Storage = 154,349 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
588.00	0.0	154,349	5145.0	5145.0
588.20	0.6	159,377	5312.6	5313.2
588.40	1.7	164,495	5483.1	5484.8
588.60	3.1	169,703	5656.7	5659.8
588.80	4.7	175,004	5833.5	5838.2
589.00	6.6	180,398	6013.3	6019.9
589.20	8.7	185,886	6196.2	6204.9
589.40	10.9	191,468	6382.3	6393.2
589.60	13.4	197,143	6571.4	6584.8
589.80	15.9	202,917	6763.9	6779.8
590.00	18.7	208,787	6959.6	6978.3
590.20	21.5	214,754	7158.4	7179.9
590.40	24.5	220,816	7360.5	7385.0
590.60	27.7	226,973	7565.7	7593.4
590.80	30.9	233,229	7774.3	7805.2
591.00	34.3	239,583	7986.1	8020.4
591.20	42.9	246,036	8201.2	8244.1
591.40	55.8	252,588	8419.6	8475.4
591.60	71.7	259,239	8641.3	8713.0
591.80	89.8	265,993	8866.4	8956.2
592.00	110.0	272,849	9094.9	9204.9
592.20	132.0	279,806	9326.9	9458.9
592.40	155.7	286,866	9562.2	9717.9
592.60	186.3	294,027	9800.9	9987.2
592.80	202.1	301,293	10043.1	10245.2
593.00	216.6	308,664	10288.8	10505.4
593.20	230.1	316,140	10538.0	10768.1
593.40	242.8	323,722	10790.7	11033.5
593.60	254.9	331,408	11046.9	11301.8
593.80	266.3	339,204	11306.8	11573.1
594.00	277.3	347,109	11570.3	11847.6

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	5145.0	5145.0	0.00	588.00
1.0	7.14	7.1	5152.1	5152.1	0.03	588.01
2.0	21.41	28.6	5180.3	5180.6	0.13	588.04
3.0	28.55	50.0	5229.7	5230.3	0.30	588.10
4.0	35.69	64.2	5292.9	5293.9	0.53	588.18
5.0	42.82	78.5	5369.4	5371.4	0.97	588.27
6.0	57.10	99.9	5466.2	5469.4	1.60	588.38
7.0	64.23	121.3	5582.4	5587.5	2.52	588.52
8.0	71.37	135.6	5710.8	5718.0	3.62	588.67
9.0	71.37	142.7	5843.8	5853.5	4.86	588.82
10.0	71.37	142.7	5974.1	5986.6	6.25	588.96
11.0	71.37	142.7	6101.4	6116.8	7.70	589.10
12.0	71.37	142.7	6225.8	6244.1	9.16	589.24
13.0	71.37	142.7	6347.3	6368.6	10.61	589.37
14.0	71.37	142.7	6465.7	6490.1	12.16	589.50
15.0	71.37	142.7	6581.1	6608.5	13.70	589.62
16.0	71.37	142.7	6693.5	6723.8	15.18	589.74
17.0	71.37	142.7	6802.8	6836.2	16.70	589.86
18.0	71.37	142.7	6909.1	6945.5	18.24	589.97
19.0	71.37	142.7	7012.4	7051.8	19.72	590.07
20.0	71.37	142.7	7112.8	7155.1	21.16	590.18
21.0	64.23	135.6	7203.4	7248.4	22.50	590.27
22.0	57.10	121.3	7277.5	7324.7	23.62	590.34
23.0	42.82	99.9	7328.6	7377.4	24.39	590.39
24.0	35.69	78.5	7357.5	7407.1	24.84	590.42
25.0	28.55	64.2	7371.6	7421.7	25.06	590.44
26.0	21.41	50.0	7371.4	7421.5	25.06	590.44
27.0	7.14	28.6	7350.5	7400.0	24.73	590.41
28.0	0.00	7.1	7309.4	7357.6	24.10	590.37
29.0	0.00	0.0	7262.7	7309.4	23.39	590.33
30.0	0.00	0.0	7217.2	7262.7	22.71	590.28
31.0	0.00	0.0	7173.1	7217.2	22.05	590.24
32.0	0.00	0.0	7130.3	7173.1	21.41	590.19
33.0	0.00	0.0	7088.7	7130.3	20.81	590.15
34.0	0.00	0.0	7048.2	7088.7	20.23	590.11
35.0	0.00	0.0	7008.9	7048.2	19.67	590.07
36.0	0.00	0.0	6970.6	7008.9	19.13	590.03
37.0	0.00	0.0	6933.5	6970.6	18.59	589.99
38.0	0.00	0.0	6897.3	6933.5	18.07	589.95
39.0	0.00	0.0	6862.2	6897.3	17.56	589.92
40.0	0.00	0.0	6828.1	6862.2	17.06	589.88
41.0	0.00	0.0	6794.9	6828.1	16.58	589.85
42.0	0.00	0.0	6762.7	6794.9	16.11	589.82
43.0	0.00	0.0	6731.3	6762.7	15.68	589.78
44.0	0.00	0.0	6700.8	6731.3	15.28	589.75

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	6671.0	6700.8	14.89	589.72
46.0	0.00	0.0	6642.0	6671.0	14.51	589.69
47.0	0.00	0.0	6613.7	6642.0	14.13	589.66
48.0	0.00	0.0	6586.2	6613.7	13.77	589.63
49.0	0.00	0.0	6559.4	6586.2	13.42	589.60
50.0	0.00	0.0	6533.2	6559.4	13.07	589.57
51.0	0.00	0.0	6507.8	6533.2	12.73	589.55
52.0	0.00	0.0	6483.0	6507.8	12.39	589.52
53.0	0.00	0.0	6458.8	6483.0	12.07	589.49
54.0	0.00	0.0	6435.3	6458.8	11.76	589.47
55.0	0.00	0.0	6412.4	6435.3	11.45	589.44
56.0	0.00	0.0	6390.1	6412.4	11.15	589.42
57.0	0.00	0.0	6368.4	6390.1	10.86	589.40
58.0	0.00	0.0	6347.2	6368.4	10.61	589.37
59.0	0.00	0.0	6326.4	6347.2	10.36	589.35
60.0	0.00	0.0	6306.2	6326.4	10.12	589.33
61.0	0.00	0.0	6286.4	6306.2	9.88	589.31
62.0	0.00	0.0	6267.1	6286.4	9.65	589.29
63.0	0.00	0.0	6248.3	6267.1	9.43	589.27
64.0	0.00	0.0	6229.9	6248.3	9.21	589.25
65.0	0.00	0.0	6211.9	6229.9	8.99	589.23
66.0	0.00	0.0	6194.3	6211.9	8.78	589.21
67.0	0.00	0.0	6177.1	6194.3	8.58	589.19
68.0	0.00	0.0	6160.4	6177.1	8.39	589.17
69.0	0.00	0.0	6144.0	6160.4	8.19	589.15
70.0	0.00	0.0	6128.0	6144.0	8.01	589.13
71.0	0.00	0.0	6112.3	6128.0	7.83	589.12
72.0	0.00	0.0	6097.0	6112.3	7.65	589.10
73.0	0.00	0.0	6082.1	6097.0	7.48	589.08
74.0	0.00	0.0	6067.5	6082.1	7.31	589.07
75.0	0.00	0.0	6053.2	6067.5	7.14	589.05
76.0	0.00	0.0	6039.2	6053.2	6.98	589.04
77.0	0.00	0.0	6025.6	6039.2	6.82	589.02
78.0	0.00	0.0	6012.2	6025.6	6.66	589.01
79.0	0.00	0.0	5999.2	6012.2	6.52	588.99
80.0	0.00	0.0	5986.4	5999.2	6.38	588.98
81.0	0.00	0.0	5973.9	5986.4	6.25	588.96
82.0	0.00	0.0	5961.7	5973.9	6.12	588.95
83.0	0.00	0.0	5949.7	5961.7	5.99	588.94
84.0	0.00	0.0	5938.0	5949.7	5.87	588.92
85.0	0.00	0.0	5926.5	5938.0	5.74	588.91
86.0	0.00	0.0	5915.2	5926.5	5.62	588.90
87.0	0.00	0.0	5904.2	5915.2	5.51	588.88
88.0	0.00	0.0	5893.5	5904.2	5.39	588.87
89.0	0.00	0.0	5882.9	5893.5	5.28	588.86
90.0	0.00	0.0	5872.6	5882.9	5.17	588.85

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	5862.4	5872.6	5.06	588.84
92.0	0.00	0.0	5852.5	5862.4	4.95	588.83
93.0	0.00	0.0	5842.8	5852.5	4.85	588.82
94.0	0.00	0.0	5833.3	5842.8	4.75	588.81
95.0	0.00	0.0	5824.0	5833.3	4.66	588.79
96.0	0.00	0.0	5814.9	5824.0	4.57	588.78
97.0	0.00	0.0	5805.9	5814.9	4.49	588.77
98.0	0.00	0.0	5797.1	5805.9	4.41	588.76
99.0	0.00	0.0	5788.4	5797.1	4.33	588.75
100.0	0.00	0.0	5779.9	5788.4	4.25	588.74
101.0	0.00	0.0	5771.5	5779.9	4.18	588.73
102.0	0.00	0.0	5763.3	5771.5	4.10	588.73
103.0	0.00	0.0	5755.3	5763.3	4.03	588.72
104.0	0.00	0.0	5747.4	5755.3	3.96	588.71
105.0	0.00	0.0	5739.6	5747.4	3.89	588.70
106.0	0.00	0.0	5732.0	5739.6	3.82	588.69
107.0	0.00	0.0	5724.5	5732.0	3.75	588.68
108.0	0.00	0.0	5717.1	5724.5	3.68	588.67
109.0	0.00	0.0	5709.9	5717.1	3.61	588.66
110.0	0.00	0.0	5702.8	5709.9	3.55	588.66
111.0	0.00	0.0	5695.8	5702.8	3.49	588.65
112.0	0.00	0.0	5689.0	5695.8	3.42	588.64
113.0	0.00	0.0	5682.3	5689.0	3.36	588.63
114.0	0.00	0.0	5675.6	5682.3	3.30	588.63
115.0	0.00	0.0	5669.2	5675.6	3.24	588.62
116.0	0.00	0.0	5662.8	5669.2	3.18	588.61
117.0	0.00	0.0	5656.5	5662.8	3.13	588.60
118.0	0.00	0.0	5650.4	5656.5	3.07	588.60
119.0	0.00	0.0	5644.3	5650.4	3.02	588.59
120.0	0.00	0.0	5638.4	5644.3	2.98	588.58
121.0	0.00	0.0	5632.5	5638.4	2.93	588.58
122.0	0.00	0.0	5626.8	5632.5	2.88	588.57
123.0	0.00	0.0	5621.1	5626.8	2.84	588.56
124.0	0.00	0.0	5615.5	5621.1	2.79	588.56
125.0	0.00	0.0	5610.0	5615.5	2.75	588.55
126.0	0.00	0.0	5604.6	5610.0	2.70	588.54
127.0	0.00	0.0	5599.3	5604.6	2.66	588.54
128.0	0.00	0.0	5594.1	5599.3	2.62	588.53
129.0	0.00	0.0	5588.9	5594.1	2.57	588.52
130.0	0.00	0.0	5583.9	5588.9	2.53	588.52
131.0	0.00	0.0	5578.9	5583.9	2.49	588.51
132.0	0.00	0.0	5574.0	5578.9	2.45	588.51
133.0	0.00	0.0	5569.2	5574.0	2.41	588.50
134.0	0.00	0.0	5564.4	5569.2	2.37	588.50
135.0	0.00	0.0	5559.7	5564.4	2.34	588.49
136.0	0.00	0.0	5555.1	5559.7	2.30	588.49

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	5550.6	5555.1	2.26	588.48
138.0	0.00	0.0	5546.2	5550.6	2.23	588.48
139.0	0.00	0.0	5541.8	5546.2	2.19	588.47
140.0	0.00	0.0	5537.5	5541.8	2.16	588.47
141.0	0.00	0.0	5533.2	5537.5	2.12	588.46
142.0	0.00	0.0	5529.1	5533.2	2.09	588.46
143.0	0.00	0.0	5524.9	5529.1	2.05	588.45
144.0	0.00	0.0	5520.9	5524.9	2.02	588.45
145.0	0.00	0.0	5516.9	5520.9	1.99	588.44
146.0	0.00	0.0	5513.0	5516.9	1.96	588.44
147.0	0.00	0.0	5509.2	5513.0	1.93	588.43
148.0	0.00	0.0	5505.4	5509.2	1.89	588.43
149.0	0.00	0.0	5501.6	5505.4	1.86	588.42
150.0	0.00	0.0	5498.0	5501.6	1.83	588.42
151.0	0.00	0.0	5494.4	5498.0	1.81	588.42
152.0	0.00	0.0	5490.8	5494.4	1.78	588.41
153.0	0.00	0.0	5487.3	5490.8	1.75	588.41
154.0	0.00	0.0	5483.9	5487.3	1.72	588.40
155.0	0.00	0.0	5480.5	5483.9	1.69	588.40
156.0	0.00	0.0	5477.1	5480.5	1.67	588.39
157.0	0.00	0.0	5473.8	5477.1	1.65	588.39
158.0	0.00	0.0	5470.6	5473.8	1.63	588.39
159.0	0.00	0.0	5467.4	5470.6	1.61	588.38
160.0	0.00	0.0	5464.2	5467.4	1.59	588.38
161.0	0.00	0.0	5461.1	5464.2	1.57	588.38
162.0	0.00	0.0	5458.0	5461.1	1.55	588.37
163.0	0.00	0.0	5454.9	5458.0	1.53	588.37
164.0	0.00	0.0	5451.9	5454.9	1.51	588.37
165.0	0.00	0.0	5448.9	5451.9	1.49	588.36
166.0	0.00	0.0	5446.0	5448.9	1.47	588.36
167.0	0.00	0.0	5443.1	5446.0	1.45	588.35
168.0	0.00	0.0	5440.2	5443.1	1.43	588.35
169.0	0.00	0.0	5437.4	5440.2	1.41	588.35
170.0	0.00	0.0	5434.6	5437.4	1.40	588.34
171.0	0.00	0.0	5431.8	5434.6	1.38	588.34
172.0	0.00	0.0	5429.1	5431.8	1.36	588.34
173.0	0.00	0.0	5426.4	5429.1	1.34	588.34
174.0	0.00	0.0	5423.8	5426.4	1.33	588.33
175.0	0.00	0.0	5421.2	5423.8	1.31	588.33
176.0	0.00	0.0	5418.6	5421.2	1.29	588.33
177.0	0.00	0.0	5416.0	5418.6	1.28	588.32
178.0	0.00	0.0	5413.5	5416.0	1.26	588.32
179.0	0.00	0.0	5411.0	5413.5	1.24	588.32
180.0	0.00	0.0	5408.6	5411.0	1.23	588.31
181.0	0.00	0.0	5406.1	5408.6	1.21	588.31
182.0	0.00	0.0	5403.7	5406.1	1.20	588.31

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	5401.4	5403.7	1.18	588.31
184.0	0.00	0.0	5399.1	5401.4	1.17	588.30
185.0	0.00	0.0	5396.8	5399.1	1.15	588.30
186.0	0.00	0.0	5394.5	5396.8	1.14	588.30
187.0	0.00	0.0	5392.2	5394.5	1.12	588.29
188.0	0.00	0.0	5390.0	5392.2	1.11	588.29
189.0	0.00	0.0	5387.8	5390.0	1.09	588.29
190.0	0.00	0.0	5385.7	5387.8	1.08	588.29
191.0	0.00	0.0	5383.6	5385.7	1.06	588.28
192.0	0.00	0.0	5381.5	5383.6	1.05	588.28
193.0	0.00	0.0	5379.4	5381.5	1.04	588.28
194.0	0.00	0.0	5377.3	5379.4	1.02	588.28
195.0	0.00	0.0	5375.3	5377.3	1.01	588.27
196.0	0.00	0.0	5373.3	5375.3	1.00	588.27
197.0	0.00	0.0	5371.3	5373.3	0.99	588.27
198.0	0.00	0.0	5369.4	5371.3	0.97	588.27
199.0	0.00	0.0	5367.5	5369.4	0.96	588.27
200.0	0.00	0.0	5365.6	5367.5	0.95	588.26
201.0	0.00	0.0	5363.7	5365.6	0.94	588.26
202.0	0.00	0.0	5361.9	5363.7	0.92	588.26
203.0	0.00	0.0	5360.0	5361.9	0.91	588.26
204.0	0.00	0.0	5358.2	5360.0	0.90	588.25
205.0	0.00	0.0	5356.5	5358.2	0.89	588.25
206.0	0.00	0.0	5354.7	5356.5	0.88	588.25
207.0	0.00	0.0	5353.0	5354.7	0.87	588.25
208.0	0.00	0.0	5351.3	5353.0	0.86	588.25
209.0	0.00	0.0	5349.6	5351.3	0.84	588.24
210.0	0.00	0.0	5347.9	5349.6	0.83	588.24
211.0	0.00	0.0	5346.3	5347.9	0.82	588.24
212.0	0.00	0.0	5344.6	5346.3	0.81	588.24
213.0	0.00	0.0	5343.0	5344.6	0.80	588.24
214.0	0.00	0.0	5341.5	5343.0	0.79	588.23
215.0	0.00	0.0	5339.9	5341.5	0.78	588.23
216.0	0.00	0.0	5338.3	5339.9	0.77	588.23
217.0	0.00	0.0	5336.8	5338.3	0.76	588.23
218.0	0.00	0.0	5335.3	5336.8	0.75	588.23
219.0	0.00	0.0	5333.8	5335.3	0.74	588.23
220.0	0.00	0.0	5332.4	5333.8	0.73	588.22
221.0	0.00	0.0	5330.9	5332.4	0.72	588.22
222.0	0.00	0.0	5329.5	5330.9	0.71	588.22
223.0	0.00	0.0	5328.1	5329.5	0.70	588.22
224.0	0.00	0.0	5326.7	5328.1	0.70	588.22
225.0	0.00	0.0	5325.3	5326.7	0.69	588.22
226.0	0.00	0.0	5324.0	5325.3	0.68	588.21
227.0	0.00	0.0	5322.6	5324.0	0.67	588.21
228.0	0.00	0.0	5321.3	5322.6	0.66	588.21

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	5320.0	5321.3	0.65	588.21
230.0	0.00	0.0	5318.7	5320.0	0.64	588.21
231.0	0.00	0.0	5317.4	5318.7	0.64	588.21
232.0	0.00	0.0	5316.2	5317.4	0.63	588.20
233.0	0.00	0.0	5314.9	5316.2	0.62	588.20
234.0	0.00	0.0	5313.7	5314.9	0.61	588.20
235.0	0.00	0.0	5312.5	5313.7	0.60	588.20
236.0	0.00	0.0	5311.3	5312.5	0.60	588.20
237.0	0.00	0.0	5310.1	5311.3	0.59	588.20
238.0	0.00	0.0	5309.0	5310.1	0.59	588.20
239.0	0.00	0.0	5307.8	5309.0	0.59	588.20
240.0	0.00	0.0	5306.6	5307.8	0.58	588.19
241.0	0.00	0.0	5305.5	5306.6	0.58	588.19
242.0	0.00	0.0	5304.3	5305.5	0.57	588.19
243.0	0.00	0.0	5303.2	5304.3	0.57	588.19
244.0	0.00	0.0	5302.1	5303.2	0.56	588.19
245.0	0.00	0.0	5300.9	5302.1	0.56	588.19
246.0	0.00	0.0	5299.8	5300.9	0.56	588.19
247.0	0.00	0.0	5298.7	5299.8	0.55	588.18
248.0	0.00	0.0	5297.6	5298.7	0.55	588.18
249.0	0.00	0.0	5296.5	5297.6	0.54	588.18
250.0	0.00	0.0	5295.5	5296.5	0.54	588.18
251.0	0.00	0.0	5294.4	5295.5	0.54	588.18
252.0	0.00	0.0	5293.3	5294.4	0.53	588.18
253.0	0.00	0.0	5292.3	5293.3	0.53	588.18
254.0	0.00	0.0	5291.2	5292.3	0.53	588.18
255.0	0.00	0.0	5290.2	5291.2	0.52	588.17
256.0	0.00	0.0	5289.1	5290.2	0.52	588.17
257.0	0.00	0.0	5288.1	5289.1	0.51	588.17
258.0	0.00	0.0	5287.1	5288.1	0.51	588.17
259.0	0.00	0.0	5286.1	5287.1	0.51	588.17
260.0	0.00	0.0	5285.1	5286.1	0.50	588.17
261.0	0.00	0.0	5284.1	5285.1	0.50	588.17
262.0	0.00	0.0	5283.1	5284.1	0.50	588.17
263.0	0.00	0.0	5282.1	5283.1	0.49	588.16
264.0	0.00	0.0	5281.1	5282.1	0.49	588.16
265.0	0.00	0.0	5280.1	5281.1	0.49	588.16
266.0	0.00	0.0	5279.2	5280.1	0.48	588.16
267.0	0.00	0.0	5278.2	5279.2	0.48	588.16
268.0	0.00	0.0	5277.3	5278.2	0.48	588.16
269.0	0.00	0.0	5276.3	5277.3	0.47	588.16
270.0	0.00	0.0	5275.4	5276.3	0.47	588.16
271.0	0.00	0.0	5274.4	5275.4	0.47	588.16
272.0	0.00	0.0	5273.5	5274.4	0.46	588.15
273.0	0.00	0.0	5272.6	5273.5	0.46	588.15
274.0	0.00	0.0	5271.7	5272.6	0.46	588.15

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	5270.8	5271.7	0.45	588.15
276.0	0.00	0.0	5269.9	5270.8	0.45	588.15
277.0	0.00	0.0	5269.0	5269.9	0.45	588.15
278.0	0.00	0.0	5268.1	5269.0	0.44	588.15
279.0	0.00	0.0	5267.2	5268.1	0.44	588.15
280.0	0.00	0.0	5266.4	5267.2	0.44	588.15
281.0	0.00	0.0	5265.5	5266.4	0.43	588.14
282.0	0.00	0.0	5264.6	5265.5	0.43	588.14
283.0	0.00	0.0	5263.8	5264.6	0.43	588.14
284.0	0.00	0.0	5262.9	5263.8	0.42	588.14
285.0	0.00	0.0	5262.1	5262.9	0.42	588.14
286.0	0.00	0.0	5261.3	5262.1	0.42	588.14
287.0	0.00	0.0	5260.4	5261.3	0.41	588.14
288.0	0.00	0.0	5259.6	5260.4	0.41	588.14
289.0	0.00	0.0	5258.8	5259.6	0.41	588.14
290.0	0.00	0.0	5258.0	5258.8	0.41	588.14
291.0	0.00	0.0	5257.2	5258.0	0.40	588.13
292.0	0.00	0.0	5256.4	5257.2	0.40	588.13
293.0	0.00	0.0	5255.6	5256.4	0.40	588.13
294.0	0.00	0.0	5254.8	5255.6	0.39	588.13
295.0	0.00	0.0	5254.0	5254.8	0.39	588.13
296.0	0.00	0.0	5253.2	5254.0	0.39	588.13
297.0	0.00	0.0	5252.5	5253.2	0.39	588.13
298.0	0.00	0.0	5251.7	5252.5	0.38	588.13
299.0	0.00	0.0	5250.9	5251.7	0.38	588.13
300.0	0.00	0.0	5250.2	5250.9	0.38	588.13
301.0	0.00	0.0	5249.4	5250.2	0.38	588.13
302.0	0.00	0.0	5248.7	5249.4	0.37	588.12
303.0	0.00	0.0	5247.9	5248.7	0.37	588.12

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1A .PND
Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

Starting Pond W.S. Elevation = 588.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 71.37 cfs
Peak Outflow = 25.06 cfs
Peak Elevation = 590.44 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 154,349 cu-ft
Peak Storage From Storm = 67,550 cu-ft

Total Storage in Pond = 221,899 cu-ft

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*
* THE VILLAGES @ SPRINGHURST *
* RETENTION BASIN #1 *
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Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1A .PND

----INITIAL CONDITIONS----
 Elevation = 588.00 ft
 Outflow = 0.00 cfs
 Storage = 154,349 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
588.00	0.0	154,349	5145.0	5145.0
588.20	0.6	159,377	5312.6	5313.2
588.40	1.7	164,495	5483.1	5484.8
588.60	3.1	169,703	5656.7	5659.8
588.80	4.7	175,004	5833.5	5838.2
589.00	6.6	180,398	6013.3	6019.9
589.20	8.7	185,886	6196.2	6204.9
589.40	10.9	191,468	6382.3	6393.2
589.60	13.4	197,143	6571.4	6584.8
589.80	15.9	202,917	6763.9	6779.8
590.00	18.7	208,787	6959.6	6978.3
590.20	21.5	214,754	7158.4	7179.9
590.40	24.5	220,816	7360.5	7385.0
590.60	27.7	226,973	7565.7	7593.4
590.80	30.9	233,229	7774.3	7805.2
591.00	34.3	239,583	7986.1	8020.4
591.20	42.9	246,036	8201.2	8244.1
591.40	55.8	252,588	8419.6	8475.4
591.60	71.7	259,239	8641.3	8713.0
591.80	89.8	265,993	8866.4	8956.2
592.00	110.0	272,849	9094.9	9204.9
592.20	132.0	279,806	9326.9	9458.9
592.40	155.7	286,866	9562.2	9717.9
592.60	186.3	294,027	9800.9	9987.2
592.80	202.1	301,293	10043.1	10245.2
593.00	216.6	308,664	10288.8	10505.4
593.20	230.1	316,140	10538.0	10768.1
593.40	242.8	323,722	10790.7	11033.5
593.60	254.9	331,408	11046.9	11301.8
593.80	266.3	339,204	11306.8	11573.1
594.00	277.3	347,109	11570.3	11847.6

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	5145.0	5145.0	0.00	588.00
1.0	8.80	8.8	5153.7	5153.8	0.03	588.01
2.0	26.41	35.2	5188.6	5188.9	0.16	588.05
3.0	35.21	61.6	5249.5	5250.2	0.38	588.13
4.0	44.01	79.2	5327.3	5328.7	0.70	588.22
5.0	52.81	96.8	5421.5	5424.1	1.31	588.33
6.0	70.42	123.2	5540.4	5544.7	2.18	588.47
7.0	79.22	149.6	5683.3	5690.0	3.37	588.63
8.0	88.02	167.2	5840.8	5850.5	4.83	588.81
9.0	88.02	176.0	6003.7	6016.9	6.57	589.00
10.0	88.02	176.0	6163.0	6179.8	8.42	589.17
11.0	88.02	176.0	6318.5	6339.0	10.27	589.34
12.0	88.02	176.0	6470.1	6494.5	12.22	589.51
13.0	88.02	176.0	6617.7	6646.1	14.19	589.66
14.0	88.02	176.0	6761.6	6793.8	16.10	589.81
15.0	88.02	176.0	6901.4	6937.6	18.13	589.96
16.0	88.02	176.0	7037.2	7077.4	20.08	590.10
17.0	88.02	176.0	7169.3	7213.3	21.99	590.23
18.0	88.02	176.0	7297.5	7345.3	23.92	590.36
19.0	88.02	176.0	7421.8	7473.5	25.86	590.48
20.0	88.02	176.0	7542.3	7597.9	27.77	590.60
21.0	79.22	167.2	7650.7	7709.6	29.46	590.71
22.0	70.42	149.6	7738.7	7800.3	30.83	590.80
23.0	52.81	123.2	7798.3	7861.9	31.80	590.85
24.0	44.01	96.8	7830.5	7895.1	32.32	590.88
25.0	35.21	79.2	7844.6	7909.7	32.55	590.90
26.0	26.41	61.6	7841.2	7906.2	32.50	590.89
27.0	8.80	35.2	7812.4	7876.4	32.03	590.87
28.0	0.00	8.8	7758.9	7821.2	31.15	590.81
29.0	0.00	0.0	7698.5	7758.9	30.20	590.76
30.0	0.00	0.0	7639.9	7698.5	29.29	590.70
31.0	0.00	0.0	7583.1	7639.9	28.40	590.64
32.0	0.00	0.0	7528.0	7583.1	27.54	590.59
33.0	0.00	0.0	7474.6	7528.0	26.70	590.54
34.0	0.00	0.0	7422.9	7474.6	25.88	590.49
35.0	0.00	0.0	7372.7	7422.9	25.08	590.44
36.0	0.00	0.0	7324.1	7372.7	24.32	590.39
37.0	0.00	0.0	7276.8	7324.1	23.61	590.34
38.0	0.00	0.0	7231.0	7276.8	22.92	590.29
39.0	0.00	0.0	7186.5	7231.0	22.25	590.25
40.0	0.00	0.0	7143.3	7186.5	21.60	590.21
41.0	0.00	0.0	7101.3	7143.3	20.99	590.16
42.0	0.00	0.0	7060.5	7101.3	20.41	590.12
43.0	0.00	0.0	7020.8	7060.5	19.84	590.08
44.0	0.00	0.0	6982.3	7020.8	19.29	590.04

and File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	6944.7	6982.3	18.76	590.00
46.0	0.00	0.0	6908.3	6944.7	18.23	589.97
47.0	0.00	0.0	6872.9	6908.3	17.71	589.93
48.0	0.00	0.0	6838.4	6872.9	17.21	589.89
49.0	0.00	0.0	6805.0	6838.4	16.73	589.86
50.0	0.00	0.0	6772.5	6805.0	16.26	589.83
51.0	0.00	0.0	6740.9	6772.5	15.81	589.79
52.0	0.00	0.0	6710.1	6740.9	15.40	589.76
53.0	0.00	0.0	6680.0	6710.1	15.01	589.73
54.0	0.00	0.0	6650.8	6680.0	14.62	589.70
55.0	0.00	0.0	6622.3	6650.8	14.25	589.67
56.0	0.00	0.0	6594.6	6622.3	13.88	589.64
57.0	0.00	0.0	6567.5	6594.6	13.52	589.61
58.0	0.00	0.0	6541.2	6567.5	13.17	589.58
59.0	0.00	0.0	6515.5	6541.2	12.83	589.55
60.0	0.00	0.0	6490.5	6515.5	12.50	589.53
61.0	0.00	0.0	6466.2	6490.5	12.17	589.50
62.0	0.00	0.0	6442.5	6466.2	11.85	589.48
63.0	0.00	0.0	6419.4	6442.5	11.54	589.45
64.0	0.00	0.0	6396.9	6419.4	11.24	589.43
65.0	0.00	0.0	6375.0	6396.9	10.95	589.40
66.0	0.00	0.0	6353.6	6375.0	10.69	589.38
67.0	0.00	0.0	6332.7	6353.6	10.44	589.36
68.0	0.00	0.0	6312.4	6332.7	10.19	589.34
69.0	0.00	0.0	6292.4	6312.4	9.96	589.31
70.0	0.00	0.0	6273.0	6292.4	9.72	589.29
71.0	0.00	0.0	6254.0	6273.0	9.50	589.27
72.0	0.00	0.0	6235.5	6254.0	9.27	589.25
73.0	0.00	0.0	6217.3	6235.5	9.06	589.23
74.0	0.00	0.0	6199.6	6217.3	8.85	589.21
75.0	0.00	0.0	6182.4	6199.6	8.64	589.19
76.0	0.00	0.0	6165.5	6182.4	8.44	589.18
77.0	0.00	0.0	6149.0	6165.5	8.25	589.16
78.0	0.00	0.0	6132.8	6149.0	8.07	589.14
79.0	0.00	0.0	6117.1	6132.8	7.88	589.12
80.0	0.00	0.0	6101.7	6117.1	7.70	589.11
81.0	0.00	0.0	6086.6	6101.7	7.53	589.09
82.0	0.00	0.0	6071.9	6086.6	7.36	589.07
83.0	0.00	0.0	6057.5	6071.9	7.19	589.06
84.0	0.00	0.0	6043.5	6057.5	7.03	589.04
85.0	0.00	0.0	6029.7	6043.5	6.87	589.03
86.0	0.00	0.0	6016.3	6029.7	6.71	589.01
87.0	0.00	0.0	6003.2	6016.3	6.56	589.00
88.0	0.00	0.0	5990.3	6003.2	6.43	588.98
89.0	0.00	0.0	5977.7	5990.3	6.29	588.97
90.0	0.00	0.0	5965.4	5977.7	6.16	588.95

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	5953.4	5965.4	6.03	588.94
92.0	0.00	0.0	5941.6	5953.4	5.90	588.93
93.0	0.00	0.0	5930.0	5941.6	5.78	588.91
94.0	0.00	0.0	5918.7	5930.0	5.66	588.90
95.0	0.00	0.0	5907.6	5918.7	5.54	588.89
96.0	0.00	0.0	5896.7	5907.6	5.43	588.88
97.0	0.00	0.0	5886.1	5896.7	5.31	588.86
98.0	0.00	0.0	5875.7	5886.1	5.20	588.85
99.0	0.00	0.0	5865.5	5875.7	5.09	588.84
100.0	0.00	0.0	5855.5	5865.5	4.99	588.83
101.0	0.00	0.0	5845.8	5855.5	4.88	588.82
102.0	0.00	0.0	5836.2	5845.8	4.78	588.81
103.0	0.00	0.0	5826.9	5836.2	4.68	588.80
104.0	0.00	0.0	5817.7	5826.9	4.60	588.79
105.0	0.00	0.0	5808.6	5817.7	4.52	588.78
106.0	0.00	0.0	5799.8	5808.6	4.44	588.77
107.0	0.00	0.0	5791.0	5799.8	4.36	588.76
108.0	0.00	0.0	5782.5	5791.0	4.28	588.75
109.0	0.00	0.0	5774.1	5782.5	4.20	588.74
110.0	0.00	0.0	5765.8	5774.1	4.13	588.73
111.0	0.00	0.0	5757.7	5765.8	4.05	588.72
112.0	0.00	0.0	5749.8	5757.7	3.98	588.71
113.0	0.00	0.0	5742.0	5749.8	3.91	588.70
114.0	0.00	0.0	5734.3	5742.0	3.84	588.69
115.0	0.00	0.0	5726.8	5734.3	3.77	588.68
116.0	0.00	0.0	5719.4	5726.8	3.70	588.68
117.0	0.00	0.0	5712.1	5719.4	3.63	588.67
118.0	0.00	0.0	5705.0	5712.1	3.57	588.66
119.0	0.00	0.0	5697.9	5705.0	3.50	588.65
120.0	0.00	0.0	5691.1	5697.9	3.44	588.64
121.0	0.00	0.0	5684.3	5691.1	3.38	588.64
122.0	0.00	0.0	5677.7	5684.3	3.32	588.63
123.0	0.00	0.0	5671.1	5677.7	3.26	588.62
124.0	0.00	0.0	5664.7	5671.1	3.20	588.61
125.0	0.00	0.0	5658.5	5664.7	3.14	588.61
126.0	0.00	0.0	5652.3	5658.5	3.09	588.60
127.0	0.00	0.0	5646.2	5652.3	3.04	588.59
128.0	0.00	0.0	5640.2	5646.2	2.99	588.58
129.0	0.00	0.0	5634.3	5640.2	2.94	588.58
130.0	0.00	0.0	5628.5	5634.3	2.90	588.57
131.0	0.00	0.0	5622.8	5628.5	2.85	588.56
132.0	0.00	0.0	5617.2	5622.8	2.80	588.56
133.0	0.00	0.0	5611.7	5617.2	2.76	588.55
134.0	0.00	0.0	5606.3	5611.7	2.71	588.54
135.0	0.00	0.0	5600.9	5606.3	2.67	588.54
136.0	0.00	0.0	5595.7	5600.9	2.63	588.53

Input File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	5590.5	5595.7	2.59	588.53
138.0	0.00	0.0	5585.4	5590.5	2.55	588.52
139.0	0.00	0.0	5580.4	5585.4	2.50	588.51
140.0	0.00	0.0	5575.5	5580.4	2.46	588.51
141.0	0.00	0.0	5570.6	5575.5	2.43	588.50
142.0	0.00	0.0	5565.9	5570.6	2.39	588.50
143.0	0.00	0.0	5561.2	5565.9	2.35	588.49
144.0	0.00	0.0	5556.5	5561.2	2.31	588.49
145.0	0.00	0.0	5552.0	5556.5	2.27	588.48
146.0	0.00	0.0	5547.5	5552.0	2.24	588.48
147.0	0.00	0.0	5543.1	5547.5	2.20	588.47
148.0	0.00	0.0	5538.8	5543.1	2.17	588.47
149.0	0.00	0.0	5534.5	5538.8	2.13	588.46
150.0	0.00	0.0	5530.3	5534.5	2.10	588.46
151.0	0.00	0.0	5526.2	5530.3	2.06	588.45
152.0	0.00	0.0	5522.1	5526.2	2.03	588.45
153.0	0.00	0.0	5518.1	5522.1	2.00	588.44
154.0	0.00	0.0	5514.2	5518.1	1.97	588.44
155.0	0.00	0.0	5510.3	5514.2	1.93	588.43
156.0	0.00	0.0	5506.5	5510.3	1.90	588.43
157.0	0.00	0.0	5502.8	5506.5	1.87	588.42
158.0	0.00	0.0	5499.1	5502.8	1.84	588.42
159.0	0.00	0.0	5495.5	5499.1	1.81	588.42
160.0	0.00	0.0	5491.9	5495.5	1.78	588.41
161.0	0.00	0.0	5488.4	5491.9	1.76	588.41
162.0	0.00	0.0	5484.9	5488.4	1.73	588.40
163.0	0.00	0.0	5481.5	5484.9	1.70	588.40
164.0	0.00	0.0	5478.2	5481.5	1.68	588.40
165.0	0.00	0.0	5474.9	5478.2	1.66	588.39
166.0	0.00	0.0	5471.6	5474.9	1.64	588.39
167.0	0.00	0.0	5468.4	5471.6	1.62	588.38
168.0	0.00	0.0	5465.2	5468.4	1.59	588.38
169.0	0.00	0.0	5462.0	5465.2	1.57	588.38
170.0	0.00	0.0	5458.9	5462.0	1.55	588.37
171.0	0.00	0.0	5455.8	5458.9	1.53	588.37
172.0	0.00	0.0	5452.8	5455.8	1.51	588.37
173.0	0.00	0.0	5449.8	5452.8	1.49	588.36
174.0	0.00	0.0	5446.9	5449.8	1.48	588.36
175.0	0.00	0.0	5444.0	5446.9	1.46	588.36
176.0	0.00	0.0	5441.1	5444.0	1.44	588.35
177.0	0.00	0.0	5438.2	5441.1	1.42	588.35
178.0	0.00	0.0	5435.4	5438.2	1.40	588.35
179.0	0.00	0.0	5432.7	5435.4	1.38	588.34
180.0	0.00	0.0	5429.9	5432.7	1.37	588.34
181.0	0.00	0.0	5427.2	5429.9	1.35	588.34
182.0	0.00	0.0	5424.6	5427.2	1.33	588.33

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	5422.0	5424.6	1.31	588.33
184.0	0.00	0.0	5419.4	5422.0	1.30	588.33
185.0	0.00	0.0	5416.8	5419.4	1.28	588.32
186.0	0.00	0.0	5414.3	5416.8	1.26	588.32
187.0	0.00	0.0	5411.8	5414.3	1.25	588.32
188.0	0.00	0.0	5409.3	5411.8	1.23	588.31
189.0	0.00	0.0	5406.9	5409.3	1.22	588.31
190.0	0.00	0.0	5404.5	5406.9	1.20	588.31
191.0	0.00	0.0	5402.1	5404.5	1.19	588.31
192.0	0.00	0.0	5399.8	5402.1	1.17	588.30
193.0	0.00	0.0	5397.5	5399.8	1.15	588.30
194.0	0.00	0.0	5395.2	5397.5	1.14	588.30
195.0	0.00	0.0	5392.9	5395.2	1.13	588.30
196.0	0.00	0.0	5390.7	5392.9	1.11	588.29
197.0	0.00	0.0	5388.5	5390.7	1.10	588.29
198.0	0.00	0.0	5386.3	5388.5	1.08	588.29
199.0	0.00	0.0	5384.2	5386.3	1.07	588.29
200.0	0.00	0.0	5382.1	5384.2	1.06	588.28
201.0	0.00	0.0	5380.0	5382.1	1.04	588.28
202.0	0.00	0.0	5378.0	5380.0	1.03	588.28
203.0	0.00	0.0	5375.9	5378.0	1.02	588.28
204.0	0.00	0.0	5373.9	5375.9	1.00	588.27
205.0	0.00	0.0	5371.9	5373.9	0.99	588.27
206.0	0.00	0.0	5370.0	5371.9	0.98	588.27
207.0	0.00	0.0	5368.1	5370.0	0.96	588.27
208.0	0.00	0.0	5366.2	5368.1	0.95	588.26
209.0	0.00	0.0	5364.3	5366.2	0.94	588.26
210.0	0.00	0.0	5362.4	5364.3	0.93	588.26
211.0	0.00	0.0	5360.6	5362.4	0.92	588.26
212.0	0.00	0.0	5358.8	5360.6	0.90	588.26
213.0	0.00	0.0	5357.0	5358.8	0.89	588.25
214.0	0.00	0.0	5355.2	5357.0	0.88	588.25
215.0	0.00	0.0	5353.5	5355.2	0.87	588.25
216.0	0.00	0.0	5351.8	5353.5	0.86	588.25
217.0	0.00	0.0	5350.1	5351.8	0.85	588.24
218.0	0.00	0.0	5348.4	5350.1	0.84	588.24
219.0	0.00	0.0	5346.8	5348.4	0.83	588.24
220.0	0.00	0.0	5345.1	5346.8	0.82	588.24
221.0	0.00	0.0	5343.5	5345.1	0.80	588.24
222.0	0.00	0.0	5341.9	5343.5	0.79	588.24
223.0	0.00	0.0	5340.4	5341.9	0.78	588.23
224.0	0.00	0.0	5338.8	5340.4	0.77	588.23
225.0	0.00	0.0	5337.3	5338.8	0.76	588.23
226.0	0.00	0.0	5335.8	5337.3	0.75	588.23
227.0	0.00	0.0	5334.3	5335.8	0.74	588.23
228.0	0.00	0.0	5332.8	5334.3	0.74	588.22

Input File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	5331.4	5332.8	0.73	588.22
230.0	0.00	0.0	5329.9	5331.4	0.72	588.22
231.0	0.00	0.0	5328.5	5329.9	0.71	588.22
232.0	0.00	0.0	5327.1	5328.5	0.70	588.22
233.0	0.00	0.0	5325.7	5327.1	0.69	588.22
234.0	0.00	0.0	5324.4	5325.7	0.68	588.21
235.0	0.00	0.0	5323.0	5324.4	0.67	588.21
236.0	0.00	0.0	5321.7	5323.0	0.66	588.21
237.0	0.00	0.0	5320.4	5321.7	0.65	588.21
238.0	0.00	0.0	5319.1	5320.4	0.65	588.21
239.0	0.00	0.0	5317.8	5319.1	0.64	588.21
240.0	0.00	0.0	5316.6	5317.8	0.63	588.21
241.0	0.00	0.0	5315.3	5316.6	0.62	588.20
242.0	0.00	0.0	5314.1	5315.3	0.61	588.20
243.0	0.00	0.0	5312.9	5314.1	0.61	588.20
244.0	0.00	0.0	5311.7	5312.9	0.60	588.20
245.0	0.00	0.0	5310.5	5311.7	0.59	588.20
246.0	0.00	0.0	5309.3	5310.5	0.59	588.20
247.0	0.00	0.0	5308.1	5309.3	0.59	588.20
248.0	0.00	0.0	5307.0	5308.1	0.58	588.19
249.0	0.00	0.0	5305.8	5307.0	0.58	588.19
250.0	0.00	0.0	5304.7	5305.8	0.57	588.19
251.0	0.00	0.0	5303.5	5304.7	0.57	588.19
252.0	0.00	0.0	5302.4	5303.5	0.57	588.19
253.0	0.00	0.0	5301.3	5302.4	0.56	588.19
254.0	0.00	0.0	5300.2	5301.3	0.56	588.19
255.0	0.00	0.0	5299.1	5300.2	0.55	588.18
256.0	0.00	0.0	5298.0	5299.1	0.55	588.18
257.0	0.00	0.0	5296.9	5298.0	0.55	588.18
258.0	0.00	0.0	5295.8	5296.9	0.54	588.18
259.0	0.00	0.0	5294.7	5295.8	0.54	588.18
260.0	0.00	0.0	5293.6	5294.7	0.53	588.18
261.0	0.00	0.0	5292.6	5293.6	0.53	588.18
262.0	0.00	0.0	5291.5	5292.6	0.53	588.18
263.0	0.00	0.0	5290.5	5291.5	0.52	588.17
264.0	0.00	0.0	5289.4	5290.5	0.52	588.17
265.0	0.00	0.0	5288.4	5289.4	0.52	588.17
266.0	0.00	0.0	5287.4	5288.4	0.51	588.17
267.0	0.00	0.0	5286.4	5287.4	0.51	588.17
268.0	0.00	0.0	5285.4	5286.4	0.50	588.17
269.0	0.00	0.0	5284.4	5285.4	0.50	588.17
270.0	0.00	0.0	5283.4	5284.4	0.50	588.17
271.0	0.00	0.0	5282.4	5283.4	0.49	588.16
272.0	0.00	0.0	5281.4	5282.4	0.49	588.16
273.0	0.00	0.0	5280.4	5281.4	0.49	588.16
274.0	0.00	0.0	5279.5	5280.4	0.48	588.16

and File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	5278.5	5279.5	0.48	588.16
276.0	0.00	0.0	5277.5	5278.5	0.48	588.16
277.0	0.00	0.0	5276.6	5277.5	0.47	588.16
278.0	0.00	0.0	5275.7	5276.6	0.47	588.16
279.0	0.00	0.0	5274.7	5275.7	0.47	588.16
280.0	0.00	0.0	5273.8	5274.7	0.46	588.15
281.0	0.00	0.0	5272.9	5273.8	0.46	588.15
282.0	0.00	0.0	5272.0	5272.9	0.46	588.15
283.0	0.00	0.0	5271.1	5272.0	0.45	588.15
284.0	0.00	0.0	5270.2	5271.1	0.45	588.15
285.0	0.00	0.0	5269.3	5270.2	0.45	588.15
286.0	0.00	0.0	5268.4	5269.3	0.44	588.15
287.0	0.00	0.0	5267.5	5268.4	0.44	588.15
288.0	0.00	0.0	5266.6	5267.5	0.44	588.15
289.0	0.00	0.0	5265.8	5266.6	0.43	588.14
290.0	0.00	0.0	5264.9	5265.8	0.43	588.14
291.0	0.00	0.0	5264.0	5264.9	0.43	588.14
292.0	0.00	0.0	5263.2	5264.0	0.42	588.14
293.0	0.00	0.0	5262.4	5263.2	0.42	588.14
294.0	0.00	0.0	5261.5	5262.4	0.42	588.14
295.0	0.00	0.0	5260.7	5261.5	0.42	588.14
296.0	0.00	0.0	5259.9	5260.7	0.41	588.14
297.0	0.00	0.0	5259.0	5259.9	0.41	588.14
298.0	0.00	0.0	5258.2	5259.0	0.41	588.14
299.0	0.00	0.0	5257.4	5258.2	0.40	588.13
300.0	0.00	0.0	5256.6	5257.4	0.40	588.13
301.0	0.00	0.0	5255.8	5256.6	0.40	588.13
302.0	0.00	0.0	5255.0	5255.8	0.40	588.13
303.0	0.00	0.0	5254.2	5255.0	0.39	588.13

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1A .PND
Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

Starting Pond W.S. Elevation = 588.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 88.02 cfs
Peak Outflow = 32.55 cfs
Peak Elevation = 590.90 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 154,349 cu-ft
Peak Storage From Storm = 81,965 cu-ft

Total Storage in Pond = 236,314 cu-ft

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*****
*
* THE VILLAGES @ SPRINGHURST *
* RETENTION BASIN #1 *
*
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*****
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Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Rating Table file: j:\DATA\0312269\BASIN1A .PND

----INITIAL CONDITIONS----
 Elevation = 588.00 ft
 Outflow = 0.00 cfs
 Storage = 154,349 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
588.00	0.0	154,349	5145.0	5145.0
588.20	0.6	159,377	5312.6	5313.2
588.40	1.7	164,495	5483.1	5484.8
588.60	3.1	169,703	5656.7	5659.8
588.80	4.7	175,004	5833.5	5838.2
589.00	6.6	180,398	6013.3	6019.9
589.20	8.7	185,886	6196.2	6204.9
589.40	10.9	191,468	6382.3	6393.2
589.60	13.4	197,143	6571.4	6584.8
589.80	15.9	202,917	6763.9	6779.8
590.00	18.7	208,787	6959.6	6978.3
590.20	21.5	214,754	7158.4	7179.9
590.40	24.5	220,816	7360.5	7385.0
590.60	27.7	226,973	7565.7	7593.4
590.80	30.9	233,229	7774.3	7805.2
591.00	34.3	239,583	7986.1	8020.4
591.20	42.9	246,036	8201.2	8244.1
591.40	55.8	252,588	8419.6	8475.4
591.60	71.7	259,239	8641.3	8713.0
591.80	89.8	265,993	8866.4	8956.2
592.00	110.0	272,849	9094.9	9204.9
592.20	132.0	279,806	9326.9	9458.9
592.40	155.7	286,866	9562.2	9717.9
592.60	186.3	294,027	9800.9	9987.2
592.80	202.1	301,293	10043.1	10245.2
593.00	216.6	308,664	10288.8	10505.4
593.20	230.1	316,140	10538.0	10768.1
593.40	242.8	323,722	10790.7	11033.5
593.60	254.9	331,408	11046.9	11301.8
593.80	266.3	339,204	11306.8	11573.1
594.00	277.3	347,109	11570.3	11847.6

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	5145.0	5145.0	0.00	588.00
1.0	11.30	11.3	5156.2	5156.3	0.04	588.01
2.0	33.90	45.2	5201.0	5201.4	0.20	588.07
3.0	45.20	79.1	5279.1	5280.1	0.48	588.16
4.0	56.50	101.7	5378.7	5380.8	1.03	588.28
5.0	67.80	124.3	5499.4	5503.0	1.85	588.42
6.0	90.40	158.2	5651.4	5657.6	3.08	588.60
7.0	101.70	192.1	5834.0	5843.5	4.76	588.81
8.0	113.00	214.7	6034.8	6048.7	6.93	589.03
9.0	113.00	226.0	6242.1	6260.8	9.35	589.26
10.0	113.00	226.0	6444.4	6468.1	11.88	589.48
11.0	113.00	226.0	6641.4	6670.4	14.50	589.69
12.0	113.00	226.0	6833.1	6867.4	17.14	589.89
13.0	113.00	226.0	7019.5	7059.1	19.82	590.08
14.0	113.00	226.0	7200.5	7245.5	22.46	590.26
15.0	113.00	226.0	7376.3	7426.5	25.14	590.44
16.0	113.00	226.0	7546.6	7602.3	27.83	590.61
17.0	113.00	226.0	7711.8	7772.6	30.41	590.77
18.0	113.00	226.0	7871.8	7937.8	32.99	590.92
19.0	113.00	226.0	8023.2	8097.8	37.28	591.07
20.0	113.00	226.0	8162.9	8249.2	43.19	591.20
21.0	101.70	214.7	8276.9	8377.6	50.34	591.32
22.0	90.40	192.1	8358.1	8469.0	55.44	591.39
23.0	67.80	158.2	8399.2	8516.3	58.54	591.43
24.0	56.50	124.3	8405.5	8523.5	59.02	591.44
25.0	45.20	101.7	8391.3	8507.2	57.93	591.43
26.0	33.90	79.1	8359.4	8470.4	55.52	591.40
27.0	11.30	45.2	8300.9	8404.6	51.85	591.34
28.0	0.00	11.3	8218.8	8312.2	46.70	591.26
29.0	0.00	0.0	8134.9	8218.8	41.93	591.18
30.0	0.00	0.0	8057.5	8134.9	38.70	591.10
31.0	0.00	0.0	7986.1	8057.5	35.73	591.03
32.0	0.00	0.0	7918.6	7986.1	33.76	590.97
33.0	0.00	0.0	7853.2	7918.6	32.69	590.91
34.0	0.00	0.0	7789.9	7853.2	31.66	590.84
35.0	0.00	0.0	7728.5	7789.9	30.67	590.79
36.0	0.00	0.0	7669.0	7728.5	29.74	590.73
37.0	0.00	0.0	7611.3	7669.0	28.84	590.67
38.0	0.00	0.0	7555.4	7611.3	27.97	590.62
39.0	0.00	0.0	7501.2	7555.4	27.12	590.56
40.0	0.00	0.0	7448.6	7501.2	26.28	590.51
41.0	0.00	0.0	7397.7	7448.6	25.48	590.46
42.0	0.00	0.0	7348.3	7397.7	24.69	590.41
43.0	0.00	0.0	7300.3	7348.3	23.96	590.36
44.0	0.00	0.0	7253.8	7300.3	23.26	590.32

nd File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	7208.7	7253.8	22.58	590.27
46.0	0.00	0.0	7164.8	7208.7	21.92	590.23
47.0	0.00	0.0	7122.2	7164.8	21.29	590.18
48.0	0.00	0.0	7080.8	7122.2	20.70	590.14
49.0	0.00	0.0	7040.6	7080.8	20.12	590.10
50.0	0.00	0.0	7001.5	7040.6	19.57	590.06
51.0	0.00	0.0	6963.4	7001.5	19.02	590.02
52.0	0.00	0.0	6926.4	6963.4	18.49	589.99
53.0	0.00	0.0	6890.5	6926.4	17.97	589.95
54.0	0.00	0.0	6855.6	6890.5	17.46	589.91
55.0	0.00	0.0	6821.6	6855.6	16.97	589.88
56.0	0.00	0.0	6788.7	6821.6	16.49	589.84
57.0	0.00	0.0	6756.6	6788.7	16.03	589.81
58.0	0.00	0.0	6725.4	6756.6	15.60	589.78
59.0	0.00	0.0	6695.0	6725.4	15.20	589.74
60.0	0.00	0.0	6665.4	6695.0	14.81	589.71
61.0	0.00	0.0	6636.5	6665.4	14.43	589.68
62.0	0.00	0.0	6608.4	6636.5	14.06	589.65
63.0	0.00	0.0	6581.0	6608.4	13.70	589.62
64.0	0.00	0.0	6554.3	6581.0	13.35	589.60
65.0	0.00	0.0	6528.3	6554.3	13.00	589.57
66.0	0.00	0.0	6502.9	6528.3	12.66	589.54
67.0	0.00	0.0	6478.3	6502.9	12.33	589.51
68.0	0.00	0.0	6454.3	6478.3	12.01	589.49
69.0	0.00	0.0	6430.9	6454.3	11.70	589.46
70.0	0.00	0.0	6408.1	6430.9	11.39	589.44
71.0	0.00	0.0	6385.9	6408.1	11.09	589.42
72.0	0.00	0.0	6364.3	6385.9	10.82	589.39
73.0	0.00	0.0	6343.1	6364.3	10.56	589.37
74.0	0.00	0.0	6322.5	6343.1	10.32	589.35
75.0	0.00	0.0	6302.4	6322.5	10.07	589.32
76.0	0.00	0.0	6282.7	6302.4	9.84	589.30
77.0	0.00	0.0	6263.5	6282.7	9.61	589.28
78.0	0.00	0.0	6244.7	6263.5	9.38	589.26
79.0	0.00	0.0	6226.4	6244.7	9.17	589.24
80.0	0.00	0.0	6208.5	6226.4	8.95	589.22
81.0	0.00	0.0	6191.0	6208.5	8.74	589.20
82.0	0.00	0.0	6173.9	6191.0	8.54	589.18
83.0	0.00	0.0	6157.2	6173.9	8.35	589.17
84.0	0.00	0.0	6140.9	6157.2	8.16	589.15
85.0	0.00	0.0	6124.9	6140.9	7.97	589.13
86.0	0.00	0.0	6109.3	6124.9	7.79	589.11
87.0	0.00	0.0	6094.1	6109.3	7.62	589.10
88.0	0.00	0.0	6079.2	6094.1	7.44	589.08
89.0	0.00	0.0	6064.7	6079.2	7.27	589.06
90.0	0.00	0.0	6050.5	6064.7	7.11	589.05

and File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	6036.6	6050.5	6.95	589.03
92.0	0.00	0.0	6023.0	6036.6	6.79	589.02
93.0	0.00	0.0	6009.7	6023.0	6.64	589.00
94.0	0.00	0.0	5996.7	6009.7	6.49	588.99
95.0	0.00	0.0	5984.0	5996.7	6.36	588.97
96.0	0.00	0.0	5971.6	5984.0	6.23	588.96
97.0	0.00	0.0	5959.4	5971.6	6.10	588.95
98.0	0.00	0.0	5947.4	5959.4	5.97	588.93
99.0	0.00	0.0	5935.8	5947.4	5.84	588.92
100.0	0.00	0.0	5924.3	5935.8	5.72	588.91
101.0	0.00	0.0	5913.1	5924.3	5.60	588.89
102.0	0.00	0.0	5902.1	5913.1	5.48	588.88
103.0	0.00	0.0	5891.4	5902.1	5.37	588.87
104.0	0.00	0.0	5880.9	5891.4	5.26	588.86
105.0	0.00	0.0	5870.6	5880.9	5.15	588.85
106.0	0.00	0.0	5860.5	5870.6	5.04	588.84
107.0	0.00	0.0	5850.7	5860.5	4.93	588.82
108.0	0.00	0.0	5841.0	5850.7	4.83	588.81
109.0	0.00	0.0	5831.5	5841.0	4.73	588.80
110.0	0.00	0.0	5822.3	5831.5	4.64	588.79
111.0	0.00	0.0	5813.1	5822.3	4.56	588.78
112.0	0.00	0.0	5804.2	5813.1	4.48	588.77
113.0	0.00	0.0	5795.4	5804.2	4.40	588.76
114.0	0.00	0.0	5786.8	5795.4	4.32	588.75
115.0	0.00	0.0	5778.3	5786.8	4.24	588.74
116.0	0.00	0.0	5770.0	5778.3	4.16	588.73
117.0	0.00	0.0	5761.8	5770.0	4.09	588.72
118.0	0.00	0.0	5753.8	5761.8	4.01	588.71
119.0	0.00	0.0	5745.9	5753.8	3.94	588.71
120.0	0.00	0.0	5738.1	5745.9	3.87	588.70
121.0	0.00	0.0	5730.5	5738.1	3.80	588.69
122.0	0.00	0.0	5723.1	5730.5	3.73	588.68
123.0	0.00	0.0	5715.7	5723.1	3.67	588.67
124.0	0.00	0.0	5708.5	5715.7	3.60	588.66
125.0	0.00	0.0	5701.4	5708.5	3.54	588.65
126.0	0.00	0.0	5694.5	5701.4	3.47	588.65
127.0	0.00	0.0	5687.7	5694.5	3.41	588.64
128.0	0.00	0.0	5681.0	5687.7	3.35	588.63
129.0	0.00	0.0	5674.4	5681.0	3.29	588.62
130.0	0.00	0.0	5667.9	5674.4	3.23	588.62
131.0	0.00	0.0	5661.6	5667.9	3.17	588.61
132.0	0.00	0.0	5655.4	5661.6	3.12	588.60
133.0	0.00	0.0	5649.2	5655.4	3.06	588.59
134.0	0.00	0.0	5643.2	5649.2	3.02	588.59
135.0	0.00	0.0	5637.3	5643.2	2.97	588.58
136.0	0.00	0.0	5631.4	5637.3	2.92	588.57

and File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	5625.7	5631.4	2.87	588.57
138.0	0.00	0.0	5620.0	5625.7	2.83	588.56
139.0	0.00	0.0	5614.5	5620.0	2.78	588.55
140.0	0.00	0.0	5609.0	5614.5	2.74	588.55
141.0	0.00	0.0	5603.6	5609.0	2.69	588.54
142.0	0.00	0.0	5598.3	5603.6	2.65	588.54
143.0	0.00	0.0	5593.1	5598.3	2.61	588.53
144.0	0.00	0.0	5588.0	5593.1	2.57	588.52
145.0	0.00	0.0	5582.9	5588.0	2.52	588.52
146.0	0.00	0.0	5577.9	5582.9	2.48	588.51
147.0	0.00	0.0	5573.0	5577.9	2.44	588.51
148.0	0.00	0.0	5568.2	5573.0	2.41	588.50
149.0	0.00	0.0	5563.5	5568.2	2.37	588.50
150.0	0.00	0.0	5558.8	5563.5	2.33	588.49
151.0	0.00	0.0	5554.3	5558.8	2.29	588.48
152.0	0.00	0.0	5549.8	5554.3	2.26	588.48
153.0	0.00	0.0	5545.3	5549.8	2.22	588.47
154.0	0.00	0.0	5540.9	5545.3	2.18	588.47
155.0	0.00	0.0	5536.6	5540.9	2.15	588.46
156.0	0.00	0.0	5532.4	5536.6	2.11	588.46
157.0	0.00	0.0	5528.3	5532.4	2.08	588.45
158.0	0.00	0.0	5524.2	5528.3	2.05	588.45
159.0	0.00	0.0	5520.1	5524.2	2.01	588.44
160.0	0.00	0.0	5516.2	5520.1	1.98	588.44
161.0	0.00	0.0	5512.3	5516.2	1.95	588.44
162.0	0.00	0.0	5508.4	5512.3	1.92	588.43
163.0	0.00	0.0	5504.7	5508.4	1.89	588.43
164.0	0.00	0.0	5500.9	5504.7	1.86	588.42
165.0	0.00	0.0	5497.3	5500.9	1.83	588.42
166.0	0.00	0.0	5493.7	5497.3	1.80	588.41
167.0	0.00	0.0	5490.1	5493.7	1.77	588.41
168.0	0.00	0.0	5486.7	5490.1	1.74	588.41
169.0	0.00	0.0	5483.2	5486.7	1.71	588.40
170.0	0.00	0.0	5479.8	5483.2	1.69	588.40
171.0	0.00	0.0	5476.5	5479.8	1.67	588.39
172.0	0.00	0.0	5473.2	5476.5	1.65	588.39
173.0	0.00	0.0	5470.0	5473.2	1.63	588.39
174.0	0.00	0.0	5466.8	5470.0	1.60	588.38
175.0	0.00	0.0	5463.6	5466.8	1.58	588.38
176.0	0.00	0.0	5460.5	5463.6	1.56	588.38
177.0	0.00	0.0	5457.4	5460.5	1.54	588.37
178.0	0.00	0.0	5454.3	5457.4	1.52	588.37
179.0	0.00	0.0	5451.3	5454.3	1.50	588.36
180.0	0.00	0.0	5448.3	5451.3	1.49	588.36
181.0	0.00	0.0	5445.4	5448.3	1.47	588.36
182.0	0.00	0.0	5442.5	5445.4	1.45	588.35

Input File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	5439.7	5442.5	1.43	588.35
184.0	0.00	0.0	5436.8	5439.7	1.41	588.35
185.0	0.00	0.0	5434.1	5436.8	1.39	588.34
186.0	0.00	0.0	5431.3	5434.1	1.37	588.34
187.0	0.00	0.0	5428.6	5431.3	1.36	588.34
188.0	0.00	0.0	5425.9	5428.6	1.34	588.33
189.0	0.00	0.0	5423.3	5425.9	1.32	588.33
190.0	0.00	0.0	5420.7	5423.3	1.31	588.33
191.0	0.00	0.0	5418.1	5420.7	1.29	588.33
192.0	0.00	0.0	5415.5	5418.1	1.27	588.32
193.0	0.00	0.0	5413.0	5415.5	1.26	588.32
194.0	0.00	0.0	5410.5	5413.0	1.24	588.32
195.0	0.00	0.0	5408.1	5410.5	1.22	588.31
196.0	0.00	0.0	5405.7	5408.1	1.21	588.31
197.0	0.00	0.0	5403.3	5405.7	1.19	588.31
198.0	0.00	0.0	5400.9	5403.3	1.18	588.31
199.0	0.00	0.0	5398.6	5400.9	1.16	588.30
200.0	0.00	0.0	5396.3	5398.6	1.15	588.30
201.0	0.00	0.0	5394.1	5396.3	1.13	588.30
202.0	0.00	0.0	5391.8	5394.1	1.12	588.29
203.0	0.00	0.0	5389.6	5391.8	1.10	588.29
204.0	0.00	0.0	5387.4	5389.6	1.09	588.29
205.0	0.00	0.0	5385.3	5387.4	1.08	588.29
206.0	0.00	0.0	5383.2	5385.3	1.06	588.28
207.0	0.00	0.0	5381.1	5383.2	1.05	588.28
208.0	0.00	0.0	5379.0	5381.1	1.04	588.28
209.0	0.00	0.0	5376.9	5379.0	1.02	588.28
210.0	0.00	0.0	5374.9	5376.9	1.01	588.27
211.0	0.00	0.0	5372.9	5374.9	1.00	588.27
212.0	0.00	0.0	5371.0	5372.9	0.98	588.27
213.0	0.00	0.0	5369.0	5371.0	0.97	588.27
214.0	0.00	0.0	5367.1	5369.0	0.96	588.27
215.0	0.00	0.0	5365.2	5367.1	0.95	588.26
216.0	0.00	0.0	5363.4	5365.2	0.93	588.26
217.0	0.00	0.0	5361.5	5363.4	0.92	588.26
218.0	0.00	0.0	5359.7	5361.5	0.91	588.26
219.0	0.00	0.0	5357.9	5359.7	0.90	588.25
220.0	0.00	0.0	5356.1	5357.9	0.89	588.25
221.0	0.00	0.0	5354.4	5356.1	0.88	588.25
222.0	0.00	0.0	5352.6	5354.4	0.86	588.25
223.0	0.00	0.0	5350.9	5352.6	0.85	588.25
224.0	0.00	0.0	5349.3	5350.9	0.84	588.24
225.0	0.00	0.0	5347.6	5349.3	0.83	588.24
226.0	0.00	0.0	5345.9	5347.6	0.82	588.24
227.0	0.00	0.0	5344.3	5345.9	0.81	588.24
228.0	0.00	0.0	5342.7	5344.3	0.80	588.24

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	5341.1	5342.7	0.79	588.23
230.0	0.00	0.0	5339.6	5341.1	0.78	588.23
231.0	0.00	0.0	5338.1	5339.6	0.77	588.23
232.0	0.00	0.0	5336.5	5338.1	0.76	588.23
233.0	0.00	0.0	5335.0	5336.5	0.75	588.23
234.0	0.00	0.0	5333.6	5335.0	0.74	588.23
235.0	0.00	0.0	5332.1	5333.6	0.73	588.22
236.0	0.00	0.0	5330.6	5332.1	0.72	588.22
237.0	0.00	0.0	5329.2	5330.6	0.71	588.22
238.0	0.00	0.0	5327.8	5329.2	0.70	588.22
239.0	0.00	0.0	5326.4	5327.8	0.69	588.22
240.0	0.00	0.0	5325.1	5326.4	0.69	588.22
241.0	0.00	0.0	5323.7	5325.1	0.68	588.21
242.0	0.00	0.0	5322.4	5323.7	0.67	588.21
243.0	0.00	0.0	5321.1	5322.4	0.66	588.21
244.0	0.00	0.0	5319.8	5321.1	0.65	588.21
245.0	0.00	0.0	5318.5	5319.8	0.64	588.21
246.0	0.00	0.0	5317.2	5318.5	0.63	588.21
247.0	0.00	0.0	5315.9	5317.2	0.63	588.20
248.0	0.00	0.0	5314.7	5315.9	0.62	588.20
249.0	0.00	0.0	5313.5	5314.7	0.61	588.20
250.0	0.00	0.0	5312.3	5313.5	0.60	588.20
251.0	0.00	0.0	5311.1	5312.3	0.60	588.20
252.0	0.00	0.0	5309.9	5311.1	0.59	588.20
253.0	0.00	0.0	5308.7	5309.9	0.59	588.20
254.0	0.00	0.0	5307.6	5308.7	0.58	588.19
255.0	0.00	0.0	5306.4	5307.6	0.58	588.19
256.0	0.00	0.0	5305.3	5306.4	0.58	588.19
257.0	0.00	0.0	5304.1	5305.3	0.57	588.19
258.0	0.00	0.0	5303.0	5304.1	0.57	588.19
259.0	0.00	0.0	5301.8	5303.0	0.56	588.19
260.0	0.00	0.0	5300.7	5301.8	0.56	588.19
261.0	0.00	0.0	5299.6	5300.7	0.56	588.19
262.0	0.00	0.0	5298.5	5299.6	0.55	588.18
263.0	0.00	0.0	5297.4	5298.5	0.55	588.18
264.0	0.00	0.0	5296.3	5297.4	0.54	588.18
265.0	0.00	0.0	5295.2	5296.3	0.54	588.18
266.0	0.00	0.0	5294.2	5295.2	0.54	588.18
267.0	0.00	0.0	5293.1	5294.2	0.53	588.18
268.0	0.00	0.0	5292.1	5293.1	0.53	588.18
269.0	0.00	0.0	5291.0	5292.1	0.52	588.17
270.0	0.00	0.0	5290.0	5291.0	0.52	588.17
271.0	0.00	0.0	5288.9	5290.0	0.52	588.17
272.0	0.00	0.0	5287.9	5288.9	0.51	588.17
273.0	0.00	0.0	5286.9	5287.9	0.51	588.17
274.0	0.00	0.0	5285.9	5286.9	0.51	588.17

id File: j:\DATA\0312269\BASIN1A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	5284.9	5285.9	0.50	588.17
276.0	0.00	0.0	5283.9	5284.9	0.50	588.17
277.0	0.00	0.0	5282.9	5283.9	0.50	588.17
278.0	0.00	0.0	5281.9	5282.9	0.49	588.16
279.0	0.00	0.0	5280.9	5281.9	0.49	588.16
280.0	0.00	0.0	5279.9	5280.9	0.48	588.16
281.0	0.00	0.0	5279.0	5279.9	0.48	588.16
282.0	0.00	0.0	5278.0	5279.0	0.48	588.16
283.0	0.00	0.0	5277.1	5278.0	0.47	588.16
284.0	0.00	0.0	5276.1	5277.1	0.47	588.16
285.0	0.00	0.0	5275.2	5276.1	0.47	588.16
286.0	0.00	0.0	5274.3	5275.2	0.46	588.15
287.0	0.00	0.0	5273.3	5274.3	0.46	588.15
288.0	0.00	0.0	5272.4	5273.3	0.46	588.15
289.0	0.00	0.0	5271.5	5272.4	0.45	588.15
290.0	0.00	0.0	5270.6	5271.5	0.45	588.15
291.0	0.00	0.0	5269.7	5270.6	0.45	588.15
292.0	0.00	0.0	5268.8	5269.7	0.45	588.15
293.0	0.00	0.0	5267.9	5268.8	0.44	588.15
294.0	0.00	0.0	5267.1	5267.9	0.44	588.15
295.0	0.00	0.0	5266.2	5267.1	0.44	588.15
296.0	0.00	0.0	5265.3	5266.2	0.43	588.14
297.0	0.00	0.0	5264.5	5265.3	0.43	588.14
298.0	0.00	0.0	5263.6	5264.5	0.43	588.14
299.0	0.00	0.0	5262.8	5263.6	0.42	588.14
300.0	0.00	0.0	5261.9	5262.8	0.42	588.14
301.0	0.00	0.0	5261.1	5261.9	0.42	588.14
302.0	0.00	0.0	5260.3	5261.1	0.41	588.14
303.0	0.00	0.0	5259.4	5260.3	0.41	588.14

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1A .PND
Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

Starting Pond W.S. Elevation = 588.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 113.00 cfs
Peak Outflow = 59.02 cfs
Peak Elevation = 591.44 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 154,349 cu-ft
Peak Storage From Storm = 99,586 cu-ft

Total Storage in Pond = 253,935 cu-ft

Outlet Structure File: BASIN1AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

BLOCKED LOW FLOW

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
591.00	0.0	3
591.20	5.7	3
591.40	16.1	3
591.60	29.6	3
591.80	45.6	3
592.00	63.8	3
592.20	83.9	3
592.40	105.7	3
592.60	128.7	4
592.80	143.1	4
593.00	156.1	4
593.20	168.1	4
593.40	179.4	4
593.60	189.9	4
593.80	199.9	4
594.00	209.5	4

Outlet Structure File: BASIN1AB.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

Outlet Structure File: j:\DATA\0312269\BASIN1AB.STR
Planimeter Input File: j:\DATA\0312269\BASIN1.VOL
Rating Table Output File: j:\DATA\0312269\BASIN1AB.PND

Min. Elev.(ft) = 591 Max. Elev.(ft) = 594 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN1AB.PND

Outlet Structure File: BASIN1AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	591
E2 elev.(ft)?	592.5
Weir coefficient?	3.3
Weir elev.(ft)?	591
Length (ft)?	19.33
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN1AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
RETENTION BASIN #1

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	592.5
E2 elev.(ft)?	594.001
Orifice coeff.?	.6
Invert elev.(ft)?	591
Datum elev.(ft) ?	591.75
Orifice area (sq ft)?	29

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   RETENTION BASIN #1
*
*
*
*
*****
    
```

Inflow Hydrograph: j:\DATA\0312269\02BASIN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1AB.PND

----INITIAL CONDITIONS----
 Elevation = 591.00 ft
 Outflow = 0.00 cfs
 Storage = 239,583 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
591.00	0.0	239,583	7986.1	7986.1
591.20	5.7	246,036	8201.2	8206.9
591.40	16.1	252,588	8419.6	8435.7
591.60	29.6	259,239	8641.3	8670.9
591.80	45.6	265,993	8866.4	8912.0
592.00	63.8	272,849	9094.9	9158.7
592.20	83.9	279,806	9326.9	9410.8
592.40	105.7	286,866	9562.2	9667.9
592.60	128.7	294,027	9800.9	9929.6
592.80	143.1	301,293	10043.1	10186.2
593.00	156.1	308,664	10288.8	10444.9
593.20	168.1	316,140	10538.0	10706.1
593.40	179.4	323,722	10790.7	10970.1
593.60	189.9	331,408	11046.9	11236.8
593.80	199.9	339,204	11306.8	11506.7
594.00	209.5	347,109	11570.3	11779.8

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	7986.1	7986.1	0.00	591.00
1.0	4.38	4.4	7990.2	7990.5	0.11	591.00
2.0	13.13	17.5	8006.6	8007.8	0.56	591.02
3.0	17.51	30.6	8034.6	8037.3	1.32	591.05
4.0	21.89	39.4	8069.5	8074.0	2.27	591.08
5.0	26.26	48.2	8110.8	8117.6	3.40	591.12
6.0	35.02	61.3	8162.5	8172.1	4.80	591.17
7.0	39.39	74.4	8222.8	8236.9	7.07	591.23
8.0	43.77	83.2	8285.6	8306.0	10.20	591.29
9.0	43.77	87.5	8346.6	8373.1	13.25	591.35
10.0	43.77	87.5	8402.1	8434.1	16.03	591.40
11.0	43.77	87.5	8451.2	8489.6	19.19	591.45
12.0	43.77	87.5	8494.7	8538.8	22.02	591.49
13.0	43.77	87.5	8533.2	8582.3	24.51	591.52
14.0	43.77	87.5	8567.3	8620.8	26.72	591.56
15.0	43.77	87.5	8597.5	8654.9	28.68	591.59
16.0	43.77	87.5	8624.0	8685.1	30.54	591.61
17.0	43.77	87.5	8646.9	8711.5	32.30	591.63
18.0	43.77	87.5	8666.8	8734.5	33.82	591.65
19.0	43.77	87.5	8684.1	8754.4	35.14	591.67
20.0	43.77	87.5	8699.1	8771.6	36.28	591.68
21.0	39.39	83.2	8708.2	8782.2	36.99	591.69
22.0	35.02	74.4	8708.6	8782.7	37.02	591.69
23.0	26.26	61.3	8697.6	8769.9	36.17	591.68
24.0	21.89	48.2	8676.6	8745.7	34.56	591.66
25.0	17.51	39.4	8650.8	8716.0	32.59	591.64
26.0	13.13	30.6	8620.8	8681.4	30.30	591.61
27.0	4.38	17.5	8582.9	8638.3	27.73	591.57
28.0	0.00	4.4	8537.7	8587.3	24.80	591.53
29.0	0.00	0.0	8493.8	8537.7	21.95	591.49
30.0	0.00	0.0	8454.9	8493.8	19.43	591.45
31.0	0.00	0.0	8420.5	8454.9	17.20	591.42
32.0	0.00	0.0	8389.7	8420.5	15.41	591.39
33.0	0.00	0.0	8361.7	8389.7	14.01	591.36
34.0	0.00	0.0	8336.2	8361.7	12.73	591.34
35.0	0.00	0.0	8313.0	8336.2	11.58	591.31
36.0	0.00	0.0	8292.0	8313.0	10.52	591.29
37.0	0.00	0.0	8272.8	8292.0	9.57	591.27
38.0	0.00	0.0	8255.4	8272.8	8.70	591.26
39.0	0.00	0.0	8239.6	8255.4	7.91	591.24
40.0	0.00	0.0	8225.3	8239.6	7.19	591.23
41.0	0.00	0.0	8212.2	8225.3	6.54	591.22
42.0	0.00	0.0	8200.3	8212.2	5.94	591.20
43.0	0.00	0.0	8189.2	8200.3	5.53	591.19
44.0	0.00	0.0	8178.8	8189.2	5.24	591.18

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	8168.8	8178.8	4.97	591.17
46.0	0.00	0.0	8159.4	8168.8	4.72	591.17
47.0	0.00	0.0	8150.4	8159.4	4.47	591.16
48.0	0.00	0.0	8141.9	8150.4	4.24	591.15
49.0	0.00	0.0	8133.9	8141.9	4.02	591.14
50.0	0.00	0.0	8126.3	8133.9	3.82	591.13
51.0	0.00	0.0	8119.0	8126.3	3.62	591.13
52.0	0.00	0.0	8112.2	8119.0	3.43	591.12
53.0	0.00	0.0	8105.7	8112.2	3.25	591.11
54.0	0.00	0.0	8099.5	8105.7	3.09	591.11
55.0	0.00	0.0	8093.6	8099.5	2.93	591.10
56.0	0.00	0.0	8088.1	8093.6	2.78	591.10
57.0	0.00	0.0	8082.8	8088.1	2.63	591.09
58.0	0.00	0.0	8077.8	8082.8	2.50	591.09
59.0	0.00	0.0	8073.1	8077.8	2.37	591.08
60.0	0.00	0.0	8068.6	8073.1	2.25	591.08
61.0	0.00	0.0	8064.3	8068.6	2.13	591.07
62.0	0.00	0.0	8060.3	8064.3	2.02	591.07
63.0	0.00	0.0	8056.5	8060.3	1.92	591.07
64.0	0.00	0.0	8052.8	8056.5	1.82	591.06
65.0	0.00	0.0	8049.4	8052.8	1.72	591.06
66.0	0.00	0.0	8046.1	8049.4	1.63	591.06
67.0	0.00	0.0	8043.0	8046.1	1.55	591.05
68.0	0.00	0.0	8040.1	8043.0	1.47	591.05
69.0	0.00	0.0	8037.3	8040.1	1.39	591.05
70.0	0.00	0.0	8034.6	8037.3	1.32	591.05
71.0	0.00	0.0	8032.1	8034.6	1.25	591.04
72.0	0.00	0.0	8029.8	8032.1	1.19	591.04
73.0	0.00	0.0	8027.5	8029.8	1.13	591.04
74.0	0.00	0.0	8025.4	8027.5	1.07	591.04
75.0	0.00	0.0	8023.3	8025.4	1.01	591.04
76.0	0.00	0.0	8021.4	8023.3	0.96	591.03
77.0	0.00	0.0	8019.6	8021.4	0.91	591.03
78.0	0.00	0.0	8017.9	8019.6	0.86	591.03
79.0	0.00	0.0	8016.2	8017.9	0.82	591.03
80.0	0.00	0.0	8014.7	8016.2	0.78	591.03
81.0	0.00	0.0	8013.2	8014.7	0.74	591.03
82.0	0.00	0.0	8011.8	8013.2	0.70	591.02
83.0	0.00	0.0	8010.5	8011.8	0.66	591.02
84.0	0.00	0.0	8009.2	8010.5	0.63	591.02
85.0	0.00	0.0	8008.0	8009.2	0.60	591.02
86.0	0.00	0.0	8006.9	8008.0	0.57	591.02
87.0	0.00	0.0	8005.8	8006.9	0.54	591.02
88.0	0.00	0.0	8004.8	8005.8	0.51	591.02
89.0	0.00	0.0	8003.8	8004.8	0.48	591.02
90.0	0.00	0.0	8002.9	8003.8	0.46	591.02

and File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	8002.0	8002.9	0.43	591.02
92.0	0.00	0.0	8001.2	8002.0	0.41	591.01
93.0	0.00	0.0	8000.4	8001.2	0.39	591.01
94.0	0.00	0.0	7999.7	8000.4	0.37	591.01
95.0	0.00	0.0	7999.0	7999.7	0.35	591.01
96.0	0.00	0.0	7998.3	7999.0	0.33	591.01
97.0	0.00	0.0	7997.7	7998.3	0.32	591.01
98.0	0.00	0.0	7997.1	7997.7	0.30	591.01
99.0	0.00	0.0	7996.5	7997.1	0.28	591.01
100.0	0.00	0.0	7996.0	7996.5	0.27	591.01
101.0	0.00	0.0	7995.5	7996.0	0.26	591.01
102.0	0.00	0.0	7995.0	7995.5	0.24	591.01
103.0	0.00	0.0	7994.5	7995.0	0.23	591.01
104.0	0.00	0.0	7994.1	7994.5	0.22	591.01
105.0	0.00	0.0	7993.7	7994.1	0.21	591.01
106.0	0.00	0.0	7993.3	7993.7	0.20	591.01
107.0	0.00	0.0	7992.9	7993.3	0.19	591.01
108.0	0.00	0.0	7992.6	7992.9	0.18	591.01
109.0	0.00	0.0	7992.2	7992.6	0.17	591.01
110.0	0.00	0.0	7991.9	7992.2	0.16	591.01
111.0	0.00	0.0	7991.6	7991.9	0.15	591.01
112.0	0.00	0.0	7991.3	7991.6	0.14	591.01
113.0	0.00	0.0	7991.1	7991.3	0.14	591.00
114.0	0.00	0.0	7990.8	7991.1	0.13	591.00
115.0	0.00	0.0	7990.6	7990.8	0.12	591.00
116.0	0.00	0.0	7990.3	7990.6	0.12	591.00
117.0	0.00	0.0	7990.1	7990.3	0.11	591.00
118.0	0.00	0.0	7989.9	7990.1	0.10	591.00
119.0	0.00	0.0	7989.7	7989.9	0.10	591.00
120.0	0.00	0.0	7989.5	7989.7	0.09	591.00
121.0	0.00	0.0	7989.3	7989.5	0.09	591.00
122.0	0.00	0.0	7989.2	7989.3	0.08	591.00
123.0	0.00	0.0	7989.0	7989.2	0.08	591.00
124.0	0.00	0.0	7988.9	7989.0	0.08	591.00
125.0	0.00	0.0	7988.7	7988.9	0.07	591.00
126.0	0.00	0.0	7988.6	7988.7	0.07	591.00
127.0	0.00	0.0	7988.5	7988.6	0.06	591.00
128.0	0.00	0.0	7988.3	7988.5	0.06	591.00
129.0	0.00	0.0	7988.2	7988.3	0.06	591.00
130.0	0.00	0.0	7988.1	7988.2	0.05	591.00
131.0	0.00	0.0	7988.0	7988.1	0.05	591.00
132.0	0.00	0.0	7987.9	7988.0	0.05	591.00
133.0	0.00	0.0	7987.8	7987.9	0.05	591.00
134.0	0.00	0.0	7987.7	7987.8	0.04	591.00
135.0	0.00	0.0	7987.6	7987.7	0.04	591.00
136.0	0.00	0.0	7987.6	7987.6	0.04	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	7987.5	7987.6	0.04	591.00
138.0	0.00	0.0	7987.4	7987.5	0.04	591.00
139.0	0.00	0.0	7987.3	7987.4	0.03	591.00
140.0	0.00	0.0	7987.3	7987.3	0.03	591.00
141.0	0.00	0.0	7987.2	7987.3	0.03	591.00
142.0	0.00	0.0	7987.2	7987.2	0.03	591.00
143.0	0.00	0.0	7987.1	7987.2	0.03	591.00
144.0	0.00	0.0	7987.0	7987.1	0.03	591.00
145.0	0.00	0.0	7987.0	7987.0	0.02	591.00
146.0	0.00	0.0	7987.0	7987.0	0.02	591.00
147.0	0.00	0.0	7986.9	7987.0	0.02	591.00
148.0	0.00	0.0	7986.9	7986.9	0.02	591.00
149.0	0.00	0.0	7986.8	7986.9	0.02	591.00
150.0	0.00	0.0	7986.8	7986.8	0.02	591.00
151.0	0.00	0.0	7986.7	7986.8	0.02	591.00
152.0	0.00	0.0	7986.7	7986.7	0.02	591.00
153.0	0.00	0.0	7986.7	7986.7	0.02	591.00
154.0	0.00	0.0	7986.7	7986.7	0.02	591.00
155.0	0.00	0.0	7986.6	7986.7	0.01	591.00
156.0	0.00	0.0	7986.6	7986.6	0.01	591.00
157.0	0.00	0.0	7986.6	7986.6	0.01	591.00
158.0	0.00	0.0	7986.5	7986.6	0.01	591.00
159.0	0.00	0.0	7986.5	7986.5	0.01	591.00
160.0	0.00	0.0	7986.5	7986.5	0.01	591.00
161.0	0.00	0.0	7986.5	7986.5	0.01	591.00
162.0	0.00	0.0	7986.5	7986.5	0.01	591.00
163.0	0.00	0.0	7986.4	7986.5	0.01	591.00
164.0	0.00	0.0	7986.4	7986.4	0.01	591.00
165.0	0.00	0.0	7986.4	7986.4	0.01	591.00
166.0	0.00	0.0	7986.4	7986.4	0.01	591.00
167.0	0.00	0.0	7986.4	7986.4	0.01	591.00
168.0	0.00	0.0	7986.4	7986.4	0.01	591.00
169.0	0.00	0.0	7986.3	7986.4	0.01	591.00
170.0	0.00	0.0	7986.3	7986.3	0.01	591.00
171.0	0.00	0.0	7986.3	7986.3	0.01	591.00
172.0	0.00	0.0	7986.3	7986.3	0.01	591.00
173.0	0.00	0.0	7986.3	7986.3	0.01	591.00
174.0	0.00	0.0	7986.3	7986.3	0.01	591.00
175.0	0.00	0.0	7986.3	7986.3	0.01	591.00
176.0	0.00	0.0	7986.3	7986.3	0.00	591.00
177.0	0.00	0.0	7986.3	7986.3	0.00	591.00
178.0	0.00	0.0	7986.2	7986.3	0.00	591.00
179.0	0.00	0.0	7986.2	7986.2	0.00	591.00
180.0	0.00	0.0	7986.2	7986.2	0.00	591.00
181.0	0.00	0.0	7986.2	7986.2	0.00	591.00
182.0	0.00	0.0	7986.2	7986.2	0.00	591.00

and File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	7986.2	7986.2	0.00	591.00
184.0	0.00	0.0	7986.2	7986.2	0.00	591.00
185.0	0.00	0.0	7986.2	7986.2	0.00	591.00
186.0	0.00	0.0	7986.2	7986.2	0.00	591.00
187.0	0.00	0.0	7986.2	7986.2	0.00	591.00
188.0	0.00	0.0	7986.2	7986.2	0.00	591.00
189.0	0.00	0.0	7986.2	7986.2	0.00	591.00
190.0	0.00	0.0	7986.2	7986.2	0.00	591.00
191.0	0.00	0.0	7986.2	7986.2	0.00	591.00
192.0	0.00	0.0	7986.2	7986.2	0.00	591.00
193.0	0.00	0.0	7986.2	7986.2	0.00	591.00
194.0	0.00	0.0	7986.2	7986.2	0.00	591.00
195.0	0.00	0.0	7986.2	7986.2	0.00	591.00
196.0	0.00	0.0	7986.1	7986.2	0.00	591.00
197.0	0.00	0.0	7986.1	7986.1	0.00	591.00
198.0	0.00	0.0	7986.1	7986.1	0.00	591.00
199.0	0.00	0.0	7986.1	7986.1	0.00	591.00
200.0	0.00	0.0	7986.1	7986.1	0.00	591.00
201.0	0.00	0.0	7986.1	7986.1	0.00	591.00
202.0	0.00	0.0	7986.1	7986.1	0.00	591.00
203.0	0.00	0.0	7986.1	7986.1	0.00	591.00
204.0	0.00	0.0	7986.1	7986.1	0.00	591.00
205.0	0.00	0.0	7986.1	7986.1	0.00	591.00
206.0	0.00	0.0	7986.1	7986.1	0.00	591.00
207.0	0.00	0.0	7986.1	7986.1	0.00	591.00
208.0	0.00	0.0	7986.1	7986.1	0.00	591.00
209.0	0.00	0.0	7986.1	7986.1	0.00	591.00
210.0	0.00	0.0	7986.1	7986.1	0.00	591.00
211.0	0.00	0.0	7986.1	7986.1	0.00	591.00
212.0	0.00	0.0	7986.1	7986.1	0.00	591.00
213.0	0.00	0.0	7986.1	7986.1	0.00	591.00
214.0	0.00	0.0	7986.1	7986.1	0.00	591.00
215.0	0.00	0.0	7986.1	7986.1	0.00	591.00
216.0	0.00	0.0	7986.1	7986.1	0.00	591.00
217.0	0.00	0.0	7986.1	7986.1	0.00	591.00
218.0	0.00	0.0	7986.1	7986.1	0.00	591.00
219.0	0.00	0.0	7986.1	7986.1	0.00	591.00
220.0	0.00	0.0	7986.1	7986.1	0.00	591.00
221.0	0.00	0.0	7986.1	7986.1	0.00	591.00
222.0	0.00	0.0	7986.1	7986.1	0.00	591.00
223.0	0.00	0.0	7986.1	7986.1	0.00	591.00
224.0	0.00	0.0	7986.1	7986.1	0.00	591.00
225.0	0.00	0.0	7986.1	7986.1	0.00	591.00
226.0	0.00	0.0	7986.1	7986.1	0.00	591.00
227.0	0.00	0.0	7986.1	7986.1	0.00	591.00
228.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	7986.1	7986.1	0.00	591.00
230.0	0.00	0.0	7986.1	7986.1	0.00	591.00
231.0	0.00	0.0	7986.1	7986.1	0.00	591.00
232.0	0.00	0.0	7986.1	7986.1	0.00	591.00
233.0	0.00	0.0	7986.1	7986.1	0.00	591.00
234.0	0.00	0.0	7986.1	7986.1	0.00	591.00
235.0	0.00	0.0	7986.1	7986.1	0.00	591.00
236.0	0.00	0.0	7986.1	7986.1	0.00	591.00
237.0	0.00	0.0	7986.1	7986.1	0.00	591.00
238.0	0.00	0.0	7986.1	7986.1	0.00	591.00
239.0	0.00	0.0	7986.1	7986.1	0.00	591.00
240.0	0.00	0.0	7986.1	7986.1	0.00	591.00
241.0	0.00	0.0	7986.1	7986.1	0.00	591.00
242.0	0.00	0.0	7986.1	7986.1	0.00	591.00
243.0	0.00	0.0	7986.1	7986.1	0.00	591.00
244.0	0.00	0.0	7986.1	7986.1	0.00	591.00
245.0	0.00	0.0	7986.1	7986.1	0.00	591.00
246.0	0.00	0.0	7986.1	7986.1	0.00	591.00
247.0	0.00	0.0	7986.1	7986.1	0.00	591.00
248.0	0.00	0.0	7986.1	7986.1	0.00	591.00
249.0	0.00	0.0	7986.1	7986.1	0.00	591.00
250.0	0.00	0.0	7986.1	7986.1	0.00	591.00
251.0	0.00	0.0	7986.1	7986.1	0.00	591.00
252.0	0.00	0.0	7986.1	7986.1	0.00	591.00
253.0	0.00	0.0	7986.1	7986.1	0.00	591.00
254.0	0.00	0.0	7986.1	7986.1	0.00	591.00
255.0	0.00	0.0	7986.1	7986.1	0.00	591.00
256.0	0.00	0.0	7986.1	7986.1	0.00	591.00
257.0	0.00	0.0	7986.1	7986.1	0.00	591.00
258.0	0.00	0.0	7986.1	7986.1	0.00	591.00
259.0	0.00	0.0	7986.1	7986.1	0.00	591.00
260.0	0.00	0.0	7986.1	7986.1	0.00	591.00
261.0	0.00	0.0	7986.1	7986.1	0.00	591.00
262.0	0.00	0.0	7986.1	7986.1	0.00	591.00
263.0	0.00	0.0	7986.1	7986.1	0.00	591.00
264.0	0.00	0.0	7986.1	7986.1	0.00	591.00
265.0	0.00	0.0	7986.1	7986.1	0.00	591.00
266.0	0.00	0.0	7986.1	7986.1	0.00	591.00
267.0	0.00	0.0	7986.1	7986.1	0.00	591.00
268.0	0.00	0.0	7986.1	7986.1	0.00	591.00
269.0	0.00	0.0	7986.1	7986.1	0.00	591.00
270.0	0.00	0.0	7986.1	7986.1	0.00	591.00
271.0	0.00	0.0	7986.1	7986.1	0.00	591.00
272.0	0.00	0.0	7986.1	7986.1	0.00	591.00
273.0	0.00	0.0	7986.1	7986.1	0.00	591.00
274.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN102.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	7986.1	7986.1	0.00	591.00
276.0	0.00	0.0	7986.1	7986.1	0.00	591.00
277.0	0.00	0.0	7986.1	7986.1	0.00	591.00
278.0	0.00	0.0	7986.1	7986.1	0.00	591.00
279.0	0.00	0.0	7986.1	7986.1	0.00	591.00
280.0	0.00	0.0	7986.1	7986.1	0.00	591.00
281.0	0.00	0.0	7986.1	7986.1	0.00	591.00
282.0	0.00	0.0	7986.1	7986.1	0.00	591.00
283.0	0.00	0.0	7986.1	7986.1	0.00	591.00
284.0	0.00	0.0	7986.1	7986.1	0.00	591.00
285.0	0.00	0.0	7986.1	7986.1	0.00	591.00
286.0	0.00	0.0	7986.1	7986.1	0.00	591.00
287.0	0.00	0.0	7986.1	7986.1	0.00	591.00
288.0	0.00	0.0	7986.1	7986.1	0.00	591.00
289.0	0.00	0.0	7986.1	7986.1	0.00	591.00
290.0	0.00	0.0	7986.1	7986.1	0.00	591.00
291.0	0.00	0.0	7986.1	7986.1	0.00	591.00
292.0	0.00	0.0	7986.1	7986.1	0.00	591.00
293.0	0.00	0.0	7986.1	7986.1	0.00	591.00
294.0	0.00	0.0	7986.1	7986.1	0.00	591.00
295.0	0.00	0.0	7986.1	7986.1	0.00	591.00
296.0	0.00	0.0	7986.1	7986.1	0.00	591.00
297.0	0.00	0.0	7986.1	7986.1	0.00	591.00
298.0	0.00	0.0	7986.1	7986.1	0.00	591.00
299.0	0.00	0.0	7986.1	7986.1	0.00	591.00
300.0	0.00	0.0	7986.1	7986.1	0.00	591.00
301.0	0.00	0.0	7986.1	7986.1	0.00	591.00
302.0	0.00	0.0	7986.1	7986.1	0.00	591.00
303.0	0.00	0.0	7986.1	7986.1	0.00	591.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1AB.PND
Inflow Hydrograph: j:\DATA\0312269\02BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN102 .HYD

Starting Pond W.S. Elevation = 591.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 43.77 cfs
Peak Outflow = 37.02 cfs
Peak Elevation = 591.69 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 239,583 cu-ft
Peak Storage From Storm = 22,786 cu-ft

Total Storage in Pond = 262,369 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   RETENTION BASIN #1          *
*
*
*
*****
  
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Inflow Hydrograph: j:\DATA\0312269\15BASIN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1AB.PND

----INITIAL CONDITIONS----
 Elevation = 591.00 ft
 Outflow = 0.00 cfs
 Storage = 239,583 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
591.00	0.0	239,583	7986.1	7986.1
591.20	5.7	246,036	8201.2	8206.9
591.40	16.1	252,588	8419.6	8435.7
591.60	29.6	259,239	8641.3	8670.9
591.80	45.6	265,993	8866.4	8912.0
592.00	63.8	272,849	9094.9	9158.7
592.20	83.9	279,806	9326.9	9410.8
592.40	105.7	286,866	9562.2	9667.9
592.60	128.7	294,027	9800.9	9929.6
592.80	143.1	301,293	10043.1	10186.2
593.00	156.1	308,664	10288.8	10444.9
593.20	168.1	316,140	10538.0	10706.1
593.40	179.4	323,722	10790.7	10970.1
593.60	189.9	331,408	11046.9	11236.8
593.80	199.9	339,204	11306.8	11506.7
594.00	209.5	347,109	11570.3	11779.8

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN115.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	7986.1	7986.1	0.00	591.00
1.0	7.14	7.1	7992.9	7993.2	0.18	591.01
2.0	21.41	28.6	8019.6	8021.4	0.91	591.03
3.0	28.55	50.0	8065.2	8069.5	2.15	591.08
4.0	35.69	64.2	8122.1	8129.5	3.70	591.13
5.0	42.82	78.5	8189.5	8200.6	5.54	591.19
6.0	57.10	99.9	8270.5	8289.4	9.45	591.27
7.0	64.23	121.3	8363.6	8391.9	14.11	591.36
8.0	71.37	135.6	8459.7	8499.2	19.75	591.45
9.0	71.37	142.7	8551.1	8602.5	25.67	591.54
10.0	71.37	142.7	8631.6	8693.9	31.13	591.62
11.0	71.37	142.7	8701.4	8774.4	36.47	591.69
12.0	71.37	142.7	8762.0	8844.2	41.10	591.74
13.0	71.37	142.7	8814.5	8904.7	45.12	591.79
14.0	71.37	142.7	8859.4	8957.2	48.93	591.84
15.0	71.37	142.7	8897.6	9002.1	52.24	591.87
16.0	71.37	142.7	8930.2	9040.3	55.07	591.90
17.0	71.37	142.7	8958.0	9073.0	57.47	591.93
18.0	71.37	142.7	8981.7	9100.7	59.52	591.95
19.0	71.37	142.7	9001.9	9124.4	61.27	591.97
20.0	71.37	142.7	9019.1	9144.6	62.76	591.99
21.0	64.23	135.6	9027.7	9154.7	63.50	592.00
22.0	57.10	121.3	9022.9	9149.0	63.09	591.99
23.0	42.82	99.9	9000.5	9122.8	61.15	591.97
24.0	35.69	78.5	8963.2	9079.0	57.92	591.94
25.0	28.55	64.2	8919.2	9027.4	54.11	591.89
26.0	21.41	50.0	8869.5	8969.1	49.81	591.85
27.0	7.14	28.6	8808.7	8898.1	44.67	591.79
28.0	0.00	7.1	8737.4	8815.9	39.22	591.72
29.0	0.00	0.0	8669.4	8737.4	34.01	591.66
30.0	0.00	0.0	8610.4	8669.4	29.51	591.60
31.0	0.00	0.0	8558.1	8610.4	26.13	591.55
32.0	0.00	0.0	8511.9	8558.1	23.13	591.50
33.0	0.00	0.0	8470.9	8511.9	20.47	591.46
34.0	0.00	0.0	8434.7	8470.9	18.12	591.43
35.0	0.00	0.0	8402.6	8434.7	16.05	591.40
36.0	0.00	0.0	8373.4	8402.6	14.59	591.37
37.0	0.00	0.0	8346.8	8373.4	13.27	591.35
38.0	0.00	0.0	8322.7	8346.8	12.06	591.32
39.0	0.00	0.0	8300.8	8322.7	10.96	591.30
40.0	0.00	0.0	8280.9	8300.8	9.97	591.28
41.0	0.00	0.0	8262.7	8280.9	9.06	591.26
42.0	0.00	0.0	8246.3	8262.7	8.24	591.25
43.0	0.00	0.0	8231.3	8246.3	7.49	591.23
44.0	0.00	0.0	8217.7	8231.3	6.81	591.22

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN115.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	8205.3	8217.7	6.19	591.21
46.0	0.00	0.0	8194.0	8205.3	5.66	591.20
47.0	0.00	0.0	8183.2	8194.0	5.37	591.19
48.0	0.00	0.0	8173.0	8183.2	5.09	591.18
49.0	0.00	0.0	8163.4	8173.0	4.83	591.17
50.0	0.00	0.0	8154.2	8163.4	4.58	591.16
51.0	0.00	0.0	8145.6	8154.2	4.34	591.15
52.0	0.00	0.0	8137.3	8145.6	4.12	591.14
53.0	0.00	0.0	8129.5	8137.3	3.90	591.14
54.0	0.00	0.0	8122.1	8129.5	3.70	591.13
55.0	0.00	0.0	8115.1	8122.1	3.51	591.12
56.0	0.00	0.0	8108.4	8115.1	3.33	591.12
57.0	0.00	0.0	8102.1	8108.4	3.16	591.11
58.0	0.00	0.0	8096.1	8102.1	3.00	591.11
59.0	0.00	0.0	8090.4	8096.1	2.84	591.10
60.0	0.00	0.0	8085.1	8090.4	2.69	591.09
61.0	0.00	0.0	8079.9	8085.1	2.55	591.09
62.0	0.00	0.0	8075.1	8079.9	2.42	591.09
63.0	0.00	0.0	8070.5	8075.1	2.30	591.08
64.0	0.00	0.0	8066.1	8070.5	2.18	591.08
65.0	0.00	0.0	8062.0	8066.1	2.07	591.07
66.0	0.00	0.0	8058.1	8062.0	1.96	591.07
67.0	0.00	0.0	8054.4	8058.1	1.86	591.07
68.0	0.00	0.0	8050.8	8054.4	1.76	591.06
69.0	0.00	0.0	8047.5	8050.8	1.67	591.06
70.0	0.00	0.0	8044.3	8047.5	1.59	591.06
71.0	0.00	0.0	8041.3	8044.3	1.50	591.05
72.0	0.00	0.0	8038.5	8041.3	1.43	591.05
73.0	0.00	0.0	8035.8	8038.5	1.35	591.05
74.0	0.00	0.0	8033.2	8035.8	1.28	591.05
75.0	0.00	0.0	8030.8	8033.2	1.22	591.04
76.0	0.00	0.0	8028.5	8030.8	1.15	591.04
77.0	0.00	0.0	8026.3	8028.5	1.09	591.04
78.0	0.00	0.0	8024.2	8026.3	1.04	591.04
79.0	0.00	0.0	8022.2	8024.2	0.98	591.03
80.0	0.00	0.0	8020.4	8022.2	0.93	591.03
81.0	0.00	0.0	8018.6	8020.4	0.88	591.03
82.0	0.00	0.0	8016.9	8018.6	0.84	591.03
83.0	0.00	0.0	8015.3	8016.9	0.80	591.03
84.0	0.00	0.0	8013.8	8015.3	0.75	591.03
85.0	0.00	0.0	8012.4	8013.8	0.72	591.03
86.0	0.00	0.0	8011.0	8012.4	0.68	591.02
87.0	0.00	0.0	8009.7	8011.0	0.64	591.02
88.0	0.00	0.0	8008.5	8009.7	0.61	591.02
89.0	0.00	0.0	8007.4	8008.5	0.58	591.02
90.0	0.00	0.0	8006.3	8007.4	0.55	591.02

id File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN15.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	8005.2	8006.3	0.52	591.02
92.0	0.00	0.0	8004.2	8005.2	0.49	591.02
93.0	0.00	0.0	8003.3	8004.2	0.47	591.02
94.0	0.00	0.0	8002.4	8003.3	0.44	591.02
95.0	0.00	0.0	8001.6	8002.4	0.42	591.01
96.0	0.00	0.0	8000.8	8001.6	0.40	591.01
97.0	0.00	0.0	8000.0	8000.8	0.38	591.01
98.0	0.00	0.0	7999.3	8000.0	0.36	591.01
99.0	0.00	0.0	7998.6	7999.3	0.34	591.01
100.0	0.00	0.0	7998.0	7998.6	0.32	591.01
101.0	0.00	0.0	7997.3	7998.0	0.31	591.01
102.0	0.00	0.0	7996.8	7997.3	0.29	591.01
103.0	0.00	0.0	7996.2	7996.8	0.28	591.01
104.0	0.00	0.0	7995.7	7996.2	0.26	591.01
105.0	0.00	0.0	7995.2	7995.7	0.25	591.01
106.0	0.00	0.0	7994.7	7995.2	0.24	591.01
107.0	0.00	0.0	7994.3	7994.7	0.22	591.01
108.0	0.00	0.0	7993.9	7994.3	0.21	591.01
109.0	0.00	0.0	7993.5	7993.9	0.20	591.01
110.0	0.00	0.0	7993.1	7993.5	0.19	591.01
111.0	0.00	0.0	7992.7	7993.1	0.18	591.01
112.0	0.00	0.0	7992.4	7992.7	0.17	591.01
113.0	0.00	0.0	7992.0	7992.4	0.16	591.01
114.0	0.00	0.0	7991.7	7992.0	0.15	591.01
115.0	0.00	0.0	7991.4	7991.7	0.15	591.01
116.0	0.00	0.0	7991.2	7991.4	0.14	591.00
117.0	0.00	0.0	7990.9	7991.2	0.13	591.00
118.0	0.00	0.0	7990.7	7990.9	0.12	591.00
119.0	0.00	0.0	7990.4	7990.7	0.12	591.00
120.0	0.00	0.0	7990.2	7990.4	0.11	591.00
121.0	0.00	0.0	7990.0	7990.2	0.11	591.00
122.0	0.00	0.0	7989.8	7990.0	0.10	591.00
123.0	0.00	0.0	7989.6	7989.8	0.10	591.00
124.0	0.00	0.0	7989.4	7989.6	0.09	591.00
125.0	0.00	0.0	7989.2	7989.4	0.09	591.00
126.0	0.00	0.0	7989.1	7989.2	0.08	591.00
127.0	0.00	0.0	7988.9	7989.1	0.08	591.00
128.0	0.00	0.0	7988.8	7988.9	0.07	591.00
129.0	0.00	0.0	7988.6	7988.8	0.07	591.00
130.0	0.00	0.0	7988.5	7988.6	0.07	591.00
131.0	0.00	0.0	7988.4	7988.5	0.06	591.00
132.0	0.00	0.0	7988.3	7988.4	0.06	591.00
133.0	0.00	0.0	7988.2	7988.3	0.06	591.00
134.0	0.00	0.0	7988.0	7988.2	0.05	591.00
135.0	0.00	0.0	7987.9	7988.0	0.05	591.00
136.0	0.00	0.0	7987.8	7987.9	0.05	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN115.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	7987.8	7987.8	0.05	591.00
138.0	0.00	0.0	7987.7	7987.8	0.04	591.00
139.0	0.00	0.0	7987.6	7987.7	0.04	591.00
140.0	0.00	0.0	7987.5	7987.6	0.04	591.00
141.0	0.00	0.0	7987.4	7987.5	0.04	591.00
142.0	0.00	0.0	7987.4	7987.4	0.03	591.00
143.0	0.00	0.0	7987.3	7987.4	0.03	591.00
144.0	0.00	0.0	7987.2	7987.3	0.03	591.00
145.0	0.00	0.0	7987.2	7987.2	0.03	591.00
146.0	0.00	0.0	7987.1	7987.2	0.03	591.00
147.0	0.00	0.0	7987.1	7987.1	0.03	591.00
148.0	0.00	0.0	7987.0	7987.1	0.03	591.00
149.0	0.00	0.0	7987.0	7987.0	0.02	591.00
150.0	0.00	0.0	7986.9	7987.0	0.02	591.00
151.0	0.00	0.0	7986.9	7986.9	0.02	591.00
152.0	0.00	0.0	7986.8	7986.9	0.02	591.00
153.0	0.00	0.0	7986.8	7986.8	0.02	591.00
154.0	0.00	0.0	7986.8	7986.8	0.02	591.00
155.0	0.00	0.0	7986.7	7986.8	0.02	591.00
156.0	0.00	0.0	7986.7	7986.7	0.02	591.00
157.0	0.00	0.0	7986.7	7986.7	0.02	591.00
158.0	0.00	0.0	7986.6	7986.7	0.01	591.00
159.0	0.00	0.0	7986.6	7986.6	0.01	591.00
160.0	0.00	0.0	7986.6	7986.6	0.01	591.00
161.0	0.00	0.0	7986.6	7986.6	0.01	591.00
162.0	0.00	0.0	7986.5	7986.6	0.01	591.00
163.0	0.00	0.0	7986.5	7986.5	0.01	591.00
164.0	0.00	0.0	7986.5	7986.5	0.01	591.00
165.0	0.00	0.0	7986.5	7986.5	0.01	591.00
166.0	0.00	0.0	7986.4	7986.5	0.01	591.00
167.0	0.00	0.0	7986.4	7986.4	0.01	591.00
168.0	0.00	0.0	7986.4	7986.4	0.01	591.00
169.0	0.00	0.0	7986.4	7986.4	0.01	591.00
170.0	0.00	0.0	7986.4	7986.4	0.01	591.00
171.0	0.00	0.0	7986.4	7986.4	0.01	591.00
172.0	0.00	0.0	7986.3	7986.4	0.01	591.00
173.0	0.00	0.0	7986.3	7986.3	0.01	591.00
174.0	0.00	0.0	7986.3	7986.3	0.01	591.00
175.0	0.00	0.0	7986.3	7986.3	0.01	591.00
176.0	0.00	0.0	7986.3	7986.3	0.01	591.00
177.0	0.00	0.0	7986.3	7986.3	0.01	591.00
178.0	0.00	0.0	7986.3	7986.3	0.01	591.00
179.0	0.00	0.0	7986.3	7986.3	0.00	591.00
180.0	0.00	0.0	7986.3	7986.3	0.00	591.00
181.0	0.00	0.0	7986.2	7986.3	0.00	591.00
182.0	0.00	0.0	7986.2	7986.2	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	7986.2	7986.2	0.00	591.00
184.0	0.00	0.0	7986.2	7986.2	0.00	591.00
185.0	0.00	0.0	7986.2	7986.2	0.00	591.00
186.0	0.00	0.0	7986.2	7986.2	0.00	591.00
187.0	0.00	0.0	7986.2	7986.2	0.00	591.00
188.0	0.00	0.0	7986.2	7986.2	0.00	591.00
189.0	0.00	0.0	7986.2	7986.2	0.00	591.00
190.0	0.00	0.0	7986.2	7986.2	0.00	591.00
191.0	0.00	0.0	7986.2	7986.2	0.00	591.00
192.0	0.00	0.0	7986.2	7986.2	0.00	591.00
193.0	0.00	0.0	7986.2	7986.2	0.00	591.00
194.0	0.00	0.0	7986.2	7986.2	0.00	591.00
195.0	0.00	0.0	7986.2	7986.2	0.00	591.00
196.0	0.00	0.0	7986.2	7986.2	0.00	591.00
197.0	0.00	0.0	7986.2	7986.2	0.00	591.00
198.0	0.00	0.0	7986.2	7986.2	0.00	591.00
199.0	0.00	0.0	7986.1	7986.2	0.00	591.00
200.0	0.00	0.0	7986.1	7986.1	0.00	591.00
201.0	0.00	0.0	7986.1	7986.1	0.00	591.00
202.0	0.00	0.0	7986.1	7986.1	0.00	591.00
203.0	0.00	0.0	7986.1	7986.1	0.00	591.00
204.0	0.00	0.0	7986.1	7986.1	0.00	591.00
205.0	0.00	0.0	7986.1	7986.1	0.00	591.00
206.0	0.00	0.0	7986.1	7986.1	0.00	591.00
207.0	0.00	0.0	7986.1	7986.1	0.00	591.00
208.0	0.00	0.0	7986.1	7986.1	0.00	591.00
209.0	0.00	0.0	7986.1	7986.1	0.00	591.00
210.0	0.00	0.0	7986.1	7986.1	0.00	591.00
211.0	0.00	0.0	7986.1	7986.1	0.00	591.00
212.0	0.00	0.0	7986.1	7986.1	0.00	591.00
213.0	0.00	0.0	7986.1	7986.1	0.00	591.00
214.0	0.00	0.0	7986.1	7986.1	0.00	591.00
215.0	0.00	0.0	7986.1	7986.1	0.00	591.00
216.0	0.00	0.0	7986.1	7986.1	0.00	591.00
217.0	0.00	0.0	7986.1	7986.1	0.00	591.00
218.0	0.00	0.0	7986.1	7986.1	0.00	591.00
219.0	0.00	0.0	7986.1	7986.1	0.00	591.00
220.0	0.00	0.0	7986.1	7986.1	0.00	591.00
221.0	0.00	0.0	7986.1	7986.1	0.00	591.00
222.0	0.00	0.0	7986.1	7986.1	0.00	591.00
223.0	0.00	0.0	7986.1	7986.1	0.00	591.00
224.0	0.00	0.0	7986.1	7986.1	0.00	591.00
225.0	0.00	0.0	7986.1	7986.1	0.00	591.00
226.0	0.00	0.0	7986.1	7986.1	0.00	591.00
227.0	0.00	0.0	7986.1	7986.1	0.00	591.00
228.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN15.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	7986.1	7986.1	0.00	591.00
230.0	0.00	0.0	7986.1	7986.1	0.00	591.00
231.0	0.00	0.0	7986.1	7986.1	0.00	591.00
232.0	0.00	0.0	7986.1	7986.1	0.00	591.00
233.0	0.00	0.0	7986.1	7986.1	0.00	591.00
234.0	0.00	0.0	7986.1	7986.1	0.00	591.00
235.0	0.00	0.0	7986.1	7986.1	0.00	591.00
236.0	0.00	0.0	7986.1	7986.1	0.00	591.00
237.0	0.00	0.0	7986.1	7986.1	0.00	591.00
238.0	0.00	0.0	7986.1	7986.1	0.00	591.00
239.0	0.00	0.0	7986.1	7986.1	0.00	591.00
240.0	0.00	0.0	7986.1	7986.1	0.00	591.00
241.0	0.00	0.0	7986.1	7986.1	0.00	591.00
242.0	0.00	0.0	7986.1	7986.1	0.00	591.00
243.0	0.00	0.0	7986.1	7986.1	0.00	591.00
244.0	0.00	0.0	7986.1	7986.1	0.00	591.00
245.0	0.00	0.0	7986.1	7986.1	0.00	591.00
246.0	0.00	0.0	7986.1	7986.1	0.00	591.00
247.0	0.00	0.0	7986.1	7986.1	0.00	591.00
248.0	0.00	0.0	7986.1	7986.1	0.00	591.00
249.0	0.00	0.0	7986.1	7986.1	0.00	591.00
250.0	0.00	0.0	7986.1	7986.1	0.00	591.00
251.0	0.00	0.0	7986.1	7986.1	0.00	591.00
252.0	0.00	0.0	7986.1	7986.1	0.00	591.00
253.0	0.00	0.0	7986.1	7986.1	0.00	591.00
254.0	0.00	0.0	7986.1	7986.1	0.00	591.00
255.0	0.00	0.0	7986.1	7986.1	0.00	591.00
256.0	0.00	0.0	7986.1	7986.1	0.00	591.00
257.0	0.00	0.0	7986.1	7986.1	0.00	591.00
258.0	0.00	0.0	7986.1	7986.1	0.00	591.00
259.0	0.00	0.0	7986.1	7986.1	0.00	591.00
260.0	0.00	0.0	7986.1	7986.1	0.00	591.00
261.0	0.00	0.0	7986.1	7986.1	0.00	591.00
262.0	0.00	0.0	7986.1	7986.1	0.00	591.00
263.0	0.00	0.0	7986.1	7986.1	0.00	591.00
264.0	0.00	0.0	7986.1	7986.1	0.00	591.00
265.0	0.00	0.0	7986.1	7986.1	0.00	591.00
266.0	0.00	0.0	7986.1	7986.1	0.00	591.00
267.0	0.00	0.0	7986.1	7986.1	0.00	591.00
268.0	0.00	0.0	7986.1	7986.1	0.00	591.00
269.0	0.00	0.0	7986.1	7986.1	0.00	591.00
270.0	0.00	0.0	7986.1	7986.1	0.00	591.00
271.0	0.00	0.0	7986.1	7986.1	0.00	591.00
272.0	0.00	0.0	7986.1	7986.1	0.00	591.00
273.0	0.00	0.0	7986.1	7986.1	0.00	591.00
274.0	0.00	0.0	7986.1	7986.1	0.00	591.00

and File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	7986.1	7986.1	0.00	591.00
276.0	0.00	0.0	7986.1	7986.1	0.00	591.00
277.0	0.00	0.0	7986.1	7986.1	0.00	591.00
278.0	0.00	0.0	7986.1	7986.1	0.00	591.00
279.0	0.00	0.0	7986.1	7986.1	0.00	591.00
280.0	0.00	0.0	7986.1	7986.1	0.00	591.00
281.0	0.00	0.0	7986.1	7986.1	0.00	591.00
282.0	0.00	0.0	7986.1	7986.1	0.00	591.00
283.0	0.00	0.0	7986.1	7986.1	0.00	591.00
284.0	0.00	0.0	7986.1	7986.1	0.00	591.00
285.0	0.00	0.0	7986.1	7986.1	0.00	591.00
286.0	0.00	0.0	7986.1	7986.1	0.00	591.00
287.0	0.00	0.0	7986.1	7986.1	0.00	591.00
288.0	0.00	0.0	7986.1	7986.1	0.00	591.00
289.0	0.00	0.0	7986.1	7986.1	0.00	591.00
290.0	0.00	0.0	7986.1	7986.1	0.00	591.00
291.0	0.00	0.0	7986.1	7986.1	0.00	591.00
292.0	0.00	0.0	7986.1	7986.1	0.00	591.00
293.0	0.00	0.0	7986.1	7986.1	0.00	591.00
294.0	0.00	0.0	7986.1	7986.1	0.00	591.00
295.0	0.00	0.0	7986.1	7986.1	0.00	591.00
296.0	0.00	0.0	7986.1	7986.1	0.00	591.00
297.0	0.00	0.0	7986.1	7986.1	0.00	591.00
298.0	0.00	0.0	7986.1	7986.1	0.00	591.00
299.0	0.00	0.0	7986.1	7986.1	0.00	591.00
300.0	0.00	0.0	7986.1	7986.1	0.00	591.00
301.0	0.00	0.0	7986.1	7986.1	0.00	591.00
302.0	0.00	0.0	7986.1	7986.1	0.00	591.00
303.0	0.00	0.0	7986.1	7986.1	0.00	591.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1AB.PND
Inflow Hydrograph: j:\DATA\0312269\15BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN115 .HYD

Starting Pond W.S. Elevation = 591.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow	=	71.37 cfs
Peak Outflow	=	63.50 cfs
Peak Elevation	=	592.00 ft

***** Summary of Approximate Peak Storage *****

Initial Storage	=	239,583 cu-ft
Peak Storage From Storm	=	33,155 cu-ft

Total Storage in Pond	=	272,738 cu-ft

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*****
*
* THE VILLAGES @ SPRINGHURST *
* RETENTION BASIN #1 *
* *
* *
* *
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Inflow Hydrograph: j:\DATA\0312269\25BASIN1 .HYD
 Rating Table file: j:\DATA\0312269\BASIN1AB.PND

----INITIAL CONDITIONS----
 Elevation = 591.00 ft
 Outflow = 0.00 cfs
 Storage = 239,583 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
591.00	0.0	239,583	7986.1	7986.1
591.20	5.7	246,036	8201.2	8206.9
591.40	16.1	252,588	8419.6	8435.7
591.60	29.6	259,239	8641.3	8670.9
591.80	45.6	265,993	8866.4	8912.0
592.00	63.8	272,849	9094.9	9158.7
592.20	83.9	279,806	9326.9	9410.8
592.40	105.7	286,866	9562.2	9667.9
592.60	128.7	294,027	9800.9	9929.6
592.80	143.1	301,293	10043.1	10186.2
593.00	156.1	308,664	10288.8	10444.9
593.20	168.1	316,140	10538.0	10706.1
593.40	179.4	323,722	10790.7	10970.1
593.60	189.9	331,408	11046.9	11236.8
593.80	199.9	339,204	11306.8	11506.7
594.00	209.5	347,109	11570.3	11779.8

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	7986.1	7986.1	0.00	591.00
1.0	8.80	8.8	7994.4	7994.9	0.23	591.01
2.0	26.41	35.2	8027.4	8029.6	1.12	591.04
3.0	35.21	61.6	8083.7	8089.0	2.66	591.09
4.0	44.01	79.2	8153.8	8162.9	4.56	591.16
5.0	52.81	96.8	8235.2	8250.6	7.69	591.24
6.0	70.42	123.2	8333.3	8358.5	12.59	591.33
7.0	79.22	149.6	8445.3	8482.9	18.81	591.44
8.0	88.02	167.2	8560.0	8612.5	26.25	591.55
9.0	88.02	176.0	8668.2	8736.1	33.93	591.65
10.0	88.02	176.0	8762.1	8844.3	41.10	591.74
11.0	88.02	176.0	8843.1	8938.1	47.52	591.82
12.0	88.02	176.0	8912.1	9019.1	53.50	591.89
13.0	88.02	176.0	8970.9	9088.1	58.59	591.94
14.0	88.02	176.0	9021.1	9147.0	62.93	591.99
15.0	88.02	176.0	9063.4	9197.2	66.86	592.03
16.0	88.02	176.0	9099.0	9239.5	70.24	592.06
17.0	88.02	176.0	9128.9	9275.0	73.08	592.09
18.0	88.02	176.0	9154.0	9304.9	75.46	592.12
19.0	88.02	176.0	9175.1	9330.0	77.46	592.14
20.0	88.02	176.0	9192.9	9351.2	79.15	592.15
21.0	79.22	167.2	9200.4	9360.1	79.86	592.16
22.0	70.42	149.6	9191.9	9350.0	79.06	592.15
23.0	52.81	123.2	9162.6	9315.1	76.27	592.12
24.0	44.01	96.8	9115.8	9259.4	71.83	592.08
25.0	35.21	79.2	9061.6	9195.0	66.69	592.03
26.0	26.41	61.6	9000.9	9123.2	61.18	591.97
27.0	8.80	35.2	8926.6	9036.1	54.75	591.90
28.0	0.00	8.8	8840.7	8935.4	47.32	591.82
29.0	0.00	0.0	8759.0	8840.7	40.87	591.74
30.0	0.00	0.0	8688.1	8759.0	35.45	591.67
31.0	0.00	0.0	8626.6	8688.1	30.74	591.61
32.0	0.00	0.0	8572.5	8626.6	27.06	591.56
33.0	0.00	0.0	8524.6	8572.5	23.95	591.52
34.0	0.00	0.0	8482.2	8524.6	21.20	591.48
35.0	0.00	0.0	8444.6	8482.2	18.77	591.44
36.0	0.00	0.0	8411.4	8444.6	16.61	591.41
37.0	0.00	0.0	8381.4	8411.4	15.00	591.38
38.0	0.00	0.0	8354.2	8381.4	13.63	591.35
39.0	0.00	0.0	8329.4	8354.2	12.39	591.33
40.0	0.00	0.0	8306.8	8329.4	11.27	591.31
41.0	0.00	0.0	8286.3	8306.8	10.24	591.29
42.0	0.00	0.0	8267.7	8286.3	9.31	591.27
43.0	0.00	0.0	8250.8	8267.7	8.47	591.25
44.0	0.00	0.0	8235.4	8250.8	7.70	591.24

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	8221.4	8235.4	7.00	591.22
46.0	0.00	0.0	8208.7	8221.4	6.36	591.21
47.0	0.00	0.0	8197.1	8208.7	5.78	591.20
48.0	0.00	0.0	8186.2	8197.1	5.45	591.19
49.0	0.00	0.0	8175.9	8186.2	5.17	591.18
50.0	0.00	0.0	8166.1	8175.9	4.90	591.17
51.0	0.00	0.0	8156.8	8166.1	4.65	591.16
52.0	0.00	0.0	8148.0	8156.8	4.41	591.15
53.0	0.00	0.0	8139.6	8148.0	4.18	591.15
54.0	0.00	0.0	8131.7	8139.6	3.96	591.14
55.0	0.00	0.0	8124.2	8131.7	3.76	591.13
56.0	0.00	0.0	8117.1	8124.2	3.57	591.13
57.0	0.00	0.0	8110.3	8117.1	3.38	591.12
58.0	0.00	0.0	8103.9	8110.3	3.21	591.11
59.0	0.00	0.0	8097.8	8103.9	3.04	591.11
60.0	0.00	0.0	8092.0	8097.8	2.88	591.10
61.0	0.00	0.0	8086.6	8092.0	2.73	591.10
62.0	0.00	0.0	8081.4	8086.6	2.59	591.09
63.0	0.00	0.0	8076.5	8081.4	2.46	591.09
64.0	0.00	0.0	8071.8	8076.5	2.33	591.08
65.0	0.00	0.0	8067.4	8071.8	2.21	591.08
66.0	0.00	0.0	8063.2	8067.4	2.10	591.07
67.0	0.00	0.0	8059.2	8063.2	1.99	591.07
68.0	0.00	0.0	8055.4	8059.2	1.89	591.07
69.0	0.00	0.0	8051.8	8055.4	1.79	591.06
70.0	0.00	0.0	8048.4	8051.8	1.70	591.06
71.0	0.00	0.0	8045.2	8048.4	1.61	591.06
72.0	0.00	0.0	8042.2	8045.2	1.53	591.05
73.0	0.00	0.0	8039.3	8042.2	1.45	591.05
74.0	0.00	0.0	8036.5	8039.3	1.37	591.05
75.0	0.00	0.0	8033.9	8036.5	1.30	591.05
76.0	0.00	0.0	8031.5	8033.9	1.23	591.04
77.0	0.00	0.0	8029.1	8031.5	1.17	591.04
78.0	0.00	0.0	8026.9	8029.1	1.11	591.04
79.0	0.00	0.0	8024.8	8026.9	1.05	591.04
80.0	0.00	0.0	8022.8	8024.8	1.00	591.04
81.0	0.00	0.0	8020.9	8022.8	0.95	591.03
82.0	0.00	0.0	8019.1	8020.9	0.90	591.03
83.0	0.00	0.0	8017.4	8019.1	0.85	591.03
84.0	0.00	0.0	8015.8	8017.4	0.81	591.03
85.0	0.00	0.0	8014.2	8015.8	0.77	591.03
86.0	0.00	0.0	8012.8	8014.2	0.73	591.03
87.0	0.00	0.0	8011.4	8012.8	0.69	591.02
88.0	0.00	0.0	8010.1	8011.4	0.65	591.02
89.0	0.00	0.0	8008.9	8010.1	0.62	591.02
90.0	0.00	0.0	8007.7	8008.9	0.59	591.02

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	8006.6	8007.7	0.56	591.02
92.0	0.00	0.0	8005.5	8006.6	0.53	591.02
93.0	0.00	0.0	8004.5	8005.5	0.50	591.02
94.0	0.00	0.0	8003.6	8004.5	0.48	591.02
95.0	0.00	0.0	8002.7	8003.6	0.45	591.02
96.0	0.00	0.0	8001.8	8002.7	0.43	591.02
97.0	0.00	0.0	8001.0	8001.8	0.41	591.01
98.0	0.00	0.0	8000.2	8001.0	0.38	591.01
99.0	0.00	0.0	7999.5	8000.2	0.36	591.01
100.0	0.00	0.0	7998.8	7999.5	0.35	591.01
101.0	0.00	0.0	7998.1	7998.8	0.33	591.01
102.0	0.00	0.0	7997.5	7998.1	0.31	591.01
103.0	0.00	0.0	7996.9	7997.5	0.30	591.01
104.0	0.00	0.0	7996.4	7996.9	0.28	591.01
105.0	0.00	0.0	7995.8	7996.4	0.27	591.01
106.0	0.00	0.0	7995.3	7995.8	0.25	591.01
107.0	0.00	0.0	7994.9	7995.3	0.24	591.01
108.0	0.00	0.0	7994.4	7994.9	0.23	591.01
109.0	0.00	0.0	7994.0	7994.4	0.21	591.01
110.0	0.00	0.0	7993.6	7994.0	0.20	591.01
111.0	0.00	0.0	7993.2	7993.6	0.19	591.01
112.0	0.00	0.0	7992.8	7993.2	0.18	591.01
113.0	0.00	0.0	7992.5	7992.8	0.17	591.01
114.0	0.00	0.0	7992.1	7992.5	0.16	591.01
115.0	0.00	0.0	7991.8	7992.1	0.16	591.01
116.0	0.00	0.0	7991.5	7991.8	0.15	591.01
117.0	0.00	0.0	7991.2	7991.5	0.14	591.00
118.0	0.00	0.0	7991.0	7991.2	0.13	591.00
119.0	0.00	0.0	7990.7	7991.0	0.13	591.00
120.0	0.00	0.0	7990.5	7990.7	0.12	591.00
121.0	0.00	0.0	7990.3	7990.5	0.11	591.00
122.0	0.00	0.0	7990.0	7990.3	0.11	591.00
123.0	0.00	0.0	7989.8	7990.0	0.10	591.00
124.0	0.00	0.0	7989.6	7989.8	0.10	591.00
125.0	0.00	0.0	7989.5	7989.6	0.09	591.00
126.0	0.00	0.0	7989.3	7989.5	0.09	591.00
127.0	0.00	0.0	7989.1	7989.3	0.08	591.00
128.0	0.00	0.0	7989.0	7989.1	0.08	591.00
129.0	0.00	0.0	7988.8	7989.0	0.07	591.00
130.0	0.00	0.0	7988.7	7988.8	0.07	591.00
131.0	0.00	0.0	7988.5	7988.7	0.07	591.00
132.0	0.00	0.0	7988.4	7988.5	0.06	591.00
133.0	0.00	0.0	7988.3	7988.4	0.06	591.00
134.0	0.00	0.0	7988.2	7988.3	0.06	591.00
135.0	0.00	0.0	7988.1	7988.2	0.05	591.00
136.0	0.00	0.0	7988.0	7988.1	0.05	591.00

and File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	7987.9	7988.0	0.05	591.00
138.0	0.00	0.0	7987.8	7987.9	0.05	591.00
139.0	0.00	0.0	7987.7	7987.8	0.04	591.00
140.0	0.00	0.0	7987.6	7987.7	0.04	591.00
141.0	0.00	0.0	7987.5	7987.6	0.04	591.00
142.0	0.00	0.0	7987.5	7987.5	0.04	591.00
143.0	0.00	0.0	7987.4	7987.5	0.04	591.00
144.0	0.00	0.0	7987.3	7987.4	0.03	591.00
145.0	0.00	0.0	7987.3	7987.3	0.03	591.00
146.0	0.00	0.0	7987.2	7987.3	0.03	591.00
147.0	0.00	0.0	7987.1	7987.2	0.03	591.00
148.0	0.00	0.0	7987.1	7987.1	0.03	591.00
149.0	0.00	0.0	7987.0	7987.1	0.03	591.00
150.0	0.00	0.0	7987.0	7987.0	0.02	591.00
151.0	0.00	0.0	7986.9	7987.0	0.02	591.00
152.0	0.00	0.0	7986.9	7986.9	0.02	591.00
153.0	0.00	0.0	7986.9	7986.9	0.02	591.00
154.0	0.00	0.0	7986.8	7986.9	0.02	591.00
155.0	0.00	0.0	7986.8	7986.8	0.02	591.00
156.0	0.00	0.0	7986.7	7986.8	0.02	591.00
157.0	0.00	0.0	7986.7	7986.7	0.02	591.00
158.0	0.00	0.0	7986.7	7986.7	0.02	591.00
159.0	0.00	0.0	7986.6	7986.7	0.02	591.00
160.0	0.00	0.0	7986.6	7986.6	0.01	591.00
161.0	0.00	0.0	7986.6	7986.6	0.01	591.00
162.0	0.00	0.0	7986.6	7986.6	0.01	591.00
163.0	0.00	0.0	7986.5	7986.6	0.01	591.00
164.0	0.00	0.0	7986.5	7986.5	0.01	591.00
165.0	0.00	0.0	7986.5	7986.5	0.01	591.00
166.0	0.00	0.0	7986.5	7986.5	0.01	591.00
167.0	0.00	0.0	7986.5	7986.5	0.01	591.00
168.0	0.00	0.0	7986.4	7986.5	0.01	591.00
169.0	0.00	0.0	7986.4	7986.4	0.01	591.00
170.0	0.00	0.0	7986.4	7986.4	0.01	591.00
171.0	0.00	0.0	7986.4	7986.4	0.01	591.00
172.0	0.00	0.0	7986.4	7986.4	0.01	591.00
173.0	0.00	0.0	7986.4	7986.4	0.01	591.00
174.0	0.00	0.0	7986.3	7986.4	0.01	591.00
175.0	0.00	0.0	7986.3	7986.3	0.01	591.00
176.0	0.00	0.0	7986.3	7986.3	0.01	591.00
177.0	0.00	0.0	7986.3	7986.3	0.01	591.00
178.0	0.00	0.0	7986.3	7986.3	0.01	591.00
179.0	0.00	0.0	7986.3	7986.3	0.01	591.00
180.0	0.00	0.0	7986.3	7986.3	0.00	591.00
181.0	0.00	0.0	7986.3	7986.3	0.00	591.00
182.0	0.00	0.0	7986.3	7986.3	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	7986.2	7986.3	0.00	591.00
184.0	0.00	0.0	7986.2	7986.2	0.00	591.00
185.0	0.00	0.0	7986.2	7986.2	0.00	591.00
186.0	0.00	0.0	7986.2	7986.2	0.00	591.00
187.0	0.00	0.0	7986.2	7986.2	0.00	591.00
188.0	0.00	0.0	7986.2	7986.2	0.00	591.00
189.0	0.00	0.0	7986.2	7986.2	0.00	591.00
190.0	0.00	0.0	7986.2	7986.2	0.00	591.00
191.0	0.00	0.0	7986.2	7986.2	0.00	591.00
192.0	0.00	0.0	7986.2	7986.2	0.00	591.00
193.0	0.00	0.0	7986.2	7986.2	0.00	591.00
194.0	0.00	0.0	7986.2	7986.2	0.00	591.00
195.0	0.00	0.0	7986.2	7986.2	0.00	591.00
196.0	0.00	0.0	7986.2	7986.2	0.00	591.00
197.0	0.00	0.0	7986.2	7986.2	0.00	591.00
198.0	0.00	0.0	7986.2	7986.2	0.00	591.00
199.0	0.00	0.0	7986.2	7986.2	0.00	591.00
200.0	0.00	0.0	7986.1	7986.2	0.00	591.00
201.0	0.00	0.0	7986.1	7986.1	0.00	591.00
202.0	0.00	0.0	7986.1	7986.1	0.00	591.00
203.0	0.00	0.0	7986.1	7986.1	0.00	591.00
204.0	0.00	0.0	7986.1	7986.1	0.00	591.00
205.0	0.00	0.0	7986.1	7986.1	0.00	591.00
206.0	0.00	0.0	7986.1	7986.1	0.00	591.00
207.0	0.00	0.0	7986.1	7986.1	0.00	591.00
208.0	0.00	0.0	7986.1	7986.1	0.00	591.00
209.0	0.00	0.0	7986.1	7986.1	0.00	591.00
210.0	0.00	0.0	7986.1	7986.1	0.00	591.00
211.0	0.00	0.0	7986.1	7986.1	0.00	591.00
212.0	0.00	0.0	7986.1	7986.1	0.00	591.00
213.0	0.00	0.0	7986.1	7986.1	0.00	591.00
214.0	0.00	0.0	7986.1	7986.1	0.00	591.00
215.0	0.00	0.0	7986.1	7986.1	0.00	591.00
216.0	0.00	0.0	7986.1	7986.1	0.00	591.00
217.0	0.00	0.0	7986.1	7986.1	0.00	591.00
218.0	0.00	0.0	7986.1	7986.1	0.00	591.00
219.0	0.00	0.0	7986.1	7986.1	0.00	591.00
220.0	0.00	0.0	7986.1	7986.1	0.00	591.00
221.0	0.00	0.0	7986.1	7986.1	0.00	591.00
222.0	0.00	0.0	7986.1	7986.1	0.00	591.00
223.0	0.00	0.0	7986.1	7986.1	0.00	591.00
224.0	0.00	0.0	7986.1	7986.1	0.00	591.00
225.0	0.00	0.0	7986.1	7986.1	0.00	591.00
226.0	0.00	0.0	7986.1	7986.1	0.00	591.00
227.0	0.00	0.0	7986.1	7986.1	0.00	591.00
228.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN125.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	7986.1	7986.1	0.00	591.00
230.0	0.00	0.0	7986.1	7986.1	0.00	591.00
231.0	0.00	0.0	7986.1	7986.1	0.00	591.00
232.0	0.00	0.0	7986.1	7986.1	0.00	591.00
233.0	0.00	0.0	7986.1	7986.1	0.00	591.00
234.0	0.00	0.0	7986.1	7986.1	0.00	591.00
235.0	0.00	0.0	7986.1	7986.1	0.00	591.00
236.0	0.00	0.0	7986.1	7986.1	0.00	591.00
237.0	0.00	0.0	7986.1	7986.1	0.00	591.00
238.0	0.00	0.0	7986.1	7986.1	0.00	591.00
239.0	0.00	0.0	7986.1	7986.1	0.00	591.00
240.0	0.00	0.0	7986.1	7986.1	0.00	591.00
241.0	0.00	0.0	7986.1	7986.1	0.00	591.00
242.0	0.00	0.0	7986.1	7986.1	0.00	591.00
243.0	0.00	0.0	7986.1	7986.1	0.00	591.00
244.0	0.00	0.0	7986.1	7986.1	0.00	591.00
245.0	0.00	0.0	7986.1	7986.1	0.00	591.00
246.0	0.00	0.0	7986.1	7986.1	0.00	591.00
247.0	0.00	0.0	7986.1	7986.1	0.00	591.00
248.0	0.00	0.0	7986.1	7986.1	0.00	591.00
249.0	0.00	0.0	7986.1	7986.1	0.00	591.00
250.0	0.00	0.0	7986.1	7986.1	0.00	591.00
251.0	0.00	0.0	7986.1	7986.1	0.00	591.00
252.0	0.00	0.0	7986.1	7986.1	0.00	591.00
253.0	0.00	0.0	7986.1	7986.1	0.00	591.00
254.0	0.00	0.0	7986.1	7986.1	0.00	591.00
255.0	0.00	0.0	7986.1	7986.1	0.00	591.00
256.0	0.00	0.0	7986.1	7986.1	0.00	591.00
257.0	0.00	0.0	7986.1	7986.1	0.00	591.00
258.0	0.00	0.0	7986.1	7986.1	0.00	591.00
259.0	0.00	0.0	7986.1	7986.1	0.00	591.00
260.0	0.00	0.0	7986.1	7986.1	0.00	591.00
261.0	0.00	0.0	7986.1	7986.1	0.00	591.00
262.0	0.00	0.0	7986.1	7986.1	0.00	591.00
263.0	0.00	0.0	7986.1	7986.1	0.00	591.00
264.0	0.00	0.0	7986.1	7986.1	0.00	591.00
265.0	0.00	0.0	7986.1	7986.1	0.00	591.00
266.0	0.00	0.0	7986.1	7986.1	0.00	591.00
267.0	0.00	0.0	7986.1	7986.1	0.00	591.00
268.0	0.00	0.0	7986.1	7986.1	0.00	591.00
269.0	0.00	0.0	7986.1	7986.1	0.00	591.00
270.0	0.00	0.0	7986.1	7986.1	0.00	591.00
271.0	0.00	0.0	7986.1	7986.1	0.00	591.00
272.0	0.00	0.0	7986.1	7986.1	0.00	591.00
273.0	0.00	0.0	7986.1	7986.1	0.00	591.00
274.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	7986.1	7986.1	0.00	591.00
276.0	0.00	0.0	7986.1	7986.1	0.00	591.00
277.0	0.00	0.0	7986.1	7986.1	0.00	591.00
278.0	0.00	0.0	7986.1	7986.1	0.00	591.00
279.0	0.00	0.0	7986.1	7986.1	0.00	591.00
280.0	0.00	0.0	7986.1	7986.1	0.00	591.00
281.0	0.00	0.0	7986.1	7986.1	0.00	591.00
282.0	0.00	0.0	7986.1	7986.1	0.00	591.00
283.0	0.00	0.0	7986.1	7986.1	0.00	591.00
284.0	0.00	0.0	7986.1	7986.1	0.00	591.00
285.0	0.00	0.0	7986.1	7986.1	0.00	591.00
286.0	0.00	0.0	7986.1	7986.1	0.00	591.00
287.0	0.00	0.0	7986.1	7986.1	0.00	591.00
288.0	0.00	0.0	7986.1	7986.1	0.00	591.00
289.0	0.00	0.0	7986.1	7986.1	0.00	591.00
290.0	0.00	0.0	7986.1	7986.1	0.00	591.00
291.0	0.00	0.0	7986.1	7986.1	0.00	591.00
292.0	0.00	0.0	7986.1	7986.1	0.00	591.00
293.0	0.00	0.0	7986.1	7986.1	0.00	591.00
294.0	0.00	0.0	7986.1	7986.1	0.00	591.00
295.0	0.00	0.0	7986.1	7986.1	0.00	591.00
296.0	0.00	0.0	7986.1	7986.1	0.00	591.00
297.0	0.00	0.0	7986.1	7986.1	0.00	591.00
298.0	0.00	0.0	7986.1	7986.1	0.00	591.00
299.0	0.00	0.0	7986.1	7986.1	0.00	591.00
300.0	0.00	0.0	7986.1	7986.1	0.00	591.00
301.0	0.00	0.0	7986.1	7986.1	0.00	591.00
302.0	0.00	0.0	7986.1	7986.1	0.00	591.00
303.0	0.00	0.0	7986.1	7986.1	0.00	591.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1AB.PND
Inflow Hydrograph: j:\DATA\0312269\25BASN1 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN125 .HYD

Starting Pond W.S. Elevation = 591.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 88.02 cfs
Peak Outflow = 79.86 cfs
Peak Elevation = 592.16 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 239,583 cu-ft
Peak Storage From Storm = 38,824 cu-ft

Total Storage in Pond = 278,408 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   RETENTION BASIN #1          *
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*
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Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Rating Table file: j:\DATA\0312269\BASIN1AB.PND

----INITIAL CONDITIONS----
 Elevation = 591.00 ft
 Outflow = 0.00 cfs
 Storage = 239,583 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
591.00	0.0	239,583	7986.1	7986.1
591.20	5.7	246,036	8201.2	8206.9
591.40	16.1	252,588	8419.6	8435.7
591.60	29.6	259,239	8641.3	8670.9
591.80	45.6	265,993	8866.4	8912.0
592.00	63.8	272,849	9094.9	9158.7
592.20	83.9	279,806	9326.9	9410.8
592.40	105.7	286,866	9562.2	9667.9
592.60	128.7	294,027	9800.9	9929.6
592.80	143.1	301,293	10043.1	10186.2
593.00	156.1	308,664	10288.8	10444.9
593.20	168.1	316,140	10538.0	10706.1
593.40	179.4	323,722	10790.7	10970.1
593.60	189.9	331,408	11046.9	11236.8
593.80	199.9	339,204	11306.8	11506.7
594.00	209.5	347,109	11570.3	11779.8

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	7986.1	7986.1	0.00	591.00
1.0	11.30	11.3	7996.8	7997.4	0.29	591.01
2.0	33.90	45.2	8039.1	8042.0	1.44	591.05
3.0	45.20	79.1	8111.4	8118.2	3.41	591.12
4.0	56.50	101.7	8201.1	8213.1	5.98	591.21
5.0	67.80	124.3	8303.3	8325.4	11.09	591.30
6.0	90.40	158.2	8426.3	8461.5	17.58	591.42
7.0	101.70	192.1	8565.2	8618.4	26.59	591.56
8.0	113.00	214.7	8706.3	8779.9	36.83	591.69
9.0	113.00	226.0	8838.1	8932.3	47.09	591.82
10.0	113.00	226.0	8950.4	9064.1	56.82	591.92
11.0	113.00	226.0	9046.0	9176.4	65.21	592.01
12.0	113.00	226.0	9126.3	9272.0	72.83	592.09
13.0	113.00	226.0	9193.9	9352.3	79.24	592.15
14.0	113.00	226.0	9250.5	9419.9	84.67	592.21
15.0	113.00	226.0	9297.6	9476.5	89.48	592.25
16.0	113.00	226.0	9336.6	9523.6	93.46	592.29
17.0	113.00	226.0	9369.1	9562.6	96.78	592.32
18.0	113.00	226.0	9396.0	9595.1	99.53	592.34
19.0	113.00	226.0	9418.4	9622.0	101.81	592.36
20.0	113.00	226.0	9437.0	9644.4	103.71	592.38
21.0	101.70	214.7	9443.0	9651.7	104.33	592.39
22.0	90.40	192.1	9429.3	9635.1	102.92	592.37
23.0	67.80	158.2	9389.7	9587.5	98.88	592.34
24.0	56.50	124.3	9328.7	9514.0	92.65	592.28
25.0	45.20	101.7	9259.3	9430.4	85.57	592.22
26.0	33.90	79.1	9182.1	9338.4	78.13	592.14
27.0	11.30	45.2	9088.8	9227.3	69.27	592.05
28.0	0.00	11.3	8981.1	9100.1	59.47	591.95
29.0	0.00	0.0	8879.7	8981.1	50.70	591.86
30.0	0.00	0.0	8792.8	8879.7	43.46	591.77
31.0	0.00	0.0	8717.4	8792.8	37.69	591.70
32.0	0.00	0.0	8652.1	8717.4	32.69	591.64
33.0	0.00	0.0	8595.0	8652.1	28.52	591.58
34.0	0.00	0.0	8544.5	8595.0	25.25	591.54
35.0	0.00	0.0	8499.8	8544.5	22.35	591.49
36.0	0.00	0.0	8460.3	8499.8	19.78	591.45
37.0	0.00	0.0	8425.3	8460.3	17.51	591.42
38.0	0.00	0.0	8394.0	8425.3	15.63	591.39
39.0	0.00	0.0	8365.6	8394.0	14.20	591.36
40.0	0.00	0.0	8339.8	8365.6	12.91	591.34
41.0	0.00	0.0	8316.3	8339.8	11.74	591.32
42.0	0.00	0.0	8294.9	8316.3	10.67	591.30
43.0	0.00	0.0	8275.5	8294.9	9.70	591.28
44.0	0.00	0.0	8257.9	8275.5	8.82	591.26

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	8241.9	8257.9	8.02	591.24
46.0	0.00	0.0	8227.3	8241.9	7.29	591.23
47.0	0.00	0.0	8214.0	8227.3	6.63	591.22
48.0	0.00	0.0	8202.0	8214.0	6.02	591.21
49.0	0.00	0.0	8190.8	8202.0	5.57	591.20
50.0	0.00	0.0	8180.3	8190.8	5.29	591.19
51.0	0.00	0.0	8170.2	8180.3	5.01	591.18
52.0	0.00	0.0	8160.7	8170.2	4.75	591.17
53.0	0.00	0.0	8151.7	8160.7	4.51	591.16
54.0	0.00	0.0	8143.2	8151.7	4.28	591.15
55.0	0.00	0.0	8135.0	8143.2	4.05	591.14
56.0	0.00	0.0	8127.4	8135.0	3.85	591.13
57.0	0.00	0.0	8120.1	8127.4	3.65	591.13
58.0	0.00	0.0	8113.1	8120.1	3.46	591.12
59.0	0.00	0.0	8106.6	8113.1	3.28	591.12
60.0	0.00	0.0	8100.4	8106.6	3.11	591.11
61.0	0.00	0.0	8094.5	8100.4	2.95	591.10
62.0	0.00	0.0	8088.9	8094.5	2.80	591.10
63.0	0.00	0.0	8083.6	8088.9	2.65	591.09
64.0	0.00	0.0	8078.5	8083.6	2.52	591.09
65.0	0.00	0.0	8073.8	8078.5	2.39	591.08
66.0	0.00	0.0	8069.2	8073.8	2.26	591.08
67.0	0.00	0.0	8064.9	8069.2	2.15	591.08
68.0	0.00	0.0	8060.9	8064.9	2.04	591.07
69.0	0.00	0.0	8057.0	8060.9	1.93	591.07
70.0	0.00	0.0	8053.3	8057.0	1.83	591.06
71.0	0.00	0.0	8049.9	8053.3	1.74	591.06
72.0	0.00	0.0	8046.6	8049.9	1.65	591.06
73.0	0.00	0.0	8043.5	8046.6	1.56	591.05
74.0	0.00	0.0	8040.5	8043.5	1.48	591.05
75.0	0.00	0.0	8037.7	8040.5	1.40	591.05
76.0	0.00	0.0	8035.0	8037.7	1.33	591.05
77.0	0.00	0.0	8032.5	8035.0	1.26	591.04
78.0	0.00	0.0	8030.1	8032.5	1.20	591.04
79.0	0.00	0.0	8027.8	8030.1	1.14	591.04
80.0	0.00	0.0	8025.7	8027.8	1.08	591.04
81.0	0.00	0.0	8023.6	8025.7	1.02	591.04
82.0	0.00	0.0	8021.7	8023.6	0.97	591.03
83.0	0.00	0.0	8019.8	8021.7	0.92	591.03
84.0	0.00	0.0	8018.1	8019.8	0.87	591.03
85.0	0.00	0.0	8016.5	8018.1	0.83	591.03
86.0	0.00	0.0	8014.9	8016.5	0.78	591.03
87.0	0.00	0.0	8013.4	8014.9	0.74	591.03
88.0	0.00	0.0	8012.0	8013.4	0.71	591.02
89.0	0.00	0.0	8010.7	8012.0	0.67	591.02
90.0	0.00	0.0	8009.4	8010.7	0.63	591.02

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	8008.2	8009.4	0.60	591.02
92.0	0.00	0.0	8007.0	8008.2	0.57	591.02
93.0	0.00	0.0	8006.0	8007.0	0.54	591.02
94.0	0.00	0.0	8004.9	8006.0	0.51	591.02
95.0	0.00	0.0	8004.0	8004.9	0.49	591.02
96.0	0.00	0.0	8003.0	8004.0	0.46	591.02
97.0	0.00	0.0	8002.2	8003.0	0.44	591.02
98.0	0.00	0.0	8001.3	8002.2	0.41	591.01
99.0	0.00	0.0	8000.5	8001.3	0.39	591.01
100.0	0.00	0.0	7999.8	8000.5	0.37	591.01
101.0	0.00	0.0	7999.1	7999.8	0.35	591.01
102.0	0.00	0.0	7998.4	7999.1	0.34	591.01
103.0	0.00	0.0	7997.8	7998.4	0.32	591.01
104.0	0.00	0.0	7997.2	7997.8	0.30	591.01
105.0	0.00	0.0	7996.6	7997.2	0.29	591.01
106.0	0.00	0.0	7996.1	7996.6	0.27	591.01
107.0	0.00	0.0	7995.5	7996.1	0.26	591.01
108.0	0.00	0.0	7995.1	7995.5	0.24	591.01
109.0	0.00	0.0	7994.6	7995.1	0.23	591.01
110.0	0.00	0.0	7994.2	7994.6	0.22	591.01
111.0	0.00	0.0	7993.7	7994.2	0.21	591.01
112.0	0.00	0.0	7993.3	7993.7	0.20	591.01
113.0	0.00	0.0	7993.0	7993.3	0.19	591.01
114.0	0.00	0.0	7992.6	7993.0	0.18	591.01
115.0	0.00	0.0	7992.3	7992.6	0.17	591.01
116.0	0.00	0.0	7992.0	7992.3	0.16	591.01
117.0	0.00	0.0	7991.7	7992.0	0.15	591.01
118.0	0.00	0.0	7991.4	7991.7	0.14	591.01
119.0	0.00	0.0	7991.1	7991.4	0.14	591.00
120.0	0.00	0.0	7990.8	7991.1	0.13	591.00
121.0	0.00	0.0	7990.6	7990.8	0.12	591.00
122.0	0.00	0.0	7990.4	7990.6	0.12	591.00
123.0	0.00	0.0	7990.1	7990.4	0.11	591.00
124.0	0.00	0.0	7989.9	7990.1	0.10	591.00
125.0	0.00	0.0	7989.7	7989.9	0.10	591.00
126.0	0.00	0.0	7989.5	7989.7	0.09	591.00
127.0	0.00	0.0	7989.4	7989.5	0.09	591.00
128.0	0.00	0.0	7989.2	7989.4	0.08	591.00
129.0	0.00	0.0	7989.0	7989.2	0.08	591.00
130.0	0.00	0.0	7988.9	7989.0	0.08	591.00
131.0	0.00	0.0	7988.7	7988.9	0.07	591.00
132.0	0.00	0.0	7988.6	7988.7	0.07	591.00
133.0	0.00	0.0	7988.5	7988.6	0.06	591.00
134.0	0.00	0.0	7988.3	7988.5	0.06	591.00
135.0	0.00	0.0	7988.2	7988.3	0.06	591.00
136.0	0.00	0.0	7988.1	7988.2	0.06	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	7988.0	7988.1	0.05	591.00
138.0	0.00	0.0	7987.9	7988.0	0.05	591.00
139.0	0.00	0.0	7987.8	7987.9	0.05	591.00
140.0	0.00	0.0	7987.7	7987.8	0.04	591.00
141.0	0.00	0.0	7987.6	7987.7	0.04	591.00
142.0	0.00	0.0	7987.6	7987.6	0.04	591.00
143.0	0.00	0.0	7987.5	7987.6	0.04	591.00
144.0	0.00	0.0	7987.4	7987.5	0.04	591.00
145.0	0.00	0.0	7987.3	7987.4	0.03	591.00
146.0	0.00	0.0	7987.3	7987.3	0.03	591.00
147.0	0.00	0.0	7987.2	7987.3	0.03	591.00
148.0	0.00	0.0	7987.2	7987.2	0.03	591.00
149.0	0.00	0.0	7987.1	7987.2	0.03	591.00
150.0	0.00	0.0	7987.1	7987.1	0.03	591.00
151.0	0.00	0.0	7987.0	7987.1	0.02	591.00
152.0	0.00	0.0	7987.0	7987.0	0.02	591.00
153.0	0.00	0.0	7986.9	7987.0	0.02	591.00
154.0	0.00	0.0	7986.9	7986.9	0.02	591.00
155.0	0.00	0.0	7986.8	7986.9	0.02	591.00
156.0	0.00	0.0	7986.8	7986.8	0.02	591.00
157.0	0.00	0.0	7986.8	7986.8	0.02	591.00
158.0	0.00	0.0	7986.7	7986.8	0.02	591.00
159.0	0.00	0.0	7986.7	7986.7	0.02	591.00
160.0	0.00	0.0	7986.7	7986.7	0.02	591.00
161.0	0.00	0.0	7986.6	7986.7	0.01	591.00
162.0	0.00	0.0	7986.6	7986.6	0.01	591.00
163.0	0.00	0.0	7986.6	7986.6	0.01	591.00
164.0	0.00	0.0	7986.5	7986.6	0.01	591.00
165.0	0.00	0.0	7986.5	7986.5	0.01	591.00
166.0	0.00	0.0	7986.5	7986.5	0.01	591.00
167.0	0.00	0.0	7986.5	7986.5	0.01	591.00
168.0	0.00	0.0	7986.5	7986.5	0.01	591.00
169.0	0.00	0.0	7986.4	7986.5	0.01	591.00
170.0	0.00	0.0	7986.4	7986.4	0.01	591.00
171.0	0.00	0.0	7986.4	7986.4	0.01	591.00
172.0	0.00	0.0	7986.4	7986.4	0.01	591.00
173.0	0.00	0.0	7986.4	7986.4	0.01	591.00
174.0	0.00	0.0	7986.4	7986.4	0.01	591.00
175.0	0.00	0.0	7986.3	7986.4	0.01	591.00
176.0	0.00	0.0	7986.3	7986.3	0.01	591.00
177.0	0.00	0.0	7986.3	7986.3	0.01	591.00
178.0	0.00	0.0	7986.3	7986.3	0.01	591.00
179.0	0.00	0.0	7986.3	7986.3	0.01	591.00
180.0	0.00	0.0	7986.3	7986.3	0.01	591.00
181.0	0.00	0.0	7986.3	7986.3	0.01	591.00
182.0	0.00	0.0	7986.3	7986.3	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	7986.3	7986.3	0.00	591.00
184.0	0.00	0.0	7986.2	7986.3	0.00	591.00
185.0	0.00	0.0	7986.2	7986.2	0.00	591.00
186.0	0.00	0.0	7986.2	7986.2	0.00	591.00
187.0	0.00	0.0	7986.2	7986.2	0.00	591.00
188.0	0.00	0.0	7986.2	7986.2	0.00	591.00
189.0	0.00	0.0	7986.2	7986.2	0.00	591.00
190.0	0.00	0.0	7986.2	7986.2	0.00	591.00
191.0	0.00	0.0	7986.2	7986.2	0.00	591.00
192.0	0.00	0.0	7986.2	7986.2	0.00	591.00
193.0	0.00	0.0	7986.2	7986.2	0.00	591.00
194.0	0.00	0.0	7986.2	7986.2	0.00	591.00
195.0	0.00	0.0	7986.2	7986.2	0.00	591.00
196.0	0.00	0.0	7986.2	7986.2	0.00	591.00
197.0	0.00	0.0	7986.2	7986.2	0.00	591.00
198.0	0.00	0.0	7986.2	7986.2	0.00	591.00
199.0	0.00	0.0	7986.2	7986.2	0.00	591.00
200.0	0.00	0.0	7986.2	7986.2	0.00	591.00
201.0	0.00	0.0	7986.2	7986.2	0.00	591.00
202.0	0.00	0.0	7986.1	7986.2	0.00	591.00
203.0	0.00	0.0	7986.1	7986.1	0.00	591.00
204.0	0.00	0.0	7986.1	7986.1	0.00	591.00
205.0	0.00	0.0	7986.1	7986.1	0.00	591.00
206.0	0.00	0.0	7986.1	7986.1	0.00	591.00
207.0	0.00	0.0	7986.1	7986.1	0.00	591.00
208.0	0.00	0.0	7986.1	7986.1	0.00	591.00
209.0	0.00	0.0	7986.1	7986.1	0.00	591.00
210.0	0.00	0.0	7986.1	7986.1	0.00	591.00
211.0	0.00	0.0	7986.1	7986.1	0.00	591.00
212.0	0.00	0.0	7986.1	7986.1	0.00	591.00
213.0	0.00	0.0	7986.1	7986.1	0.00	591.00
214.0	0.00	0.0	7986.1	7986.1	0.00	591.00
215.0	0.00	0.0	7986.1	7986.1	0.00	591.00
216.0	0.00	0.0	7986.1	7986.1	0.00	591.00
217.0	0.00	0.0	7986.1	7986.1	0.00	591.00
218.0	0.00	0.0	7986.1	7986.1	0.00	591.00
219.0	0.00	0.0	7986.1	7986.1	0.00	591.00
220.0	0.00	0.0	7986.1	7986.1	0.00	591.00
221.0	0.00	0.0	7986.1	7986.1	0.00	591.00
222.0	0.00	0.0	7986.1	7986.1	0.00	591.00
223.0	0.00	0.0	7986.1	7986.1	0.00	591.00
224.0	0.00	0.0	7986.1	7986.1	0.00	591.00
225.0	0.00	0.0	7986.1	7986.1	0.00	591.00
226.0	0.00	0.0	7986.1	7986.1	0.00	591.00
227.0	0.00	0.0	7986.1	7986.1	0.00	591.00
228.0	0.00	0.0	7986.1	7986.1	0.00	591.00

and File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	7986.1	7986.1	0.00	591.00
230.0	0.00	0.0	7986.1	7986.1	0.00	591.00
231.0	0.00	0.0	7986.1	7986.1	0.00	591.00
232.0	0.00	0.0	7986.1	7986.1	0.00	591.00
233.0	0.00	0.0	7986.1	7986.1	0.00	591.00
234.0	0.00	0.0	7986.1	7986.1	0.00	591.00
235.0	0.00	0.0	7986.1	7986.1	0.00	591.00
236.0	0.00	0.0	7986.1	7986.1	0.00	591.00
237.0	0.00	0.0	7986.1	7986.1	0.00	591.00
238.0	0.00	0.0	7986.1	7986.1	0.00	591.00
239.0	0.00	0.0	7986.1	7986.1	0.00	591.00
240.0	0.00	0.0	7986.1	7986.1	0.00	591.00
241.0	0.00	0.0	7986.1	7986.1	0.00	591.00
242.0	0.00	0.0	7986.1	7986.1	0.00	591.00
243.0	0.00	0.0	7986.1	7986.1	0.00	591.00
244.0	0.00	0.0	7986.1	7986.1	0.00	591.00
245.0	0.00	0.0	7986.1	7986.1	0.00	591.00
246.0	0.00	0.0	7986.1	7986.1	0.00	591.00
247.0	0.00	0.0	7986.1	7986.1	0.00	591.00
248.0	0.00	0.0	7986.1	7986.1	0.00	591.00
249.0	0.00	0.0	7986.1	7986.1	0.00	591.00
250.0	0.00	0.0	7986.1	7986.1	0.00	591.00
251.0	0.00	0.0	7986.1	7986.1	0.00	591.00
252.0	0.00	0.0	7986.1	7986.1	0.00	591.00
253.0	0.00	0.0	7986.1	7986.1	0.00	591.00
254.0	0.00	0.0	7986.1	7986.1	0.00	591.00
255.0	0.00	0.0	7986.1	7986.1	0.00	591.00
256.0	0.00	0.0	7986.1	7986.1	0.00	591.00
257.0	0.00	0.0	7986.1	7986.1	0.00	591.00
258.0	0.00	0.0	7986.1	7986.1	0.00	591.00
259.0	0.00	0.0	7986.1	7986.1	0.00	591.00
260.0	0.00	0.0	7986.1	7986.1	0.00	591.00
261.0	0.00	0.0	7986.1	7986.1	0.00	591.00
262.0	0.00	0.0	7986.1	7986.1	0.00	591.00
263.0	0.00	0.0	7986.1	7986.1	0.00	591.00
264.0	0.00	0.0	7986.1	7986.1	0.00	591.00
265.0	0.00	0.0	7986.1	7986.1	0.00	591.00
266.0	0.00	0.0	7986.1	7986.1	0.00	591.00
267.0	0.00	0.0	7986.1	7986.1	0.00	591.00
268.0	0.00	0.0	7986.1	7986.1	0.00	591.00
269.0	0.00	0.0	7986.1	7986.1	0.00	591.00
270.0	0.00	0.0	7986.1	7986.1	0.00	591.00
271.0	0.00	0.0	7986.1	7986.1	0.00	591.00
272.0	0.00	0.0	7986.1	7986.1	0.00	591.00
273.0	0.00	0.0	7986.1	7986.1	0.00	591.00
274.0	0.00	0.0	7986.1	7986.1	0.00	591.00

Input File: j:\DATA\0312269\BASIN1AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	7986.1	7986.1	0.00	591.00
276.0	0.00	0.0	7986.1	7986.1	0.00	591.00
277.0	0.00	0.0	7986.1	7986.1	0.00	591.00
278.0	0.00	0.0	7986.1	7986.1	0.00	591.00
279.0	0.00	0.0	7986.1	7986.1	0.00	591.00
280.0	0.00	0.0	7986.1	7986.1	0.00	591.00
281.0	0.00	0.0	7986.1	7986.1	0.00	591.00
282.0	0.00	0.0	7986.1	7986.1	0.00	591.00
283.0	0.00	0.0	7986.1	7986.1	0.00	591.00
284.0	0.00	0.0	7986.1	7986.1	0.00	591.00
285.0	0.00	0.0	7986.1	7986.1	0.00	591.00
286.0	0.00	0.0	7986.1	7986.1	0.00	591.00
287.0	0.00	0.0	7986.1	7986.1	0.00	591.00
288.0	0.00	0.0	7986.1	7986.1	0.00	591.00
289.0	0.00	0.0	7986.1	7986.1	0.00	591.00
290.0	0.00	0.0	7986.1	7986.1	0.00	591.00
291.0	0.00	0.0	7986.1	7986.1	0.00	591.00
292.0	0.00	0.0	7986.1	7986.1	0.00	591.00
293.0	0.00	0.0	7986.1	7986.1	0.00	591.00
294.0	0.00	0.0	7986.1	7986.1	0.00	591.00
295.0	0.00	0.0	7986.1	7986.1	0.00	591.00
296.0	0.00	0.0	7986.1	7986.1	0.00	591.00
297.0	0.00	0.0	7986.1	7986.1	0.00	591.00
298.0	0.00	0.0	7986.1	7986.1	0.00	591.00
299.0	0.00	0.0	7986.1	7986.1	0.00	591.00
300.0	0.00	0.0	7986.1	7986.1	0.00	591.00
301.0	0.00	0.0	7986.1	7986.1	0.00	591.00
302.0	0.00	0.0	7986.1	7986.1	0.00	591.00
303.0	0.00	0.0	7986.1	7986.1	0.00	591.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN1AB.PND
Inflow Hydrograph: j:\DATA\0312269\100BASN1.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN1100.HYD

Starting Pond W.S. Elevation = 591.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 113.00 cfs
Peak Outflow = 104.33 cfs
Peak Elevation = 592.39 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 239,583 cu-ft
Peak Storage From Storm = 46,838 cu-ft

Total Storage in Pond = 286,421 cu-ft

POND-2 Version: 5.17
 S/N: 1903000008

THE VILLAGES @ SPRINGHURST
 DETENTION BASIN #2

CALCULATED 02-23-2005 14:01:18
 DISK FILE: j:\DATA\0312269\BASIN2 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
577.50	0.00	0	0	0	0
578.00	150.00	150	150	25	25
579.00	3,490.00	3,490	4,364	1,455	1,480
580.00	8,764.00	8,764	17,784	5,928	7,408
582.00	11,506.00	11,506	30,312	20,208	27,616
584.00	14,511.00	14,511	38,938	25,959	53,575
586.00	17,754.00	17,754	48,316	32,211	85,785

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
577.50	0.0	1
577.80	0.1	1
578.10	0.3	1
578.40	0.4	1
578.70	0.5	1
579.00	0.6	1
579.30	0.6	1
579.60	0.7	1
579.90	0.7	1
580.20	0.8	1
580.50	0.8	1
580.80	0.9	1
581.10	0.9	1
581.40	0.9	1
581.70	1.0	1
582.00	1.0	1
582.30	1.0	1
582.60	1.1	1
582.90	1.1	1
583.20	1.1	1
583.50	1.2	1 +2
583.80	7.5	1 +2
584.10	19.1	1 +2
584.40	34.1	1 +2
584.70	51.9	1 +2
585.00	74.6	1 +3
585.30	88.0	1 +3
585.60	99.7	1 +3
585.90	110.1	1 +3
586.00	113.3	1 +3

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2

Outlet Structure File: j:\DATA\0312269\BASIN2 .STR
Planimeter Input File: j:\DATA\0312269\BASIN2 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN2 .PND

Min. Elev.(ft) = 577.5 Max. Elev.(ft) = 586 Incr.(ft) = .3

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
CULVERT-CR	1	->	1
WEIR-VR	2	->	2
ORIFICE	3	->	3

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN2 .PND

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2

>>>>> Structure No. 1 <<<<<<
(Input Data)

CULVERT-CR
Circular Culvert (With Inlet Control)

E1 elev.(ft)?	577.5
E2 elev.(ft)?	586.001
Diam. (ft)?	.333
Inv. el.(ft)?	577.5
Slope (ft/ft)?	.01
T1 ratio?	
T2 ratio?	
K Coeff.?	.0045
M Coeff.?	2
c Coeff.?	.0317
Y Coeff.?	.69
Form 1 or 2?	1
Slope factor?	-0.5

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2

>>>>> Structure No. 2 <<<<<<
(Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev. (ft)?	583.5
E2 elev. (ft)?	585
Weir coefficient?	3.3
Weir elev. (ft)?	583.5
Length (ft)?	11.67
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2

>>>>> Structure No. 3 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	585
E2 elev.(ft)?	586.001
Orifice coeff.?	.6
Invert elev.(ft)?	583.5
Datum elev.(ft) ?	584.25
Orifice area (sq ft)?	17.57

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #2 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 577.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
577.50	0.0	0	0.0	0.0
577.80	0.1	5	0.2	0.3
578.10	0.3	47	1.6	1.9
578.40	0.4	223	7.4	7.8
578.70	0.5	662	22.1	22.6
579.00	0.6	1,479	49.3	49.9
579.30	0.6	2,721	90.7	91.3
579.60	0.7	4,394	146.5	147.2
579.90	0.7	6,564	218.8	219.5
580.20	0.8	9,186	306.2	307.0
580.50	0.8	11,952	398.4	399.2
580.80	0.9	14,836	494.5	495.4
581.10	0.9	17,842	594.7	595.6
581.40	0.9	20,972	699.1	700.0
581.70	1.0	24,229	807.6	808.6
582.00	1.0	27,616	920.5	921.5
582.30	1.0	31,131	1037.7	1038.7
582.60	1.1	34,777	1159.2	1160.3
582.90	1.1	38,555	1285.2	1286.3
583.20	1.1	42,467	1415.6	1416.7
583.50	1.2	46,516	1550.5	1551.7
583.80	7.5	50,704	1690.1	1697.6
584.10	19.1	55,033	1834.4	1853.5
584.40	34.1	59,503	1983.4	2017.5
584.70	51.9	64,114	2137.1	2189.0
585.00	74.6	68,869	2295.6	2370.2
585.30	88.0	73,770	2459.0	2547.0
585.60	99.7	78,818	2627.3	2727.0
585.90	110.1	84,019	2800.6	2910.7
586.00	113.3	85,785	2859.5	2972.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	577.50
1.0	3.75	3.8	3.1	3.8	0.33	578.19
2.0	7.51	11.3	13.5	14.3	0.44	578.53
3.0	11.26	18.8	31.2	32.2	0.54	578.81
4.0	15.02	26.3	56.2	57.4	0.60	579.05
5.0	18.77	33.8	88.8	90.0	0.60	579.29
6.0	18.77	37.5	125.0	126.4	0.66	579.49
7.0	18.77	37.5	161.2	162.6	0.70	579.66
8.0	18.77	37.5	197.3	198.7	0.70	579.81
9.0	18.77	37.5	233.4	234.9	0.72	579.95
10.0	18.77	37.5	269.4	271.0	0.76	580.08
11.0	18.77	37.5	305.4	307.0	0.80	580.20
12.0	18.77	37.5	341.3	342.9	0.80	580.32
13.0	18.77	37.5	377.3	378.9	0.80	580.43
14.0	18.77	37.5	413.2	414.8	0.82	580.55
15.0	18.77	37.5	449.0	450.7	0.85	580.66
16.0	18.77	37.5	484.8	486.5	0.89	580.77
17.0	18.77	37.5	520.5	522.3	0.90	580.88
18.0	18.77	37.5	556.2	558.0	0.90	580.99
19.0	18.77	37.5	592.0	593.8	0.90	581.09
20.0	18.77	37.5	627.7	629.5	0.90	581.20
21.0	15.02	33.8	659.7	661.5	0.90	581.29
22.0	11.26	26.3	684.2	686.0	0.90	581.36
23.0	7.51	18.8	701.2	703.0	0.90	581.41
24.0	3.75	11.3	710.6	712.4	0.91	581.43
25.0	0.00	3.8	712.5	714.3	0.91	581.44
26.0	0.00	0.0	710.7	712.5	0.91	581.43
27.0	0.00	0.0	708.9	710.7	0.91	581.43
28.0	0.00	0.0	707.1	708.9	0.91	581.42
29.0	0.00	0.0	705.3	707.1	0.91	581.42
30.0	0.00	0.0	703.4	705.3	0.90	581.41
31.0	0.00	0.0	701.6	703.4	0.90	581.41
32.0	0.00	0.0	699.8	701.6	0.90	581.40
33.0	0.00	0.0	698.0	699.8	0.90	581.40
34.0	0.00	0.0	696.2	698.0	0.90	581.39
35.0	0.00	0.0	694.4	696.2	0.90	581.39
36.0	0.00	0.0	692.6	694.4	0.90	581.38
37.0	0.00	0.0	690.8	692.6	0.90	581.38
38.0	0.00	0.0	689.0	690.8	0.90	581.37
39.0	0.00	0.0	687.2	689.0	0.90	581.37
40.0	0.00	0.0	685.4	687.2	0.90	581.36
41.0	0.00	0.0	683.6	685.4	0.90	581.36
42.0	0.00	0.0	681.8	683.6	0.90	581.35
43.0	0.00	0.0	680.0	681.8	0.90	581.35
44.0	0.00	0.0	678.2	680.0	0.90	581.34

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	676.4	678.2	0.90	581.34
46.0	0.00	0.0	674.6	676.4	0.90	581.33
47.0	0.00	0.0	672.8	674.6	0.90	581.33
48.0	0.00	0.0	671.0	672.8	0.90	581.32
49.0	0.00	0.0	669.2	671.0	0.90	581.32
50.0	0.00	0.0	667.4	669.2	0.90	581.31
51.0	0.00	0.0	665.6	667.4	0.90	581.31
52.0	0.00	0.0	663.8	665.6	0.90	581.30
53.0	0.00	0.0	662.0	663.8	0.90	581.30
54.0	0.00	0.0	660.2	662.0	0.90	581.29
55.0	0.00	0.0	658.4	660.2	0.90	581.29
56.0	0.00	0.0	656.6	658.4	0.90	581.28
57.0	0.00	0.0	654.8	656.6	0.90	581.28
58.0	0.00	0.0	653.0	654.8	0.90	581.27
59.0	0.00	0.0	651.2	653.0	0.90	581.27
60.0	0.00	0.0	649.4	651.2	0.90	581.26
61.0	0.00	0.0	647.6	649.4	0.90	581.25
62.0	0.00	0.0	645.8	647.6	0.90	581.25
63.0	0.00	0.0	644.0	645.8	0.90	581.24
64.0	0.00	0.0	642.2	644.0	0.90	581.24
65.0	0.00	0.0	640.4	642.2	0.90	581.23
66.0	0.00	0.0	638.6	640.4	0.90	581.23
67.0	0.00	0.0	636.8	638.6	0.90	581.22
68.0	0.00	0.0	635.0	636.8	0.90	581.22
69.0	0.00	0.0	633.2	635.0	0.90	581.21
70.0	0.00	0.0	631.4	633.2	0.90	581.21
71.0	0.00	0.0	629.6	631.4	0.90	581.20
72.0	0.00	0.0	627.8	629.6	0.90	581.20
73.0	0.00	0.0	626.0	627.8	0.90	581.19
74.0	0.00	0.0	624.2	626.0	0.90	581.19
75.0	0.00	0.0	622.4	624.2	0.90	581.18
76.0	0.00	0.0	620.6	622.4	0.90	581.18
77.0	0.00	0.0	618.8	620.6	0.90	581.17
78.0	0.00	0.0	617.0	618.8	0.90	581.17
79.0	0.00	0.0	615.2	617.0	0.90	581.16
80.0	0.00	0.0	613.4	615.2	0.90	581.16
81.0	0.00	0.0	611.6	613.4	0.90	581.15
82.0	0.00	0.0	609.8	611.6	0.90	581.15
83.0	0.00	0.0	608.0	609.8	0.90	581.14
84.0	0.00	0.0	606.2	608.0	0.90	581.14
85.0	0.00	0.0	604.4	606.2	0.90	581.13
86.0	0.00	0.0	602.6	604.4	0.90	581.13
87.0	0.00	0.0	600.8	602.6	0.90	581.12
88.0	0.00	0.0	599.0	600.8	0.90	581.11
89.0	0.00	0.0	597.2	599.0	0.90	581.11
90.0	0.00	0.0	595.4	597.2	0.90	581.10

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	593.6	595.4	0.90	581.10
92.0	0.00	0.0	591.8	593.6	0.90	581.09
93.0	0.00	0.0	590.0	591.8	0.90	581.09
94.0	0.00	0.0	588.2	590.0	0.90	581.08
95.0	0.00	0.0	586.4	588.2	0.90	581.08
96.0	0.00	0.0	584.6	586.4	0.90	581.07
97.0	0.00	0.0	582.8	584.6	0.90	581.07
98.0	0.00	0.0	581.0	582.8	0.90	581.06
99.0	0.00	0.0	579.2	581.0	0.90	581.06
100.0	0.00	0.0	577.4	579.2	0.90	581.05
101.0	0.00	0.0	575.6	577.4	0.90	581.05
102.0	0.00	0.0	573.8	575.6	0.90	581.04
103.0	0.00	0.0	572.0	573.8	0.90	581.03
104.0	0.00	0.0	570.2	572.0	0.90	581.03
105.0	0.00	0.0	568.4	570.2	0.90	581.02
106.0	0.00	0.0	566.6	568.4	0.90	581.02
107.0	0.00	0.0	564.8	566.6	0.90	581.01
108.0	0.00	0.0	563.0	564.8	0.90	581.01
109.0	0.00	0.0	561.2	563.0	0.90	581.00
110.0	0.00	0.0	559.4	561.2	0.90	581.00
111.0	0.00	0.0	557.6	559.4	0.90	580.99
112.0	0.00	0.0	555.8	557.6	0.90	580.99
113.0	0.00	0.0	554.0	555.8	0.90	580.98
114.0	0.00	0.0	552.2	554.0	0.90	580.98
115.0	0.00	0.0	550.4	552.2	0.90	580.97
116.0	0.00	0.0	548.6	550.4	0.90	580.96
117.0	0.00	0.0	546.8	548.6	0.90	580.96
118.0	0.00	0.0	545.0	546.8	0.90	580.95
119.0	0.00	0.0	543.2	545.0	0.90	580.95
120.0	0.00	0.0	541.4	543.2	0.90	580.94
121.0	0.00	0.0	539.6	541.4	0.90	580.94
122.0	0.00	0.0	537.8	539.6	0.90	580.93
123.0	0.00	0.0	536.0	537.8	0.90	580.93
124.0	0.00	0.0	534.2	536.0	0.90	580.92
125.0	0.00	0.0	532.4	534.2	0.90	580.92
126.0	0.00	0.0	530.6	532.4	0.90	580.91
127.0	0.00	0.0	528.8	530.6	0.90	580.91
128.0	0.00	0.0	527.0	528.8	0.90	580.90
129.0	0.00	0.0	525.2	527.0	0.90	580.89
130.0	0.00	0.0	523.4	525.2	0.90	580.89
131.0	0.00	0.0	521.6	523.4	0.90	580.88
132.0	0.00	0.0	519.8	521.6	0.90	580.88
133.0	0.00	0.0	518.0	519.8	0.90	580.87
134.0	0.00	0.0	516.2	518.0	0.90	580.87
135.0	0.00	0.0	514.4	516.2	0.90	580.86
136.0	0.00	0.0	512.6	514.4	0.90	580.86

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	510.8	512.6	0.90	580.85
138.0	0.00	0.0	509.0	510.8	0.90	580.85
139.0	0.00	0.0	507.2	509.0	0.90	580.84
140.0	0.00	0.0	505.4	507.2	0.90	580.84
141.0	0.00	0.0	503.6	505.4	0.90	580.83
142.0	0.00	0.0	501.8	503.6	0.90	580.82
143.0	0.00	0.0	500.0	501.8	0.90	580.82
144.0	0.00	0.0	498.2	500.0	0.90	580.81
145.0	0.00	0.0	496.4	498.2	0.90	580.81
146.0	0.00	0.0	494.6	496.4	0.90	580.80
147.0	0.00	0.0	492.8	494.6	0.90	580.80
148.0	0.00	0.0	491.0	492.8	0.90	580.79
149.0	0.00	0.0	489.2	491.0	0.90	580.79
150.0	0.00	0.0	487.5	489.2	0.89	580.78
151.0	0.00	0.0	485.7	487.5	0.89	580.78
152.0	0.00	0.0	483.9	485.7	0.89	580.77
153.0	0.00	0.0	482.1	483.9	0.89	580.76
154.0	0.00	0.0	480.3	482.1	0.89	580.76
155.0	0.00	0.0	478.6	480.3	0.88	580.75
156.0	0.00	0.0	476.8	478.6	0.88	580.75
157.0	0.00	0.0	475.1	476.8	0.88	580.74
158.0	0.00	0.0	473.3	475.1	0.88	580.74
159.0	0.00	0.0	471.5	473.3	0.88	580.73
160.0	0.00	0.0	469.8	471.5	0.88	580.73
161.0	0.00	0.0	468.0	469.8	0.87	580.72
162.0	0.00	0.0	466.3	468.0	0.87	580.71
163.0	0.00	0.0	464.6	466.3	0.87	580.71
164.0	0.00	0.0	462.8	464.6	0.87	580.70
165.0	0.00	0.0	461.1	462.8	0.87	580.70
166.0	0.00	0.0	459.4	461.1	0.86	580.69
167.0	0.00	0.0	457.6	459.4	0.86	580.69
168.0	0.00	0.0	455.9	457.6	0.86	580.68
169.0	0.00	0.0	454.2	455.9	0.86	580.68
170.0	0.00	0.0	452.5	454.2	0.86	580.67
171.0	0.00	0.0	450.8	452.5	0.86	580.67
172.0	0.00	0.0	449.1	450.8	0.85	580.66
173.0	0.00	0.0	447.4	449.1	0.85	580.66
174.0	0.00	0.0	445.7	447.4	0.85	580.65
175.0	0.00	0.0	444.0	445.7	0.85	580.64
176.0	0.00	0.0	442.3	444.0	0.85	580.64
177.0	0.00	0.0	440.6	442.3	0.84	580.63
178.0	0.00	0.0	438.9	440.6	0.84	580.63
179.0	0.00	0.0	437.2	438.9	0.84	580.62
180.0	0.00	0.0	435.5	437.2	0.84	580.62
181.0	0.00	0.0	433.9	435.5	0.84	580.61
182.0	0.00	0.0	432.2	433.9	0.84	580.61

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	430.5	432.2	0.83	580.60
184.0	0.00	0.0	428.9	430.5	0.83	580.60
185.0	0.00	0.0	427.2	428.9	0.83	580.59
186.0	0.00	0.0	425.5	427.2	0.83	580.59
187.0	0.00	0.0	423.9	425.5	0.83	580.58
188.0	0.00	0.0	422.2	423.9	0.83	580.58
189.0	0.00	0.0	420.6	422.2	0.82	580.57
190.0	0.00	0.0	418.9	420.6	0.82	580.57
191.0	0.00	0.0	417.3	418.9	0.82	580.56
192.0	0.00	0.0	415.7	417.3	0.82	580.56
193.0	0.00	0.0	414.0	415.7	0.82	580.55
194.0	0.00	0.0	412.4	414.0	0.82	580.55
195.0	0.00	0.0	410.8	412.4	0.81	580.54
196.0	0.00	0.0	409.1	410.8	0.81	580.54
197.0	0.00	0.0	407.5	409.1	0.81	580.53
198.0	0.00	0.0	405.9	407.5	0.81	580.53
199.0	0.00	0.0	404.3	405.9	0.81	580.52
200.0	0.00	0.0	402.7	404.3	0.81	580.52
201.0	0.00	0.0	401.1	402.7	0.80	580.51
202.0	0.00	0.0	399.5	401.1	0.80	580.51
203.0	0.00	0.0	397.9	399.5	0.80	580.50
204.0	0.00	0.0	396.3	397.9	0.80	580.50
205.0	0.00	0.0	394.7	396.3	0.80	580.49
206.0	0.00	0.0	393.1	394.7	0.80	580.49
207.0	0.00	0.0	391.5	393.1	0.80	580.48
208.0	0.00	0.0	389.9	391.5	0.80	580.47
209.0	0.00	0.0	388.3	389.9	0.80	580.47
210.0	0.00	0.0	386.7	388.3	0.80	580.46
211.0	0.00	0.0	385.1	386.7	0.80	580.46
212.0	0.00	0.0	383.5	385.1	0.80	580.45
213.0	0.00	0.0	381.9	383.5	0.80	580.45
214.0	0.00	0.0	380.3	381.9	0.80	580.44
215.0	0.00	0.0	378.7	380.3	0.80	580.44
216.0	0.00	0.0	377.1	378.7	0.80	580.43
217.0	0.00	0.0	375.5	377.1	0.80	580.43
218.0	0.00	0.0	373.9	375.5	0.80	580.42
219.0	0.00	0.0	372.3	373.9	0.80	580.42
220.0	0.00	0.0	370.7	372.3	0.80	580.41
221.0	0.00	0.0	369.1	370.7	0.80	580.41
222.0	0.00	0.0	367.5	369.1	0.80	580.40
223.0	0.00	0.0	365.9	367.5	0.80	580.40
224.0	0.00	0.0	364.3	365.9	0.80	580.39
225.0	0.00	0.0	362.7	364.3	0.80	580.39
226.0	0.00	0.0	361.1	362.7	0.80	580.38
227.0	0.00	0.0	359.5	361.1	0.80	580.38
228.0	0.00	0.0	357.9	359.5	0.80	580.37

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	356.3	357.9	0.80	580.37
230.0	0.00	0.0	354.7	356.3	0.80	580.36
231.0	0.00	0.0	353.1	354.7	0.80	580.36
232.0	0.00	0.0	351.5	353.1	0.80	580.35
233.0	0.00	0.0	349.9	351.5	0.80	580.34
234.0	0.00	0.0	348.3	349.9	0.80	580.34
235.0	0.00	0.0	346.7	348.3	0.80	580.33
236.0	0.00	0.0	345.1	346.7	0.80	580.33
237.0	0.00	0.0	343.5	345.1	0.80	580.32
238.0	0.00	0.0	341.9	343.5	0.80	580.32
239.0	0.00	0.0	340.3	341.9	0.80	580.31
240.0	0.00	0.0	338.7	340.3	0.80	580.31
241.0	0.00	0.0	337.1	338.7	0.80	580.30
242.0	0.00	0.0	335.5	337.1	0.80	580.30
243.0	0.00	0.0	333.9	335.5	0.80	580.29
244.0	0.00	0.0	332.3	333.9	0.80	580.29
245.0	0.00	0.0	330.7	332.3	0.80	580.28
246.0	0.00	0.0	329.1	330.7	0.80	580.28
247.0	0.00	0.0	327.5	329.1	0.80	580.27
248.0	0.00	0.0	325.9	327.5	0.80	580.27
249.0	0.00	0.0	324.3	325.9	0.80	580.26
250.0	0.00	0.0	322.7	324.3	0.80	580.26
251.0	0.00	0.0	321.1	322.7	0.80	580.25
252.0	0.00	0.0	319.5	321.1	0.80	580.25
253.0	0.00	0.0	317.9	319.5	0.80	580.24
254.0	0.00	0.0	316.3	317.9	0.80	580.24
255.0	0.00	0.0	314.7	316.3	0.80	580.23
256.0	0.00	0.0	313.1	314.7	0.80	580.22
257.0	0.00	0.0	311.5	313.1	0.80	580.22
258.0	0.00	0.0	309.9	311.5	0.80	580.21
259.0	0.00	0.0	308.3	309.9	0.80	580.21
260.0	0.00	0.0	306.7	308.3	0.80	580.20
261.0	0.00	0.0	305.1	306.7	0.80	580.20
262.0	0.00	0.0	303.5	305.1	0.80	580.19
263.0	0.00	0.0	301.9	303.5	0.80	580.19
264.0	0.00	0.0	300.3	301.9	0.79	580.18
265.0	0.00	0.0	298.7	300.3	0.79	580.18
266.0	0.00	0.0	297.1	298.7	0.79	580.17
267.0	0.00	0.0	295.6	297.1	0.79	580.17
268.0	0.00	0.0	294.0	295.6	0.79	580.16
269.0	0.00	0.0	292.4	294.0	0.79	580.16
270.0	0.00	0.0	290.8	292.4	0.78	580.15
271.0	0.00	0.0	289.3	290.8	0.78	580.14
272.0	0.00	0.0	287.7	289.3	0.78	580.14
273.0	0.00	0.0	286.2	287.7	0.78	580.13
274.0	0.00	0.0	284.6	286.2	0.78	580.13

nd File: j:\DATA\0312269\BASIN2 .PND
 _flow Hydrograph: j:\DATA\0312269\02BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	283.1	284.6	0.77	580.12
276.0	0.00	0.0	281.5	283.1	0.77	580.12
277.0	0.00	0.0	280.0	281.5	0.77	580.11
278.0	0.00	0.0	278.4	280.0	0.77	580.11
279.0	0.00	0.0	276.9	278.4	0.77	580.10
280.0	0.00	0.0	275.4	276.9	0.77	580.10
281.0	0.00	0.0	273.8	275.4	0.76	580.09
282.0	0.00	0.0	272.3	273.8	0.76	580.09
283.0	0.00	0.0	270.8	272.3	0.76	580.08
284.0	0.00	0.0	269.3	270.8	0.76	580.08
285.0	0.00	0.0	267.8	269.3	0.76	580.07
286.0	0.00	0.0	266.3	267.8	0.76	580.07
287.0	0.00	0.0	264.7	266.3	0.75	580.06
288.0	0.00	0.0	263.2	264.7	0.75	580.06
289.0	0.00	0.0	261.7	263.2	0.75	580.05
290.0	0.00	0.0	260.2	261.7	0.75	580.04
291.0	0.00	0.0	258.8	260.2	0.75	580.04
292.0	0.00	0.0	257.3	258.8	0.74	580.03
293.0	0.00	0.0	255.8	257.3	0.74	580.03
294.0	0.00	0.0	254.3	255.8	0.74	580.02
295.0	0.00	0.0	252.8	254.3	0.74	580.02
296.0	0.00	0.0	251.3	252.8	0.74	580.01
297.0	0.00	0.0	249.9	251.3	0.74	580.01
298.0	0.00	0.0	248.4	249.9	0.73	580.00
299.0	0.00	0.0	246.9	248.4	0.73	580.00
300.0	0.00	0.0	245.5	246.9	0.73	579.99
301.0	0.00	0.0	244.0	245.5	0.73	579.99
302.0	0.00	0.0	242.6	244.0	0.73	579.98
303.0	0.00	0.0	241.1	242.6	0.73	579.98

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #2 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 577.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
577.50	0.0	0	0.0	0.0
577.80	0.1	5	0.2	0.3
578.10	0.3	47	1.6	1.9
578.40	0.4	223	7.4	7.8
578.70	0.5	662	22.1	22.6
579.00	0.6	1,479	49.3	49.9
579.30	0.6	2,721	90.7	91.3
579.60	0.7	4,394	146.5	147.2
579.90	0.7	6,564	218.8	219.5
580.20	0.8	9,186	306.2	307.0
580.50	0.8	11,952	398.4	399.2
580.80	0.9	14,836	494.5	495.4
581.10	0.9	17,842	594.7	595.6
581.40	0.9	20,972	699.1	700.0
581.70	1.0	24,229	807.6	808.6
582.00	1.0	27,616	920.5	921.5
582.30	1.0	31,131	1037.7	1038.7
582.60	1.1	34,777	1159.2	1160.3
582.90	1.1	38,555	1285.2	1286.3
583.20	1.1	42,467	1415.6	1416.7
583.50	1.2	46,516	1550.5	1551.7
583.80	7.5	50,704	1690.1	1697.6
584.10	19.1	55,033	1834.4	1853.5
584.40	34.1	59,503	1983.4	2017.5
584.70	51.9	64,114	2137.1	2189.0
585.00	74.6	68,869	2295.6	2370.2
585.30	88.0	73,770	2459.0	2547.0
585.60	99.7	78,818	2627.3	2727.0
585.90	110.1	84,019	2800.6	2910.7
586.00	113.3	85,785	2859.5	2972.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	577.50
1.0	6.12	6.1	5.4	6.1	0.37	578.31
2.0	12.24	18.4	22.7	23.7	0.50	578.71
3.0	18.36	30.6	52.1	53.3	0.60	579.02
4.0	24.48	42.8	93.8	95.0	0.61	579.32
5.0	30.60	55.1	147.4	148.8	0.70	579.61
6.0	30.60	61.2	207.2	208.6	0.70	579.85
7.0	30.60	61.2	266.9	268.4	0.76	580.07
8.0	30.60	61.2	326.5	328.1	0.80	580.27
9.0	30.60	61.2	386.1	387.7	0.80	580.46
10.0	30.60	61.2	445.6	447.3	0.85	580.65
11.0	30.60	61.2	505.0	506.8	0.90	580.83
12.0	30.60	61.2	564.4	566.2	0.90	581.01
13.0	30.60	61.2	623.8	625.6	0.90	581.19
14.0	30.60	61.2	683.2	685.0	0.90	581.36
15.0	30.60	61.2	742.5	744.4	0.94	581.52
16.0	30.60	61.2	801.8	803.7	1.00	581.69
17.0	30.60	61.2	861.0	863.0	1.00	581.84
18.0	30.60	61.2	920.2	922.2	1.00	582.00
19.0	30.60	61.2	979.4	981.4	1.00	582.15
20.0	30.60	61.2	1038.5	1040.6	1.00	582.30
21.0	24.48	55.1	1091.5	1093.6	1.05	582.44
22.0	18.36	42.8	1132.2	1134.4	1.08	582.54
23.0	12.24	30.6	1160.6	1162.8	1.10	582.61
24.0	6.12	18.4	1176.8	1179.0	1.10	582.64
25.0	0.00	6.1	1180.7	1182.9	1.10	582.65
26.0	0.00	0.0	1178.5	1180.7	1.10	582.65
27.0	0.00	0.0	1176.3	1178.5	1.10	582.64
28.0	0.00	0.0	1174.1	1176.3	1.10	582.64
29.0	0.00	0.0	1171.9	1174.1	1.10	582.63
30.0	0.00	0.0	1169.7	1171.9	1.10	582.63
31.0	0.00	0.0	1167.5	1169.7	1.10	582.62
32.0	0.00	0.0	1165.3	1167.5	1.10	582.62
33.0	0.00	0.0	1163.1	1165.3	1.10	582.61
34.0	0.00	0.0	1160.9	1163.1	1.10	582.61
35.0	0.00	0.0	1158.7	1160.9	1.10	582.60
36.0	0.00	0.0	1156.5	1158.7	1.10	582.60
37.0	0.00	0.0	1154.3	1156.5	1.10	582.59
38.0	0.00	0.0	1152.1	1154.3	1.10	582.59
39.0	0.00	0.0	1149.9	1152.1	1.09	582.58
40.0	0.00	0.0	1147.8	1149.9	1.09	582.57
41.0	0.00	0.0	1145.6	1147.8	1.09	582.57
42.0	0.00	0.0	1143.4	1145.6	1.09	582.56
43.0	0.00	0.0	1141.2	1143.4	1.09	582.56
44.0	0.00	0.0	1139.1	1141.2	1.08	582.55

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1136.9	1139.1	1.08	582.55
46.0	0.00	0.0	1134.7	1136.9	1.08	582.54
47.0	0.00	0.0	1132.6	1134.7	1.08	582.54
48.0	0.00	0.0	1130.4	1132.6	1.08	582.53
49.0	0.00	0.0	1128.3	1130.4	1.08	582.53
50.0	0.00	0.0	1126.1	1128.3	1.07	582.52
51.0	0.00	0.0	1124.0	1126.1	1.07	582.52
52.0	0.00	0.0	1121.8	1124.0	1.07	582.51
53.0	0.00	0.0	1119.7	1121.8	1.07	582.51
54.0	0.00	0.0	1117.6	1119.7	1.07	582.50
55.0	0.00	0.0	1115.4	1117.6	1.06	582.49
56.0	0.00	0.0	1113.3	1115.4	1.06	582.49
57.0	0.00	0.0	1111.2	1113.3	1.06	582.48
58.0	0.00	0.0	1109.1	1111.2	1.06	582.48
59.0	0.00	0.0	1107.0	1109.1	1.06	582.47
60.0	0.00	0.0	1104.8	1107.0	1.06	582.47
61.0	0.00	0.0	1102.7	1104.8	1.05	582.46
62.0	0.00	0.0	1100.6	1102.7	1.05	582.46
63.0	0.00	0.0	1098.5	1100.6	1.05	582.45
64.0	0.00	0.0	1096.4	1098.5	1.05	582.45
65.0	0.00	0.0	1094.3	1096.4	1.05	582.44
66.0	0.00	0.0	1092.2	1094.3	1.05	582.44
67.0	0.00	0.0	1090.1	1092.2	1.04	582.43
68.0	0.00	0.0	1088.1	1090.1	1.04	582.43
69.0	0.00	0.0	1086.0	1088.1	1.04	582.42
70.0	0.00	0.0	1083.9	1086.0	1.04	582.42
71.0	0.00	0.0	1081.8	1083.9	1.04	582.41
72.0	0.00	0.0	1079.8	1081.8	1.04	582.41
73.0	0.00	0.0	1077.7	1079.8	1.03	582.40
74.0	0.00	0.0	1075.6	1077.7	1.03	582.40
75.0	0.00	0.0	1073.6	1075.6	1.03	582.39
76.0	0.00	0.0	1071.5	1073.6	1.03	582.39
77.0	0.00	0.0	1069.5	1071.5	1.03	582.38
78.0	0.00	0.0	1067.4	1069.5	1.03	582.38
79.0	0.00	0.0	1065.4	1067.4	1.02	582.37
80.0	0.00	0.0	1063.3	1065.4	1.02	582.37
81.0	0.00	0.0	1061.3	1063.3	1.02	582.36
82.0	0.00	0.0	1059.2	1061.3	1.02	582.36
83.0	0.00	0.0	1057.2	1059.2	1.02	582.35
84.0	0.00	0.0	1055.2	1057.2	1.02	582.35
85.0	0.00	0.0	1053.1	1055.2	1.01	582.34
86.0	0.00	0.0	1051.1	1053.1	1.01	582.34
87.0	0.00	0.0	1049.1	1051.1	1.01	582.33
88.0	0.00	0.0	1047.1	1049.1	1.01	582.33
89.0	0.00	0.0	1045.1	1047.1	1.01	582.32
90.0	0.00	0.0	1043.1	1045.1	1.01	582.32

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1041.1	1043.1	1.00	582.31
92.0	0.00	0.0	1039.1	1041.1	1.00	582.31
93.0	0.00	0.0	1037.0	1039.1	1.00	582.30
94.0	0.00	0.0	1035.0	1037.0	1.00	582.30
95.0	0.00	0.0	1033.0	1035.0	1.00	582.29
96.0	0.00	0.0	1031.0	1033.0	1.00	582.29
97.0	0.00	0.0	1029.0	1031.0	1.00	582.28
98.0	0.00	0.0	1027.0	1029.0	1.00	582.28
99.0	0.00	0.0	1025.0	1027.0	1.00	582.27
100.0	0.00	0.0	1023.0	1025.0	1.00	582.27
101.0	0.00	0.0	1021.0	1023.0	1.00	582.26
102.0	0.00	0.0	1019.0	1021.0	1.00	582.25
103.0	0.00	0.0	1017.0	1019.0	1.00	582.25
104.0	0.00	0.0	1015.0	1017.0	1.00	582.24
105.0	0.00	0.0	1013.0	1015.0	1.00	582.24
106.0	0.00	0.0	1011.0	1013.0	1.00	582.23
107.0	0.00	0.0	1009.0	1011.0	1.00	582.23
108.0	0.00	0.0	1007.0	1009.0	1.00	582.22
109.0	0.00	0.0	1005.0	1007.0	1.00	582.22
110.0	0.00	0.0	1003.0	1005.0	1.00	582.21
111.0	0.00	0.0	1001.0	1003.0	1.00	582.21
112.0	0.00	0.0	999.0	1001.0	1.00	582.20
113.0	0.00	0.0	997.0	999.0	1.00	582.20
114.0	0.00	0.0	995.0	997.0	1.00	582.19
115.0	0.00	0.0	993.0	995.0	1.00	582.19
116.0	0.00	0.0	991.0	993.0	1.00	582.18
117.0	0.00	0.0	989.0	991.0	1.00	582.18
118.0	0.00	0.0	987.0	989.0	1.00	582.17
119.0	0.00	0.0	985.0	987.0	1.00	582.17
120.0	0.00	0.0	983.0	985.0	1.00	582.16
121.0	0.00	0.0	981.0	983.0	1.00	582.16
122.0	0.00	0.0	979.0	981.0	1.00	582.15
123.0	0.00	0.0	977.0	979.0	1.00	582.15
124.0	0.00	0.0	975.0	977.0	1.00	582.14
125.0	0.00	0.0	973.0	975.0	1.00	582.14
126.0	0.00	0.0	971.0	973.0	1.00	582.13
127.0	0.00	0.0	969.0	971.0	1.00	582.13
128.0	0.00	0.0	967.0	969.0	1.00	582.12
129.0	0.00	0.0	965.0	967.0	1.00	582.12
130.0	0.00	0.0	963.0	965.0	1.00	582.11
131.0	0.00	0.0	961.0	963.0	1.00	582.11
132.0	0.00	0.0	959.0	961.0	1.00	582.10
133.0	0.00	0.0	957.0	959.0	1.00	582.10
134.0	0.00	0.0	955.0	957.0	1.00	582.09
135.0	0.00	0.0	953.0	955.0	1.00	582.09
136.0	0.00	0.0	951.0	953.0	1.00	582.08

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	949.0	951.0	1.00	582.08
138.0	0.00	0.0	947.0	949.0	1.00	582.07
139.0	0.00	0.0	945.0	947.0	1.00	582.07
140.0	0.00	0.0	943.0	945.0	1.00	582.06
141.0	0.00	0.0	941.0	943.0	1.00	582.06
142.0	0.00	0.0	939.0	941.0	1.00	582.05
143.0	0.00	0.0	937.0	939.0	1.00	582.04
144.0	0.00	0.0	935.0	937.0	1.00	582.04
145.0	0.00	0.0	933.0	935.0	1.00	582.03
146.0	0.00	0.0	931.0	933.0	1.00	582.03
147.0	0.00	0.0	929.0	931.0	1.00	582.02
148.0	0.00	0.0	927.0	929.0	1.00	582.02
149.0	0.00	0.0	925.0	927.0	1.00	582.01
150.0	0.00	0.0	923.0	925.0	1.00	582.01
151.0	0.00	0.0	921.0	923.0	1.00	582.00
152.0	0.00	0.0	919.0	921.0	1.00	582.00
153.0	0.00	0.0	917.0	919.0	1.00	581.99
154.0	0.00	0.0	915.0	917.0	1.00	581.99
155.0	0.00	0.0	913.0	915.0	1.00	581.98
156.0	0.00	0.0	911.0	913.0	1.00	581.98
157.0	0.00	0.0	909.0	911.0	1.00	581.97
158.0	0.00	0.0	907.0	909.0	1.00	581.97
159.0	0.00	0.0	905.0	907.0	1.00	581.96
160.0	0.00	0.0	903.0	905.0	1.00	581.96
161.0	0.00	0.0	901.0	903.0	1.00	581.95
162.0	0.00	0.0	899.0	901.0	1.00	581.95
163.0	0.00	0.0	897.0	899.0	1.00	581.94
164.0	0.00	0.0	895.0	897.0	1.00	581.93
165.0	0.00	0.0	893.0	895.0	1.00	581.93
166.0	0.00	0.0	891.0	893.0	1.00	581.92
167.0	0.00	0.0	889.0	891.0	1.00	581.92
168.0	0.00	0.0	887.0	889.0	1.00	581.91
169.0	0.00	0.0	885.0	887.0	1.00	581.91
170.0	0.00	0.0	883.0	885.0	1.00	581.90
171.0	0.00	0.0	881.0	883.0	1.00	581.90
172.0	0.00	0.0	879.0	881.0	1.00	581.89
173.0	0.00	0.0	877.0	879.0	1.00	581.89
174.0	0.00	0.0	875.0	877.0	1.00	581.88
175.0	0.00	0.0	873.0	875.0	1.00	581.88
176.0	0.00	0.0	871.0	873.0	1.00	581.87
177.0	0.00	0.0	869.0	871.0	1.00	581.87
178.0	0.00	0.0	867.0	869.0	1.00	581.86
179.0	0.00	0.0	865.0	867.0	1.00	581.86
180.0	0.00	0.0	863.0	865.0	1.00	581.85
181.0	0.00	0.0	861.0	863.0	1.00	581.84
182.0	0.00	0.0	859.0	861.0	1.00	581.84

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	857.0	859.0	1.00	581.83
184.0	0.00	0.0	855.0	857.0	1.00	581.83
185.0	0.00	0.0	853.0	855.0	1.00	581.82
186.0	0.00	0.0	851.0	853.0	1.00	581.82
187.0	0.00	0.0	849.0	851.0	1.00	581.81
188.0	0.00	0.0	847.0	849.0	1.00	581.81
189.0	0.00	0.0	845.0	847.0	1.00	581.80
190.0	0.00	0.0	843.0	845.0	1.00	581.80
191.0	0.00	0.0	841.0	843.0	1.00	581.79
192.0	0.00	0.0	839.0	841.0	1.00	581.79
193.0	0.00	0.0	837.0	839.0	1.00	581.78
194.0	0.00	0.0	835.0	837.0	1.00	581.78
195.0	0.00	0.0	833.0	835.0	1.00	581.77
196.0	0.00	0.0	831.0	833.0	1.00	581.76
197.0	0.00	0.0	829.0	831.0	1.00	581.76
198.0	0.00	0.0	827.0	829.0	1.00	581.75
199.0	0.00	0.0	825.0	827.0	1.00	581.75
200.0	0.00	0.0	823.0	825.0	1.00	581.74
201.0	0.00	0.0	821.0	823.0	1.00	581.74
202.0	0.00	0.0	819.0	821.0	1.00	581.73
203.0	0.00	0.0	817.0	819.0	1.00	581.73
204.0	0.00	0.0	815.0	817.0	1.00	581.72
205.0	0.00	0.0	813.0	815.0	1.00	581.72
206.0	0.00	0.0	811.0	813.0	1.00	581.71
207.0	0.00	0.0	809.0	811.0	1.00	581.71
208.0	0.00	0.0	807.0	809.0	1.00	581.70
209.0	0.00	0.0	805.1	807.0	1.00	581.70
210.0	0.00	0.0	803.1	805.1	1.00	581.69
211.0	0.00	0.0	801.1	803.1	0.99	581.68
212.0	0.00	0.0	799.1	801.1	0.99	581.68
213.0	0.00	0.0	797.1	799.1	0.99	581.67
214.0	0.00	0.0	795.1	797.1	0.99	581.67
215.0	0.00	0.0	793.1	795.1	0.99	581.66
216.0	0.00	0.0	791.2	793.1	0.99	581.66
217.0	0.00	0.0	789.2	791.2	0.98	581.65
218.0	0.00	0.0	787.2	789.2	0.98	581.65
219.0	0.00	0.0	785.3	787.2	0.98	581.64
220.0	0.00	0.0	783.3	785.3	0.98	581.64
221.0	0.00	0.0	781.4	783.3	0.98	581.63
222.0	0.00	0.0	779.4	781.4	0.97	581.62
223.0	0.00	0.0	777.5	779.4	0.97	581.62
224.0	0.00	0.0	775.5	777.5	0.97	581.61
225.0	0.00	0.0	773.6	775.5	0.97	581.61
226.0	0.00	0.0	771.7	773.6	0.97	581.60
227.0	0.00	0.0	769.7	771.7	0.97	581.60
228.0	0.00	0.0	767.8	769.7	0.96	581.59

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	765.9	767.8	0.96	581.59
230.0	0.00	0.0	764.0	765.9	0.96	581.58
231.0	0.00	0.0	762.0	764.0	0.96	581.58
232.0	0.00	0.0	760.1	762.0	0.96	581.57
233.0	0.00	0.0	758.2	760.1	0.96	581.57
234.0	0.00	0.0	756.3	758.2	0.95	581.56
235.0	0.00	0.0	754.4	756.3	0.95	581.56
236.0	0.00	0.0	752.5	754.4	0.95	581.55
237.0	0.00	0.0	750.6	752.5	0.95	581.54
238.0	0.00	0.0	748.7	750.6	0.95	581.54
239.0	0.00	0.0	746.8	748.7	0.94	581.53
240.0	0.00	0.0	744.9	746.8	0.94	581.53
241.0	0.00	0.0	743.1	744.9	0.94	581.52
242.0	0.00	0.0	741.2	743.1	0.94	581.52
243.0	0.00	0.0	739.3	741.2	0.94	581.51
244.0	0.00	0.0	737.4	739.3	0.94	581.51
245.0	0.00	0.0	735.6	737.4	0.93	581.50
246.0	0.00	0.0	733.7	735.6	0.93	581.50
247.0	0.00	0.0	731.8	733.7	0.93	581.49
248.0	0.00	0.0	730.0	731.8	0.93	581.49
249.0	0.00	0.0	728.1	730.0	0.93	581.48
250.0	0.00	0.0	726.3	728.1	0.93	581.48
251.0	0.00	0.0	724.4	726.3	0.92	581.47
252.0	0.00	0.0	722.6	724.4	0.92	581.47
253.0	0.00	0.0	720.7	722.6	0.92	581.46
254.0	0.00	0.0	718.9	720.7	0.92	581.46
255.0	0.00	0.0	717.1	718.9	0.92	581.45
256.0	0.00	0.0	715.2	717.1	0.92	581.45
257.0	0.00	0.0	713.4	715.2	0.91	581.44
258.0	0.00	0.0	711.6	713.4	0.91	581.44
259.0	0.00	0.0	709.7	711.6	0.91	581.43
260.0	0.00	0.0	707.9	709.7	0.91	581.43
261.0	0.00	0.0	706.1	707.9	0.91	581.42
262.0	0.00	0.0	704.3	706.1	0.91	581.42
263.0	0.00	0.0	702.5	704.3	0.90	581.41
264.0	0.00	0.0	700.7	702.5	0.90	581.41
265.0	0.00	0.0	698.9	700.7	0.90	581.40
266.0	0.00	0.0	697.1	698.9	0.90	581.40
267.0	0.00	0.0	695.3	697.1	0.90	581.39
268.0	0.00	0.0	693.5	695.3	0.90	581.39
269.0	0.00	0.0	691.7	693.5	0.90	581.38
270.0	0.00	0.0	689.9	691.7	0.90	581.38
271.0	0.00	0.0	688.1	689.9	0.90	581.37
272.0	0.00	0.0	686.3	688.1	0.90	581.37
273.0	0.00	0.0	684.5	686.3	0.90	581.36
274.0	0.00	0.0	682.7	684.5	0.90	581.36

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	680.9	682.7	0.90	581.35
276.0	0.00	0.0	679.1	680.9	0.90	581.35
277.0	0.00	0.0	677.3	679.1	0.90	581.34
278.0	0.00	0.0	675.5	677.3	0.90	581.33
279.0	0.00	0.0	673.7	675.5	0.90	581.33
280.0	0.00	0.0	671.9	673.7	0.90	581.32
281.0	0.00	0.0	670.1	671.9	0.90	581.32
282.0	0.00	0.0	668.3	670.1	0.90	581.31
283.0	0.00	0.0	666.5	668.3	0.90	581.31
284.0	0.00	0.0	664.7	666.5	0.90	581.30
285.0	0.00	0.0	662.9	664.7	0.90	581.30
286.0	0.00	0.0	661.1	662.9	0.90	581.29
287.0	0.00	0.0	659.3	661.1	0.90	581.29
288.0	0.00	0.0	657.5	659.3	0.90	581.28
289.0	0.00	0.0	655.7	657.5	0.90	581.28
290.0	0.00	0.0	653.9	655.7	0.90	581.27
291.0	0.00	0.0	652.1	653.9	0.90	581.27
292.0	0.00	0.0	650.3	652.1	0.90	581.26
293.0	0.00	0.0	648.5	650.3	0.90	581.26
294.0	0.00	0.0	646.7	648.5	0.90	581.25
295.0	0.00	0.0	644.9	646.7	0.90	581.25
296.0	0.00	0.0	643.1	644.9	0.90	581.24
297.0	0.00	0.0	641.3	643.1	0.90	581.24
298.0	0.00	0.0	639.5	641.3	0.90	581.23
299.0	0.00	0.0	637.7	639.5	0.90	581.23
300.0	0.00	0.0	635.9	637.7	0.90	581.22
301.0	0.00	0.0	634.1	635.9	0.90	581.22
302.0	0.00	0.0	632.3	634.1	0.90	581.21
303.0	0.00	0.0	630.5	632.3	0.90	581.21

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2 .PND
Inflow Hydrograph: j:\DATA\0312269\15BASIN2 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASIN215 .HYD

Starting Pond W.S. Elevation = 577.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 30.60 cfs
Peak Outflow = 1.10 cfs
Peak Elevation = 582.65 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 35,454 cu-ft

Total Storage in Pond = 35,454 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #2 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\25BASIN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 577.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
577.50	0.0	0	0.0	0.0
577.80	0.1	5	0.2	0.3
578.10	0.3	47	1.6	1.9
578.40	0.4	223	7.4	7.8
578.70	0.5	662	22.1	22.6
579.00	0.6	1,479	49.3	49.9
579.30	0.6	2,721	90.7	91.3
579.60	0.7	4,394	146.5	147.2
579.90	0.7	6,564	218.8	219.5
580.20	0.8	9,186	306.2	307.0
580.50	0.8	11,952	398.4	399.2
580.80	0.9	14,836	494.5	495.4
581.10	0.9	17,842	594.7	595.6
581.40	0.9	20,972	699.1	700.0
581.70	1.0	24,229	807.6	808.6
582.00	1.0	27,616	920.5	921.5
582.30	1.0	31,131	1037.7	1038.7
582.60	1.1	34,777	1159.2	1160.3
582.90	1.1	38,555	1285.2	1286.3
583.20	1.1	42,467	1415.6	1416.7
583.50	1.2	46,516	1550.5	1551.7
583.80	7.5	50,704	1690.1	1697.6
584.10	19.1	55,033	1834.4	1853.5
584.40	34.1	59,503	1983.4	2017.5
584.70	51.9	64,114	2137.1	2189.0
585.00	74.6	68,869	2295.6	2370.2
585.30	88.0	73,770	2459.0	2547.0
585.60	99.7	78,818	2627.3	2727.0
585.90	110.1	84,019	2800.6	2910.7
586.00	113.3	85,785	2859.5	2972.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	577.50
1.0	7.55	7.6	6.8	7.6	0.40	578.39
2.0	15.10	22.7	28.4	29.4	0.53	578.78
3.0	22.64	37.7	64.9	66.1	0.60	579.12
4.0	30.19	52.8	116.4	117.7	0.65	579.44
5.0	37.74	67.9	183.0	184.4	0.70	579.75
6.0	37.74	75.5	257.0	258.4	0.74	580.03
7.0	37.74	75.5	330.8	332.4	0.80	580.28
8.0	37.74	75.5	404.7	406.3	0.81	580.52
9.0	37.74	75.5	478.4	480.2	0.88	580.75
10.0	37.74	75.5	552.1	553.9	0.90	580.98
11.0	37.74	75.5	625.8	627.6	0.90	581.19
12.0	37.74	75.5	699.5	701.3	0.90	581.40
13.0	37.74	75.5	773.0	774.9	0.97	581.61
14.0	37.74	75.5	846.5	848.5	1.00	581.81
15.0	37.74	75.5	920.0	922.0	1.00	582.00
16.0	37.74	75.5	993.4	995.4	1.00	582.19
17.0	37.74	75.5	1066.9	1068.9	1.02	582.37
18.0	37.74	75.5	1140.2	1142.3	1.09	582.56
19.0	37.74	75.5	1213.5	1215.7	1.10	582.73
20.0	37.74	75.5	1286.7	1288.9	1.10	582.91
21.0	30.19	67.9	1352.5	1354.7	1.10	583.06
22.0	22.64	52.8	1403.1	1405.3	1.10	583.17
23.0	15.10	37.7	1438.6	1440.8	1.12	583.25
24.0	7.55	22.7	1459.0	1461.2	1.13	583.30
25.0	0.00	7.6	1464.3	1466.5	1.14	583.31
26.0	0.00	0.0	1462.0	1464.3	1.14	583.31
27.0	0.00	0.0	1459.7	1462.0	1.13	583.30
28.0	0.00	0.0	1457.5	1459.7	1.13	583.30
29.0	0.00	0.0	1455.2	1457.5	1.13	583.29
30.0	0.00	0.0	1452.9	1455.2	1.13	583.29
31.0	0.00	0.0	1450.7	1452.9	1.13	583.28
32.0	0.00	0.0	1448.4	1450.7	1.13	583.28
33.0	0.00	0.0	1446.2	1448.4	1.12	583.27
34.0	0.00	0.0	1443.9	1446.2	1.12	583.27
35.0	0.00	0.0	1441.7	1443.9	1.12	583.26
36.0	0.00	0.0	1439.5	1441.7	1.12	583.26
37.0	0.00	0.0	1437.2	1439.5	1.12	583.25
38.0	0.00	0.0	1435.0	1437.2	1.12	583.25
39.0	0.00	0.0	1432.8	1435.0	1.11	583.24
40.0	0.00	0.0	1430.6	1432.8	1.11	583.24
41.0	0.00	0.0	1428.3	1430.6	1.11	583.23
42.0	0.00	0.0	1426.1	1428.3	1.11	583.23
43.0	0.00	0.0	1423.9	1426.1	1.11	583.22
44.0	0.00	0.0	1421.7	1423.9	1.11	583.22

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1419.5	1421.7	1.10	583.21
46.0	0.00	0.0	1417.3	1419.5	1.10	583.21
47.0	0.00	0.0	1415.1	1417.3	1.10	583.20
48.0	0.00	0.0	1412.9	1415.1	1.10	583.20
49.0	0.00	0.0	1410.7	1412.9	1.10	583.19
50.0	0.00	0.0	1408.5	1410.7	1.10	583.19
51.0	0.00	0.0	1406.3	1408.5	1.10	583.18
52.0	0.00	0.0	1404.1	1406.3	1.10	583.18
53.0	0.00	0.0	1401.9	1404.1	1.10	583.17
54.0	0.00	0.0	1399.7	1401.9	1.10	583.17
55.0	0.00	0.0	1397.5	1399.7	1.10	583.16
56.0	0.00	0.0	1395.3	1397.5	1.10	583.16
57.0	0.00	0.0	1393.1	1395.3	1.10	583.15
58.0	0.00	0.0	1390.9	1393.1	1.10	583.15
59.0	0.00	0.0	1388.7	1390.9	1.10	583.14
60.0	0.00	0.0	1386.5	1388.7	1.10	583.14
61.0	0.00	0.0	1384.3	1386.5	1.10	583.13
62.0	0.00	0.0	1382.1	1384.3	1.10	583.13
63.0	0.00	0.0	1379.9	1382.1	1.10	583.12
64.0	0.00	0.0	1377.7	1379.9	1.10	583.12
65.0	0.00	0.0	1375.5	1377.7	1.10	583.11
66.0	0.00	0.0	1373.3	1375.5	1.10	583.11
67.0	0.00	0.0	1371.1	1373.3	1.10	583.10
68.0	0.00	0.0	1368.9	1371.1	1.10	583.10
69.0	0.00	0.0	1366.7	1368.9	1.10	583.09
70.0	0.00	0.0	1364.5	1366.7	1.10	583.08
71.0	0.00	0.0	1362.3	1364.5	1.10	583.08
72.0	0.00	0.0	1360.1	1362.3	1.10	583.07
73.0	0.00	0.0	1357.9	1360.1	1.10	583.07
74.0	0.00	0.0	1355.7	1357.9	1.10	583.06
75.0	0.00	0.0	1353.5	1355.7	1.10	583.06
76.0	0.00	0.0	1351.3	1353.5	1.10	583.05
77.0	0.00	0.0	1349.1	1351.3	1.10	583.05
78.0	0.00	0.0	1346.9	1349.1	1.10	583.04
79.0	0.00	0.0	1344.7	1346.9	1.10	583.04
80.0	0.00	0.0	1342.5	1344.7	1.10	583.03
81.0	0.00	0.0	1340.3	1342.5	1.10	583.03
82.0	0.00	0.0	1338.1	1340.3	1.10	583.02
83.0	0.00	0.0	1335.9	1338.1	1.10	583.02
84.0	0.00	0.0	1333.7	1335.9	1.10	583.01
85.0	0.00	0.0	1331.5	1333.7	1.10	583.01
86.0	0.00	0.0	1329.3	1331.5	1.10	583.00
87.0	0.00	0.0	1327.1	1329.3	1.10	583.00
88.0	0.00	0.0	1324.9	1327.1	1.10	582.99
89.0	0.00	0.0	1322.7	1324.9	1.10	582.99
90.0	0.00	0.0	1320.5	1322.7	1.10	582.98

Input File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1318.3	1320.5	1.10	582.98
92.0	0.00	0.0	1316.1	1318.3	1.10	582.97
93.0	0.00	0.0	1313.9	1316.1	1.10	582.97
94.0	0.00	0.0	1311.7	1313.9	1.10	582.96
95.0	0.00	0.0	1309.5	1311.7	1.10	582.96
96.0	0.00	0.0	1307.3	1309.5	1.10	582.95
97.0	0.00	0.0	1305.1	1307.3	1.10	582.95
98.0	0.00	0.0	1302.9	1305.1	1.10	582.94
99.0	0.00	0.0	1300.7	1302.9	1.10	582.94
100.0	0.00	0.0	1298.5	1300.7	1.10	582.93
101.0	0.00	0.0	1296.3	1298.5	1.10	582.93
102.0	0.00	0.0	1294.1	1296.3	1.10	582.92
103.0	0.00	0.0	1291.9	1294.1	1.10	582.92
104.0	0.00	0.0	1289.7	1291.9	1.10	582.91
105.0	0.00	0.0	1287.5	1289.7	1.10	582.91
106.0	0.00	0.0	1285.3	1287.5	1.10	582.90
107.0	0.00	0.0	1283.1	1285.3	1.10	582.90
108.0	0.00	0.0	1280.9	1283.1	1.10	582.89
109.0	0.00	0.0	1278.7	1280.9	1.10	582.89
110.0	0.00	0.0	1276.5	1278.7	1.10	582.88
111.0	0.00	0.0	1274.3	1276.5	1.10	582.88
112.0	0.00	0.0	1272.1	1274.3	1.10	582.87
113.0	0.00	0.0	1269.9	1272.1	1.10	582.87
114.0	0.00	0.0	1267.7	1269.9	1.10	582.86
115.0	0.00	0.0	1265.5	1267.7	1.10	582.86
116.0	0.00	0.0	1263.3	1265.5	1.10	582.85
117.0	0.00	0.0	1261.1	1263.3	1.10	582.85
118.0	0.00	0.0	1258.9	1261.1	1.10	582.84
119.0	0.00	0.0	1256.7	1258.9	1.10	582.83
120.0	0.00	0.0	1254.5	1256.7	1.10	582.83
121.0	0.00	0.0	1252.3	1254.5	1.10	582.82
122.0	0.00	0.0	1250.1	1252.3	1.10	582.82
123.0	0.00	0.0	1247.9	1250.1	1.10	582.81
124.0	0.00	0.0	1245.7	1247.9	1.10	582.81
125.0	0.00	0.0	1243.5	1245.7	1.10	582.80
126.0	0.00	0.0	1241.3	1243.5	1.10	582.80
127.0	0.00	0.0	1239.1	1241.3	1.10	582.79
128.0	0.00	0.0	1236.9	1239.1	1.10	582.79
129.0	0.00	0.0	1234.7	1236.9	1.10	582.78
130.0	0.00	0.0	1232.5	1234.7	1.10	582.78
131.0	0.00	0.0	1230.3	1232.5	1.10	582.77
132.0	0.00	0.0	1228.1	1230.3	1.10	582.77
133.0	0.00	0.0	1225.9	1228.1	1.10	582.76
134.0	0.00	0.0	1223.7	1225.9	1.10	582.76
135.0	0.00	0.0	1221.5	1223.7	1.10	582.75
136.0	0.00	0.0	1219.3	1221.5	1.10	582.75

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1217.1	1219.3	1.10	582.74
138.0	0.00	0.0	1214.9	1217.1	1.10	582.74
139.0	0.00	0.0	1212.7	1214.9	1.10	582.73
140.0	0.00	0.0	1210.5	1212.7	1.10	582.72
141.0	0.00	0.0	1208.3	1210.5	1.10	582.72
142.0	0.00	0.0	1206.1	1208.3	1.10	582.71
143.0	0.00	0.0	1203.9	1206.1	1.10	582.71
144.0	0.00	0.0	1201.7	1203.9	1.10	582.70
145.0	0.00	0.0	1199.5	1201.7	1.10	582.70
146.0	0.00	0.0	1197.3	1199.5	1.10	582.69
147.0	0.00	0.0	1195.1	1197.3	1.10	582.69
148.0	0.00	0.0	1192.9	1195.1	1.10	582.68
149.0	0.00	0.0	1190.7	1192.9	1.10	582.68
150.0	0.00	0.0	1188.5	1190.7	1.10	582.67
151.0	0.00	0.0	1186.3	1188.5	1.10	582.67
152.0	0.00	0.0	1184.1	1186.3	1.10	582.66
153.0	0.00	0.0	1181.9	1184.1	1.10	582.66
154.0	0.00	0.0	1179.7	1181.9	1.10	582.65
155.0	0.00	0.0	1177.5	1179.7	1.10	582.65
156.0	0.00	0.0	1175.3	1177.5	1.10	582.64
157.0	0.00	0.0	1173.1	1175.3	1.10	582.64
158.0	0.00	0.0	1170.9	1173.1	1.10	582.63
159.0	0.00	0.0	1168.7	1170.9	1.10	582.63
160.0	0.00	0.0	1166.5	1168.7	1.10	582.62
161.0	0.00	0.0	1164.3	1166.5	1.10	582.61
162.0	0.00	0.0	1162.1	1164.3	1.10	582.61
163.0	0.00	0.0	1159.9	1162.1	1.10	582.60
164.0	0.00	0.0	1157.7	1159.9	1.10	582.60
165.0	0.00	0.0	1155.5	1157.7	1.10	582.59
166.0	0.00	0.0	1153.3	1155.5	1.10	582.59
167.0	0.00	0.0	1151.1	1153.3	1.09	582.58
168.0	0.00	0.0	1148.9	1151.1	1.09	582.58
169.0	0.00	0.0	1146.7	1148.9	1.09	582.57
170.0	0.00	0.0	1144.6	1146.7	1.09	582.57
171.0	0.00	0.0	1142.4	1144.6	1.09	582.56
172.0	0.00	0.0	1140.2	1142.4	1.09	582.56
173.0	0.00	0.0	1138.0	1140.2	1.08	582.55
174.0	0.00	0.0	1135.9	1138.0	1.08	582.55
175.0	0.00	0.0	1133.7	1135.9	1.08	582.54
176.0	0.00	0.0	1131.6	1133.7	1.08	582.53
177.0	0.00	0.0	1129.4	1131.6	1.08	582.53
178.0	0.00	0.0	1127.3	1129.4	1.07	582.52
179.0	0.00	0.0	1125.1	1127.3	1.07	582.52
180.0	0.00	0.0	1123.0	1125.1	1.07	582.51
181.0	0.00	0.0	1120.8	1123.0	1.07	582.51
182.0	0.00	0.0	1118.7	1120.8	1.07	582.50

Input File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1116.6	1118.7	1.07	582.50
184.0	0.00	0.0	1114.4	1116.6	1.06	582.49
185.0	0.00	0.0	1112.3	1114.4	1.06	582.49
186.0	0.00	0.0	1110.2	1112.3	1.06	582.48
187.0	0.00	0.0	1108.1	1110.2	1.06	582.48
188.0	0.00	0.0	1106.0	1108.1	1.06	582.47
189.0	0.00	0.0	1103.9	1106.0	1.06	582.47
190.0	0.00	0.0	1101.7	1103.9	1.05	582.46
191.0	0.00	0.0	1099.6	1101.7	1.05	582.46
192.0	0.00	0.0	1097.5	1099.6	1.05	582.45
193.0	0.00	0.0	1095.4	1097.5	1.05	582.45
194.0	0.00	0.0	1093.4	1095.4	1.05	582.44
195.0	0.00	0.0	1091.3	1093.4	1.04	582.43
196.0	0.00	0.0	1089.2	1091.3	1.04	582.43
197.0	0.00	0.0	1087.1	1089.2	1.04	582.42
198.0	0.00	0.0	1085.0	1087.1	1.04	582.42
199.0	0.00	0.0	1082.9	1085.0	1.04	582.41
200.0	0.00	0.0	1080.9	1082.9	1.04	582.41
201.0	0.00	0.0	1078.8	1080.9	1.03	582.40
202.0	0.00	0.0	1076.7	1078.8	1.03	582.40
203.0	0.00	0.0	1074.7	1076.7	1.03	582.39
204.0	0.00	0.0	1072.6	1074.7	1.03	582.39
205.0	0.00	0.0	1070.6	1072.6	1.03	582.38
206.0	0.00	0.0	1068.5	1070.6	1.03	582.38
207.0	0.00	0.0	1066.5	1068.5	1.02	582.37
208.0	0.00	0.0	1064.4	1066.5	1.02	582.37
209.0	0.00	0.0	1062.4	1064.4	1.02	582.36
210.0	0.00	0.0	1060.3	1062.4	1.02	582.36
211.0	0.00	0.0	1058.3	1060.3	1.02	582.35
212.0	0.00	0.0	1056.3	1058.3	1.02	582.35
213.0	0.00	0.0	1054.2	1056.3	1.01	582.34
214.0	0.00	0.0	1052.2	1054.2	1.01	582.34
215.0	0.00	0.0	1050.2	1052.2	1.01	582.33
216.0	0.00	0.0	1048.2	1050.2	1.01	582.33
217.0	0.00	0.0	1046.1	1048.2	1.01	582.32
218.0	0.00	0.0	1044.1	1046.1	1.01	582.32
219.0	0.00	0.0	1042.1	1044.1	1.00	582.31
220.0	0.00	0.0	1040.1	1042.1	1.00	582.31
221.0	0.00	0.0	1038.1	1040.1	1.00	582.30
222.0	0.00	0.0	1036.1	1038.1	1.00	582.30
223.0	0.00	0.0	1034.1	1036.1	1.00	582.29
224.0	0.00	0.0	1032.1	1034.1	1.00	582.29
225.0	0.00	0.0	1030.1	1032.1	1.00	582.28
226.0	0.00	0.0	1028.1	1030.1	1.00	582.28
227.0	0.00	0.0	1026.1	1028.1	1.00	582.27
228.0	0.00	0.0	1024.1	1026.1	1.00	582.27

and File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1022.1	1024.1	1.00	582.26
230.0	0.00	0.0	1020.1	1022.1	1.00	582.26
231.0	0.00	0.0	1018.1	1020.1	1.00	582.25
232.0	0.00	0.0	1016.1	1018.1	1.00	582.25
233.0	0.00	0.0	1014.1	1016.1	1.00	582.24
234.0	0.00	0.0	1012.1	1014.1	1.00	582.24
235.0	0.00	0.0	1010.1	1012.1	1.00	582.23
236.0	0.00	0.0	1008.1	1010.1	1.00	582.23
237.0	0.00	0.0	1006.1	1008.1	1.00	582.22
238.0	0.00	0.0	1004.1	1006.1	1.00	582.22
239.0	0.00	0.0	1002.1	1004.1	1.00	582.21
240.0	0.00	0.0	1000.1	1002.1	1.00	582.21
241.0	0.00	0.0	998.1	1000.1	1.00	582.20
242.0	0.00	0.0	996.1	998.1	1.00	582.20
243.0	0.00	0.0	994.1	996.1	1.00	582.19
244.0	0.00	0.0	992.1	994.1	1.00	582.19
245.0	0.00	0.0	990.1	992.1	1.00	582.18
246.0	0.00	0.0	988.1	990.1	1.00	582.18
247.0	0.00	0.0	986.1	988.1	1.00	582.17
248.0	0.00	0.0	984.1	986.1	1.00	582.17
249.0	0.00	0.0	982.1	984.1	1.00	582.16
250.0	0.00	0.0	980.1	982.1	1.00	582.16
251.0	0.00	0.0	978.1	980.1	1.00	582.15
252.0	0.00	0.0	976.1	978.1	1.00	582.14
253.0	0.00	0.0	974.1	976.1	1.00	582.14
254.0	0.00	0.0	972.1	974.1	1.00	582.13
255.0	0.00	0.0	970.1	972.1	1.00	582.13
256.0	0.00	0.0	968.1	970.1	1.00	582.12
257.0	0.00	0.0	966.1	968.1	1.00	582.12
258.0	0.00	0.0	964.1	966.1	1.00	582.11
259.0	0.00	0.0	962.1	964.1	1.00	582.11
260.0	0.00	0.0	960.1	962.1	1.00	582.10
261.0	0.00	0.0	958.1	960.1	1.00	582.10
262.0	0.00	0.0	956.1	958.1	1.00	582.09
263.0	0.00	0.0	954.1	956.1	1.00	582.09
264.0	0.00	0.0	952.1	954.1	1.00	582.08
265.0	0.00	0.0	950.1	952.1	1.00	582.08
266.0	0.00	0.0	948.1	950.1	1.00	582.07
267.0	0.00	0.0	946.1	948.1	1.00	582.07
268.0	0.00	0.0	944.1	946.1	1.00	582.06
269.0	0.00	0.0	942.1	944.1	1.00	582.06
270.0	0.00	0.0	940.1	942.1	1.00	582.05
271.0	0.00	0.0	938.1	940.1	1.00	582.05
272.0	0.00	0.0	936.1	938.1	1.00	582.04
273.0	0.00	0.0	934.1	936.1	1.00	582.04
274.0	0.00	0.0	932.1	934.1	1.00	582.03

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	930.1	932.1	1.00	582.03
276.0	0.00	0.0	928.1	930.1	1.00	582.02
277.0	0.00	0.0	926.1	928.1	1.00	582.02
278.0	0.00	0.0	924.1	926.1	1.00	582.01
279.0	0.00	0.0	922.1	924.1	1.00	582.01
280.0	0.00	0.0	920.1	922.1	1.00	582.00
281.0	0.00	0.0	918.1	920.1	1.00	582.00
282.0	0.00	0.0	916.1	918.1	1.00	581.99
283.0	0.00	0.0	914.1	916.1	1.00	581.99
284.0	0.00	0.0	912.1	914.1	1.00	581.98
285.0	0.00	0.0	910.1	912.1	1.00	581.98
286.0	0.00	0.0	908.1	910.1	1.00	581.97
287.0	0.00	0.0	906.1	908.1	1.00	581.96
288.0	0.00	0.0	904.1	906.1	1.00	581.96
289.0	0.00	0.0	902.1	904.1	1.00	581.95
290.0	0.00	0.0	900.1	902.1	1.00	581.95
291.0	0.00	0.0	898.1	900.1	1.00	581.94
292.0	0.00	0.0	896.1	898.1	1.00	581.94
293.0	0.00	0.0	894.1	896.1	1.00	581.93
294.0	0.00	0.0	892.1	894.1	1.00	581.93
295.0	0.00	0.0	890.1	892.1	1.00	581.92
296.0	0.00	0.0	888.1	890.1	1.00	581.92
297.0	0.00	0.0	886.1	888.1	1.00	581.91
298.0	0.00	0.0	884.1	886.1	1.00	581.91
299.0	0.00	0.0	882.1	884.1	1.00	581.90
300.0	0.00	0.0	880.1	882.1	1.00	581.90
301.0	0.00	0.0	878.1	880.1	1.00	581.89
302.0	0.00	0.0	876.1	878.1	1.00	581.88
303.0	0.00	0.0	874.1	876.1	1.00	581.88

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2 .PND
Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN225 .HYD

Starting Pond W.S. Elevation = 577.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 37.74 cfs
Peak Outflow = 1.14 cfs
Peak Elevation = 583.31 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 43,962 cu-ft

Total Storage in Pond = 43,962 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #2 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Rating Table file: j:\DATA\0312269\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 577.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
577.50	0.0	0	0.0	0.0
577.80	0.1	5	0.2	0.3
578.10	0.3	47	1.6	1.9
578.40	0.4	223	7.4	7.8
578.70	0.5	662	22.1	22.6
579.00	0.6	1,479	49.3	49.9
579.30	0.6	2,721	90.7	91.3
579.60	0.7	4,394	146.5	147.2
579.90	0.7	6,564	218.8	219.5
580.20	0.8	9,186	306.2	307.0
580.50	0.8	11,952	398.4	399.2
580.80	0.9	14,836	494.5	495.4
581.10	0.9	17,842	594.7	595.6
581.40	0.9	20,972	699.1	700.0
581.70	1.0	24,229	807.6	808.6
582.00	1.0	27,616	920.5	921.5
582.30	1.0	31,131	1037.7	1038.7
582.60	1.1	34,777	1159.2	1160.3
582.90	1.1	38,555	1285.2	1286.3
583.20	1.1	42,467	1415.6	1416.7
583.50	1.2	46,516	1550.5	1551.7
583.80	7.5	50,704	1690.1	1697.6
584.10	19.1	55,033	1834.4	1853.5
584.40	34.1	59,503	1983.4	2017.5
584.70	51.9	64,114	2137.1	2189.0
585.00	74.6	68,869	2295.6	2370.2
585.30	88.0	73,770	2459.0	2547.0
585.60	99.7	78,818	2627.3	2727.0
585.90	110.1	84,019	2800.6	2910.7
586.00	113.3	85,785	2859.5	2972.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	577.50
1.0	9.69	9.7	8.9	9.7	0.41	578.44
2.0	19.38	29.1	36.8	37.9	0.56	578.87
3.0	29.07	48.5	84.1	85.3	0.60	579.26
4.0	38.76	67.8	150.5	151.9	0.70	579.62
5.0	48.45	87.2	236.3	237.7	0.72	579.96
6.0	48.45	96.9	331.6	333.2	0.80	580.29
7.0	48.45	96.9	426.8	428.5	0.83	580.59
8.0	48.45	96.9	521.9	523.7	0.90	580.88
9.0	48.45	96.9	617.0	618.8	0.90	581.17
10.0	48.45	96.9	712.1	713.9	0.91	581.44
11.0	48.45	96.9	807.0	809.0	1.00	581.70
12.0	48.45	96.9	901.9	903.9	1.00	581.95
13.0	48.45	96.9	996.8	998.8	1.00	582.20
14.0	48.45	96.9	1091.6	1093.7	1.05	582.44
15.0	48.45	96.9	1186.3	1188.5	1.10	582.67
16.0	48.45	96.9	1281.0	1283.2	1.10	582.89
17.0	48.45	96.9	1375.7	1377.9	1.10	583.11
18.0	48.45	96.9	1470.3	1472.6	1.14	583.32
19.0	48.45	96.9	1563.5	1567.2	1.87	583.53
20.0	48.45	96.9	1648.6	1660.4	5.89	583.72
21.0	38.76	87.2	1715.1	1735.8	10.34	583.87
22.0	29.07	67.8	1755.3	1783.0	13.85	583.96
23.0	19.38	48.5	1772.9	1803.7	15.39	584.00
24.0	9.69	29.1	1771.5	1802.0	15.27	584.00
25.0	0.00	9.7	1753.7	1781.1	13.71	583.96
26.0	0.00	0.0	1730.4	1753.7	11.67	583.91
27.0	0.00	0.0	1710.5	1730.4	9.94	583.86
28.0	0.00	0.0	1693.6	1710.5	8.46	583.82
29.0	0.00	0.0	1678.9	1693.6	7.33	583.79
30.0	0.00	0.0	1665.5	1678.9	6.69	583.76
31.0	0.00	0.0	1653.3	1665.5	6.11	583.73
32.0	0.00	0.0	1642.1	1653.3	5.59	583.71
33.0	0.00	0.0	1631.9	1642.1	5.10	583.69
34.0	0.00	0.0	1622.6	1631.9	4.66	583.66
35.0	0.00	0.0	1614.1	1622.6	4.26	583.65
36.0	0.00	0.0	1606.3	1614.1	3.89	583.63
37.0	0.00	0.0	1599.2	1606.3	3.56	583.61
38.0	0.00	0.0	1592.7	1599.2	3.25	583.60
39.0	0.00	0.0	1586.8	1592.7	2.97	583.58
40.0	0.00	0.0	1581.3	1586.8	2.71	583.57
41.0	0.00	0.0	1576.4	1581.3	2.48	583.56
42.0	0.00	0.0	1571.8	1576.4	2.26	583.55
43.0	0.00	0.0	1567.7	1571.8	2.07	583.54
44.0	0.00	0.0	1563.9	1567.7	1.89	583.53

id File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1560.5	1563.9	1.73	583.53
46.0	0.00	0.0	1557.3	1560.5	1.58	583.52
47.0	0.00	0.0	1554.4	1557.3	1.44	583.51
48.0	0.00	0.0	1551.8	1554.4	1.32	583.51
49.0	0.00	0.0	1549.4	1551.8	1.20	583.50
50.0	0.00	0.0	1547.0	1549.4	1.20	583.49
51.0	0.00	0.0	1544.6	1547.0	1.20	583.49
52.0	0.00	0.0	1542.2	1544.6	1.19	583.48
53.0	0.00	0.0	1539.8	1542.2	1.19	583.48
54.0	0.00	0.0	1537.4	1539.8	1.19	583.47
55.0	0.00	0.0	1535.1	1537.4	1.19	583.47
56.0	0.00	0.0	1532.7	1535.1	1.19	583.46
57.0	0.00	0.0	1530.3	1532.7	1.19	583.46
58.0	0.00	0.0	1528.0	1530.3	1.18	583.45
59.0	0.00	0.0	1525.6	1528.0	1.18	583.45
60.0	0.00	0.0	1523.2	1525.6	1.18	583.44
61.0	0.00	0.0	1520.9	1523.2	1.18	583.44
62.0	0.00	0.0	1518.5	1520.9	1.18	583.43
63.0	0.00	0.0	1516.2	1518.5	1.18	583.43
64.0	0.00	0.0	1513.8	1516.2	1.17	583.42
65.0	0.00	0.0	1511.5	1513.8	1.17	583.42
66.0	0.00	0.0	1509.1	1511.5	1.17	583.41
67.0	0.00	0.0	1506.8	1509.1	1.17	583.41
68.0	0.00	0.0	1504.5	1506.8	1.17	583.40
69.0	0.00	0.0	1502.1	1504.5	1.17	583.40
70.0	0.00	0.0	1499.8	1502.1	1.16	583.39
71.0	0.00	0.0	1497.5	1499.8	1.16	583.38
72.0	0.00	0.0	1495.2	1497.5	1.16	583.38
73.0	0.00	0.0	1492.8	1495.2	1.16	583.37
74.0	0.00	0.0	1490.5	1492.8	1.16	583.37
75.0	0.00	0.0	1488.2	1490.5	1.15	583.36
76.0	0.00	0.0	1485.9	1488.2	1.15	583.36
77.0	0.00	0.0	1483.6	1485.9	1.15	583.35
78.0	0.00	0.0	1481.3	1483.6	1.15	583.35
79.0	0.00	0.0	1479.0	1481.3	1.15	583.34
80.0	0.00	0.0	1476.7	1479.0	1.15	583.34
81.0	0.00	0.0	1474.4	1476.7	1.14	583.33
82.0	0.00	0.0	1472.2	1474.4	1.14	583.33
83.0	0.00	0.0	1469.9	1472.2	1.14	583.32
84.0	0.00	0.0	1467.6	1469.9	1.14	583.32
85.0	0.00	0.0	1465.3	1467.6	1.14	583.31
86.0	0.00	0.0	1463.0	1465.3	1.14	583.31
87.0	0.00	0.0	1460.8	1463.0	1.13	583.30
88.0	0.00	0.0	1458.5	1460.8	1.13	583.30
89.0	0.00	0.0	1456.3	1458.5	1.13	583.29
90.0	0.00	0.0	1454.0	1456.3	1.13	583.29

Input File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1451.7	1454.0	1.13	583.28
92.0	0.00	0.0	1449.5	1451.7	1.13	583.28
93.0	0.00	0.0	1447.2	1449.5	1.12	583.27
94.0	0.00	0.0	1445.0	1447.2	1.12	583.27
95.0	0.00	0.0	1442.7	1445.0	1.12	583.26
96.0	0.00	0.0	1440.5	1442.7	1.12	583.26
97.0	0.00	0.0	1438.3	1440.5	1.12	583.25
98.0	0.00	0.0	1436.0	1438.3	1.12	583.25
99.0	0.00	0.0	1433.8	1436.0	1.11	583.24
100.0	0.00	0.0	1431.6	1433.8	1.11	583.24
101.0	0.00	0.0	1429.4	1431.6	1.11	583.23
102.0	0.00	0.0	1427.1	1429.4	1.11	583.23
103.0	0.00	0.0	1424.9	1427.1	1.11	583.22
104.0	0.00	0.0	1422.7	1424.9	1.11	583.22
105.0	0.00	0.0	1420.5	1422.7	1.10	583.21
106.0	0.00	0.0	1418.3	1420.5	1.10	583.21
107.0	0.00	0.0	1416.1	1418.3	1.10	583.20
108.0	0.00	0.0	1413.9	1416.1	1.10	583.20
109.0	0.00	0.0	1411.7	1413.9	1.10	583.19
110.0	0.00	0.0	1409.5	1411.7	1.10	583.19
111.0	0.00	0.0	1407.3	1409.5	1.10	583.18
112.0	0.00	0.0	1405.1	1407.3	1.10	583.18
113.0	0.00	0.0	1402.9	1405.1	1.10	583.17
114.0	0.00	0.0	1400.7	1402.9	1.10	583.17
115.0	0.00	0.0	1398.5	1400.7	1.10	583.16
116.0	0.00	0.0	1396.3	1398.5	1.10	583.16
117.0	0.00	0.0	1394.1	1396.3	1.10	583.15
118.0	0.00	0.0	1391.9	1394.1	1.10	583.15
119.0	0.00	0.0	1389.7	1391.9	1.10	583.14
120.0	0.00	0.0	1387.5	1389.7	1.10	583.14
121.0	0.00	0.0	1385.3	1387.5	1.10	583.13
122.0	0.00	0.0	1383.1	1385.3	1.10	583.13
123.0	0.00	0.0	1380.9	1383.1	1.10	583.12
124.0	0.00	0.0	1378.7	1380.9	1.10	583.12
125.0	0.00	0.0	1376.5	1378.7	1.10	583.11
126.0	0.00	0.0	1374.3	1376.5	1.10	583.11
127.0	0.00	0.0	1372.1	1374.3	1.10	583.10
128.0	0.00	0.0	1369.9	1372.1	1.10	583.10
129.0	0.00	0.0	1367.7	1369.9	1.10	583.09
130.0	0.00	0.0	1365.5	1367.7	1.10	583.09
131.0	0.00	0.0	1363.3	1365.5	1.10	583.08
132.0	0.00	0.0	1361.1	1363.3	1.10	583.08
133.0	0.00	0.0	1358.9	1361.1	1.10	583.07
134.0	0.00	0.0	1356.7	1358.9	1.10	583.07
135.0	0.00	0.0	1354.5	1356.7	1.10	583.06
136.0	0.00	0.0	1352.3	1354.5	1.10	583.06

Input File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1350.1	1352.3	1.10	583.05
138.0	0.00	0.0	1347.9	1350.1	1.10	583.05
139.0	0.00	0.0	1345.7	1347.9	1.10	583.04
140.0	0.00	0.0	1343.5	1345.7	1.10	583.04
141.0	0.00	0.0	1341.3	1343.5	1.10	583.03
142.0	0.00	0.0	1339.1	1341.3	1.10	583.03
143.0	0.00	0.0	1336.9	1339.1	1.10	583.02
144.0	0.00	0.0	1334.7	1336.9	1.10	583.02
145.0	0.00	0.0	1332.5	1334.7	1.10	583.01
146.0	0.00	0.0	1330.3	1332.5	1.10	583.01
147.0	0.00	0.0	1328.1	1330.3	1.10	583.00
148.0	0.00	0.0	1325.9	1328.1	1.10	583.00
149.0	0.00	0.0	1323.7	1325.9	1.10	582.99
150.0	0.00	0.0	1321.5	1323.7	1.10	582.99
151.0	0.00	0.0	1319.3	1321.5	1.10	582.98
152.0	0.00	0.0	1317.1	1319.3	1.10	582.98
153.0	0.00	0.0	1314.9	1317.1	1.10	582.97
154.0	0.00	0.0	1312.7	1314.9	1.10	582.97
155.0	0.00	0.0	1310.5	1312.7	1.10	582.96
156.0	0.00	0.0	1308.3	1310.5	1.10	582.96
157.0	0.00	0.0	1306.1	1308.3	1.10	582.95
158.0	0.00	0.0	1303.9	1306.1	1.10	582.95
159.0	0.00	0.0	1301.7	1303.9	1.10	582.94
160.0	0.00	0.0	1299.5	1301.7	1.10	582.94
161.0	0.00	0.0	1297.3	1299.5	1.10	582.93
162.0	0.00	0.0	1295.1	1297.3	1.10	582.93
163.0	0.00	0.0	1292.9	1295.1	1.10	582.92
164.0	0.00	0.0	1290.7	1292.9	1.10	582.92
165.0	0.00	0.0	1288.5	1290.7	1.10	582.91
166.0	0.00	0.0	1286.3	1288.5	1.10	582.91
167.0	0.00	0.0	1284.1	1286.3	1.10	582.90
168.0	0.00	0.0	1281.9	1284.1	1.10	582.89
169.0	0.00	0.0	1279.7	1281.9	1.10	582.89
170.0	0.00	0.0	1277.5	1279.7	1.10	582.88
171.0	0.00	0.0	1275.3	1277.5	1.10	582.88
172.0	0.00	0.0	1273.1	1275.3	1.10	582.87
173.0	0.00	0.0	1270.9	1273.1	1.10	582.87
174.0	0.00	0.0	1268.7	1270.9	1.10	582.86
175.0	0.00	0.0	1266.5	1268.7	1.10	582.86
176.0	0.00	0.0	1264.3	1266.5	1.10	582.85
177.0	0.00	0.0	1262.1	1264.3	1.10	582.85
178.0	0.00	0.0	1259.9	1262.1	1.10	582.84
179.0	0.00	0.0	1257.7	1259.9	1.10	582.84
180.0	0.00	0.0	1255.5	1257.7	1.10	582.83
181.0	0.00	0.0	1253.3	1255.5	1.10	582.83
182.0	0.00	0.0	1251.1	1253.3	1.10	582.82

id File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1248.9	1251.1	1.10	582.82
184.0	0.00	0.0	1246.7	1248.9	1.10	582.81
185.0	0.00	0.0	1244.5	1246.7	1.10	582.81
186.0	0.00	0.0	1242.3	1244.5	1.10	582.80
187.0	0.00	0.0	1240.1	1242.3	1.10	582.80
188.0	0.00	0.0	1237.9	1240.1	1.10	582.79
189.0	0.00	0.0	1235.7	1237.9	1.10	582.78
190.0	0.00	0.0	1233.5	1235.7	1.10	582.78
191.0	0.00	0.0	1231.3	1233.5	1.10	582.77
192.0	0.00	0.0	1229.1	1231.3	1.10	582.77
193.0	0.00	0.0	1226.9	1229.1	1.10	582.76
194.0	0.00	0.0	1224.7	1226.9	1.10	582.76
195.0	0.00	0.0	1222.5	1224.7	1.10	582.75
196.0	0.00	0.0	1220.3	1222.5	1.10	582.75
197.0	0.00	0.0	1218.1	1220.3	1.10	582.74
198.0	0.00	0.0	1215.9	1218.1	1.10	582.74
199.0	0.00	0.0	1213.7	1215.9	1.10	582.73
200.0	0.00	0.0	1211.5	1213.7	1.10	582.73
201.0	0.00	0.0	1209.3	1211.5	1.10	582.72
202.0	0.00	0.0	1207.1	1209.3	1.10	582.72
203.0	0.00	0.0	1204.9	1207.1	1.10	582.71
204.0	0.00	0.0	1202.7	1204.9	1.10	582.71
205.0	0.00	0.0	1200.5	1202.7	1.10	582.70
206.0	0.00	0.0	1198.3	1200.5	1.10	582.70
207.0	0.00	0.0	1196.1	1198.3	1.10	582.69
208.0	0.00	0.0	1193.9	1196.1	1.10	582.69
209.0	0.00	0.0	1191.7	1193.9	1.10	582.68
210.0	0.00	0.0	1189.5	1191.7	1.10	582.67
211.0	0.00	0.0	1187.3	1189.5	1.10	582.67
212.0	0.00	0.0	1185.1	1187.3	1.10	582.66
213.0	0.00	0.0	1182.9	1185.1	1.10	582.66
214.0	0.00	0.0	1180.7	1182.9	1.10	582.65
215.0	0.00	0.0	1178.5	1180.7	1.10	582.65
216.0	0.00	0.0	1176.3	1178.5	1.10	582.64
217.0	0.00	0.0	1174.1	1176.3	1.10	582.64
218.0	0.00	0.0	1171.9	1174.1	1.10	582.63
219.0	0.00	0.0	1169.7	1171.9	1.10	582.63
220.0	0.00	0.0	1167.5	1169.7	1.10	582.62
221.0	0.00	0.0	1165.3	1167.5	1.10	582.62
222.0	0.00	0.0	1163.1	1165.3	1.10	582.61
223.0	0.00	0.0	1160.9	1163.1	1.10	582.61
224.0	0.00	0.0	1158.7	1160.9	1.10	582.60
225.0	0.00	0.0	1156.5	1158.7	1.10	582.60
226.0	0.00	0.0	1154.3	1156.5	1.10	582.59
227.0	0.00	0.0	1152.1	1154.3	1.10	582.59
228.0	0.00	0.0	1149.9	1152.1	1.09	582.58

id File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1147.8	1149.9	1.09	582.57
230.0	0.00	0.0	1145.6	1147.8	1.09	582.57
231.0	0.00	0.0	1143.4	1145.6	1.09	582.56
232.0	0.00	0.0	1141.2	1143.4	1.09	582.56
233.0	0.00	0.0	1139.1	1141.2	1.08	582.55
234.0	0.00	0.0	1136.9	1139.1	1.08	582.55
235.0	0.00	0.0	1134.7	1136.9	1.08	582.54
236.0	0.00	0.0	1132.6	1134.7	1.08	582.54
237.0	0.00	0.0	1130.4	1132.6	1.08	582.53
238.0	0.00	0.0	1128.3	1130.4	1.08	582.53
239.0	0.00	0.0	1126.1	1128.3	1.07	582.52
240.0	0.00	0.0	1124.0	1126.1	1.07	582.52
241.0	0.00	0.0	1121.8	1124.0	1.07	582.51
242.0	0.00	0.0	1119.7	1121.8	1.07	582.51
243.0	0.00	0.0	1117.6	1119.7	1.07	582.50
244.0	0.00	0.0	1115.4	1117.6	1.06	582.49
245.0	0.00	0.0	1113.3	1115.4	1.06	582.49
246.0	0.00	0.0	1111.2	1113.3	1.06	582.48
247.0	0.00	0.0	1109.1	1111.2	1.06	582.48
248.0	0.00	0.0	1107.0	1109.1	1.06	582.47
249.0	0.00	0.0	1104.8	1107.0	1.06	582.47
250.0	0.00	0.0	1102.7	1104.8	1.05	582.46
251.0	0.00	0.0	1100.6	1102.7	1.05	582.46
252.0	0.00	0.0	1098.5	1100.6	1.05	582.45
253.0	0.00	0.0	1096.4	1098.5	1.05	582.45
254.0	0.00	0.0	1094.3	1096.4	1.05	582.44
255.0	0.00	0.0	1092.2	1094.3	1.05	582.44
256.0	0.00	0.0	1090.2	1092.2	1.04	582.43
257.0	0.00	0.0	1088.1	1090.2	1.04	582.43
258.0	0.00	0.0	1086.0	1088.1	1.04	582.42
259.0	0.00	0.0	1083.9	1086.0	1.04	582.42
260.0	0.00	0.0	1081.8	1083.9	1.04	582.41
261.0	0.00	0.0	1079.8	1081.8	1.04	582.41
262.0	0.00	0.0	1077.7	1079.8	1.03	582.40
263.0	0.00	0.0	1075.6	1077.7	1.03	582.40
264.0	0.00	0.0	1073.6	1075.6	1.03	582.39
265.0	0.00	0.0	1071.5	1073.6	1.03	582.39
266.0	0.00	0.0	1069.5	1071.5	1.03	582.38
267.0	0.00	0.0	1067.4	1069.5	1.03	582.38
268.0	0.00	0.0	1065.4	1067.4	1.02	582.37
269.0	0.00	0.0	1063.3	1065.4	1.02	582.37
270.0	0.00	0.0	1061.3	1063.3	1.02	582.36
271.0	0.00	0.0	1059.2	1061.3	1.02	582.36
272.0	0.00	0.0	1057.2	1059.2	1.02	582.35
273.0	0.00	0.0	1055.2	1057.2	1.02	582.35
274.0	0.00	0.0	1053.1	1055.2	1.01	582.34

Input File: j:\DATA\0312269\BASIN2 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN2100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	1051.1	1053.1	1.01	582.34
276.0	0.00	0.0	1049.1	1051.1	1.01	582.33
277.0	0.00	0.0	1047.1	1049.1	1.01	582.33
278.0	0.00	0.0	1045.1	1047.1	1.01	582.32
279.0	0.00	0.0	1043.1	1045.1	1.01	582.32
280.0	0.00	0.0	1041.1	1043.1	1.00	582.31
281.0	0.00	0.0	1039.1	1041.1	1.00	582.31
282.0	0.00	0.0	1037.1	1039.1	1.00	582.30
283.0	0.00	0.0	1035.1	1037.1	1.00	582.30
284.0	0.00	0.0	1033.1	1035.1	1.00	582.29
285.0	0.00	0.0	1031.1	1033.1	1.00	582.29
286.0	0.00	0.0	1029.1	1031.1	1.00	582.28
287.0	0.00	0.0	1027.1	1029.1	1.00	582.28
288.0	0.00	0.0	1025.1	1027.1	1.00	582.27
289.0	0.00	0.0	1023.1	1025.1	1.00	582.27
290.0	0.00	0.0	1021.1	1023.1	1.00	582.26
291.0	0.00	0.0	1019.1	1021.1	1.00	582.25
292.0	0.00	0.0	1017.1	1019.1	1.00	582.25
293.0	0.00	0.0	1015.1	1017.1	1.00	582.24
294.0	0.00	0.0	1013.1	1015.1	1.00	582.24
295.0	0.00	0.0	1011.1	1013.1	1.00	582.23
296.0	0.00	0.0	1009.1	1011.1	1.00	582.23
297.0	0.00	0.0	1007.1	1009.1	1.00	582.22
298.0	0.00	0.0	1005.1	1007.1	1.00	582.22
299.0	0.00	0.0	1003.1	1005.1	1.00	582.21
300.0	0.00	0.0	1001.1	1003.1	1.00	582.21
301.0	0.00	0.0	999.1	1001.1	1.00	582.20
302.0	0.00	0.0	997.1	999.1	1.00	582.20
303.0	0.00	0.0	995.1	997.1	1.00	582.19

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2 .PND
Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN2100.HYD

Starting Pond W.S. Elevation = 577.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 48.45 cfs
Peak Outflow = 15.39 cfs
Peak Elevation = 584.00 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 53,650 cu-ft

Total Storage in Pond = 53,650 cu-ft

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2
BLOCKED LOW FLOW

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
-----	-----	-----
583.50	0.0	2
583.70	3.4	2
583.90	9.7	2
584.10	17.9	2
584.30	27.6	2
584.50	38.5	2
584.70	50.6	2
584.90	63.8	2
585.10	77.7	3
585.30	86.3	3
585.50	94.2	3
585.70	101.5	3
585.90	108.2	3
586.00	111.5	3

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2
BLOCKED LOW FLOW

Outlet Structure File: j:\DATA\0312269\BASIN2BL.STR
Planimeter Input File: j:\DATA\0312269\BASIN2 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN2BL.PND

Min. Elev.(ft) = 583.5 Max. Elev.(ft) = 586 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	2	->	2
ORIFICE	3	->	3

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN2BL.PND

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2
BLOCKED LOW FLOW

>>>>> Structure No. 2 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	583.5
E2 elev.(ft)?	585
Weir coefficient?	3.3
Weir elev.(ft)?	583.5
Length (ft)?	11.67
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #2
BLOCKED LOW FLOW

>>>>> Structure No. 3 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	585
E2 elev.(ft)?	586.001
Orifice coeff.?	.6
Invert elev.(ft)?	583.5
Datum elev.(ft) ?	584.25
Orifice area (sq ft)?	17.5

```

*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #2 *
* BLOCKED LOW FLOW *
*
*
*
*****
    
```

Inflow Hydrograph: j:\DATA\0312269\02BASN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 583.50 ft
 Outflow = 0.00 cfs
 Storage = 46,516 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
583.50	0.0	46,516	1550.5	1550.5
583.70	3.4	49,292	1643.1	1646.5
583.90	9.7	52,132	1737.7	1747.4
584.10	17.9	55,033	1834.4	1852.3
584.30	27.6	57,997	1933.2	1960.8
584.50	38.5	61,024	2034.1	2072.6
584.70	50.6	64,114	2137.1	2187.7
584.90	63.8	67,268	2242.3	2306.1
585.10	77.7	70,486	2349.5	2427.2
585.30	86.3	73,770	2459.0	2545.3
585.50	94.2	77,119	2570.6	2664.8
585.70	101.5	80,535	2684.5	2786.0
585.90	108.2	84,019	2800.6	2908.8
586.00	111.5	85,785	2859.5	2971.0

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	1550.5	1550.5	0.00	583.50
1.0	3.75	3.8	1554.0	1554.3	0.13	583.51
2.0	7.51	11.3	1564.2	1565.3	0.52	583.53
3.0	11.26	18.8	1580.7	1583.0	1.15	583.57
4.0	15.02	26.3	1603.0	1607.0	2.00	583.62
5.0	18.77	33.8	1630.7	1636.8	3.06	583.68
6.0	18.77	37.5	1658.7	1668.2	4.76	583.74
7.0	18.77	37.5	1683.2	1696.2	6.50	583.80
8.0	18.77	37.5	1704.7	1720.8	8.04	583.85
9.0	18.77	37.5	1723.5	1742.2	9.38	583.89
10.0	18.77	37.5	1739.5	1761.0	10.76	583.93
11.0	18.77	37.5	1753.0	1777.0	12.01	583.96
12.0	18.77	37.5	1764.4	1790.5	13.07	583.98
13.0	18.77	37.5	1774.0	1801.9	13.96	584.00
14.0	18.77	37.5	1782.1	1811.6	14.71	584.02
15.0	18.77	37.5	1789.0	1819.7	15.35	584.04
16.0	18.77	37.5	1794.7	1826.5	15.88	584.05
17.0	18.77	37.5	1799.6	1832.3	16.33	584.06
18.0	18.77	37.5	1803.7	1837.2	16.71	584.07
19.0	18.77	37.5	1807.2	1841.3	17.04	584.08
20.0	18.77	37.5	1810.1	1844.7	17.31	584.09
21.0	15.02	33.8	1809.4	1843.9	17.24	584.08
22.0	11.26	26.3	1802.5	1835.7	16.60	584.07
23.0	7.51	18.8	1790.3	1821.3	15.47	584.04
24.0	3.75	11.3	1773.7	1801.6	13.93	584.00
25.0	0.00	3.8	1753.4	1777.5	12.05	583.96
26.0	0.00	0.0	1733.0	1753.4	10.17	583.91
27.0	0.00	0.0	1715.4	1733.0	8.80	583.87
28.0	0.00	0.0	1700.0	1715.4	7.70	583.84
29.0	0.00	0.0	1686.5	1700.0	6.74	583.81
30.0	0.00	0.0	1674.7	1686.5	5.90	583.78
31.0	0.00	0.0	1664.4	1674.7	5.16	583.76
32.0	0.00	0.0	1655.4	1664.4	4.52	583.74
33.0	0.00	0.0	1647.5	1655.4	3.96	583.72
34.0	0.00	0.0	1640.5	1647.5	3.46	583.70
35.0	0.00	0.0	1634.2	1640.5	3.19	583.69
36.0	0.00	0.0	1628.2	1634.2	2.96	583.67
37.0	0.00	0.0	1622.7	1628.2	2.75	583.66
38.0	0.00	0.0	1617.6	1622.7	2.56	583.65
39.0	0.00	0.0	1612.9	1617.6	2.38	583.64
40.0	0.00	0.0	1608.4	1612.9	2.21	583.63
41.0	0.00	0.0	1604.3	1608.4	2.05	583.62
42.0	0.00	0.0	1600.5	1604.3	1.91	583.61
43.0	0.00	0.0	1597.0	1600.5	1.77	583.60
44.0	0.00	0.0	1593.7	1597.0	1.65	583.60

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1590.6	1593.7	1.53	583.59
46.0	0.00	0.0	1587.8	1590.6	1.42	583.58
47.0	0.00	0.0	1585.1	1587.8	1.32	583.58
48.0	0.00	0.0	1582.7	1585.1	1.23	583.57
49.0	0.00	0.0	1580.4	1582.7	1.14	583.57
50.0	0.00	0.0	1578.3	1580.4	1.06	583.56
51.0	0.00	0.0	1576.3	1578.3	0.98	583.56
52.0	0.00	0.0	1574.5	1576.3	0.91	583.55
53.0	0.00	0.0	1572.8	1574.5	0.85	583.55
54.0	0.00	0.0	1571.2	1572.8	0.79	583.55
55.0	0.00	0.0	1569.8	1571.2	0.73	583.54
56.0	0.00	0.0	1568.4	1569.8	0.68	583.54
57.0	0.00	0.0	1567.1	1568.4	0.63	583.54
58.0	0.00	0.0	1566.0	1567.1	0.59	583.53
59.0	0.00	0.0	1564.9	1566.0	0.55	583.53
60.0	0.00	0.0	1563.8	1564.9	0.51	583.53
61.0	0.00	0.0	1562.9	1563.8	0.47	583.53
62.0	0.00	0.0	1562.0	1562.9	0.44	583.53
63.0	0.00	0.0	1561.2	1562.0	0.41	583.52
64.0	0.00	0.0	1560.5	1561.2	0.38	583.52
65.0	0.00	0.0	1559.7	1560.5	0.35	583.52
66.0	0.00	0.0	1559.1	1559.7	0.33	583.52
67.0	0.00	0.0	1558.5	1559.1	0.30	583.52
68.0	0.00	0.0	1557.9	1558.5	0.28	583.52
69.0	0.00	0.0	1557.4	1557.9	0.26	583.52
70.0	0.00	0.0	1556.9	1557.4	0.24	583.51
71.0	0.00	0.0	1556.5	1556.9	0.23	583.51
72.0	0.00	0.0	1556.0	1556.5	0.21	583.51
73.0	0.00	0.0	1555.6	1556.0	0.20	583.51
74.0	0.00	0.0	1555.3	1555.6	0.18	583.51
75.0	0.00	0.0	1554.9	1555.3	0.17	583.51
76.0	0.00	0.0	1554.6	1554.9	0.16	583.51
77.0	0.00	0.0	1554.3	1554.6	0.15	583.51
78.0	0.00	0.0	1554.1	1554.3	0.14	583.51
79.0	0.00	0.0	1553.8	1554.1	0.13	583.51
80.0	0.00	0.0	1553.6	1553.8	0.12	583.51
81.0	0.00	0.0	1553.4	1553.6	0.11	583.51
82.0	0.00	0.0	1553.2	1553.4	0.10	583.51
83.0	0.00	0.0	1553.0	1553.2	0.09	583.51
84.0	0.00	0.0	1552.8	1553.0	0.09	583.51
85.0	0.00	0.0	1552.6	1552.8	0.08	583.50
86.0	0.00	0.0	1552.5	1552.6	0.08	583.50
87.0	0.00	0.0	1552.4	1552.5	0.07	583.50
88.0	0.00	0.0	1552.2	1552.4	0.06	583.50
89.0	0.00	0.0	1552.1	1552.2	0.06	583.50
90.0	0.00	0.0	1552.0	1552.1	0.06	583.50

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1551.9	1552.0	0.05	583.50
92.0	0.00	0.0	1551.8	1551.9	0.05	583.50
93.0	0.00	0.0	1551.7	1551.8	0.04	583.50
94.0	0.00	0.0	1551.6	1551.7	0.04	583.50
95.0	0.00	0.0	1551.5	1551.6	0.04	583.50
96.0	0.00	0.0	1551.5	1551.5	0.04	583.50
97.0	0.00	0.0	1551.4	1551.5	0.03	583.50
98.0	0.00	0.0	1551.3	1551.4	0.03	583.50
99.0	0.00	0.0	1551.3	1551.3	0.03	583.50
100.0	0.00	0.0	1551.2	1551.3	0.03	583.50
101.0	0.00	0.0	1551.2	1551.2	0.02	583.50
102.0	0.00	0.0	1551.1	1551.2	0.02	583.50
103.0	0.00	0.0	1551.1	1551.1	0.02	583.50
104.0	0.00	0.0	1551.1	1551.1	0.02	583.50
105.0	0.00	0.0	1551.0	1551.1	0.02	583.50
106.0	0.00	0.0	1551.0	1551.0	0.02	583.50
107.0	0.00	0.0	1551.0	1551.0	0.02	583.50
108.0	0.00	0.0	1550.9	1551.0	0.01	583.50
109.0	0.00	0.0	1550.9	1550.9	0.01	583.50
110.0	0.00	0.0	1550.9	1550.9	0.01	583.50
111.0	0.00	0.0	1550.8	1550.9	0.01	583.50
112.0	0.00	0.0	1550.8	1550.8	0.01	583.50
113.0	0.00	0.0	1550.8	1550.8	0.01	583.50
114.0	0.00	0.0	1550.8	1550.8	0.01	583.50
115.0	0.00	0.0	1550.8	1550.8	0.01	583.50
116.0	0.00	0.0	1550.7	1550.8	0.01	583.50
117.0	0.00	0.0	1550.7	1550.7	0.01	583.50
118.0	0.00	0.0	1550.7	1550.7	0.01	583.50
119.0	0.00	0.0	1550.7	1550.7	0.01	583.50
120.0	0.00	0.0	1550.7	1550.7	0.01	583.50
121.0	0.00	0.0	1550.7	1550.7	0.01	583.50
122.0	0.00	0.0	1550.7	1550.7	0.01	583.50
123.0	0.00	0.0	1550.7	1550.7	0.00	583.50
124.0	0.00	0.0	1550.7	1550.7	0.00	583.50
125.0	0.00	0.0	1550.6	1550.7	0.00	583.50
126.0	0.00	0.0	1550.6	1550.6	0.00	583.50
127.0	0.00	0.0	1550.6	1550.6	0.00	583.50
128.0	0.00	0.0	1550.6	1550.6	0.00	583.50
129.0	0.00	0.0	1550.6	1550.6	0.00	583.50
130.0	0.00	0.0	1550.6	1550.6	0.00	583.50
131.0	0.00	0.0	1550.6	1550.6	0.00	583.50
132.0	0.00	0.0	1550.6	1550.6	0.00	583.50
133.0	0.00	0.0	1550.6	1550.6	0.00	583.50
134.0	0.00	0.0	1550.6	1550.6	0.00	583.50
135.0	0.00	0.0	1550.6	1550.6	0.00	583.50
136.0	0.00	0.0	1550.6	1550.6	0.00	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1550.6	1550.6	0.00	583.50
138.0	0.00	0.0	1550.6	1550.6	0.00	583.50
139.0	0.00	0.0	1550.6	1550.6	0.00	583.50
140.0	0.00	0.0	1550.6	1550.6	0.00	583.50
141.0	0.00	0.0	1550.6	1550.6	0.00	583.50
142.0	0.00	0.0	1550.6	1550.6	0.00	583.50
143.0	0.00	0.0	1550.6	1550.6	0.00	583.50
144.0	0.00	0.0	1550.6	1550.6	0.00	583.50
145.0	0.00	0.0	1550.6	1550.6	0.00	583.50
146.0	0.00	0.0	1550.6	1550.6	0.00	583.50
147.0	0.00	0.0	1550.6	1550.6	0.00	583.50
148.0	0.00	0.0	1550.6	1550.6	0.00	583.50
149.0	0.00	0.0	1550.5	1550.6	0.00	583.50
150.0	0.00	0.0	1550.5	1550.5	0.00	583.50
151.0	0.00	0.0	1550.5	1550.5	0.00	583.50
152.0	0.00	0.0	1550.5	1550.5	0.00	583.50
153.0	0.00	0.0	1550.5	1550.5	0.00	583.50
154.0	0.00	0.0	1550.5	1550.5	0.00	583.50
155.0	0.00	0.0	1550.5	1550.5	0.00	583.50
156.0	0.00	0.0	1550.5	1550.5	0.00	583.50
157.0	0.00	0.0	1550.5	1550.5	0.00	583.50
158.0	0.00	0.0	1550.5	1550.5	0.00	583.50
159.0	0.00	0.0	1550.5	1550.5	0.00	583.50
160.0	0.00	0.0	1550.5	1550.5	0.00	583.50
161.0	0.00	0.0	1550.5	1550.5	0.00	583.50
162.0	0.00	0.0	1550.5	1550.5	0.00	583.50
163.0	0.00	0.0	1550.5	1550.5	0.00	583.50
164.0	0.00	0.0	1550.5	1550.5	0.00	583.50
165.0	0.00	0.0	1550.5	1550.5	0.00	583.50
166.0	0.00	0.0	1550.5	1550.5	0.00	583.50
167.0	0.00	0.0	1550.5	1550.5	0.00	583.50
168.0	0.00	0.0	1550.5	1550.5	0.00	583.50
169.0	0.00	0.0	1550.5	1550.5	0.00	583.50
170.0	0.00	0.0	1550.5	1550.5	0.00	583.50
171.0	0.00	0.0	1550.5	1550.5	0.00	583.50
172.0	0.00	0.0	1550.5	1550.5	0.00	583.50
173.0	0.00	0.0	1550.5	1550.5	0.00	583.50
174.0	0.00	0.0	1550.5	1550.5	0.00	583.50
175.0	0.00	0.0	1550.5	1550.5	0.00	583.50
176.0	0.00	0.0	1550.5	1550.5	0.00	583.50
177.0	0.00	0.0	1550.5	1550.5	0.00	583.50
178.0	0.00	0.0	1550.5	1550.5	0.00	583.50
179.0	0.00	0.0	1550.5	1550.5	0.00	583.50
180.0	0.00	0.0	1550.5	1550.5	0.00	583.50
181.0	0.00	0.0	1550.5	1550.5	0.00	583.50
182.0	0.00	0.0	1550.5	1550.5	0.00	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1550.5	1550.5	0.00	583.50
184.0	0.00	0.0	1550.5	1550.5	0.00	583.50
185.0	0.00	0.0	1550.5	1550.5	0.00	583.50
186.0	0.00	0.0	1550.5	1550.5	0.00	583.50
187.0	0.00	0.0	1550.5	1550.5	0.00	583.50
188.0	0.00	0.0	1550.5	1550.5	0.00	583.50
189.0	0.00	0.0	1550.5	1550.5	0.00	583.50
190.0	0.00	0.0	1550.5	1550.5	0.00	583.50
191.0	0.00	0.0	1550.5	1550.5	0.00	583.50
192.0	0.00	0.0	1550.5	1550.5	0.00	583.50
193.0	0.00	0.0	1550.5	1550.5	0.00	583.50
194.0	0.00	0.0	1550.5	1550.5	0.00	583.50
195.0	0.00	0.0	1550.5	1550.5	0.00	583.50
196.0	0.00	0.0	1550.5	1550.5	0.00	583.50
197.0	0.00	0.0	1550.5	1550.5	0.00	583.50
198.0	0.00	0.0	1550.5	1550.5	0.00	583.50
199.0	0.00	0.0	1550.5	1550.5	0.00	583.50
200.0	0.00	0.0	1550.5	1550.5	0.00	583.50
201.0	0.00	0.0	1550.5	1550.5	0.00	583.50
202.0	0.00	0.0	1550.5	1550.5	0.00	583.50
203.0	0.00	0.0	1550.5	1550.5	0.00	583.50
204.0	0.00	0.0	1550.5	1550.5	0.00	583.50
205.0	0.00	0.0	1550.5	1550.5	0.00	583.50
206.0	0.00	0.0	1550.5	1550.5	0.00	583.50
207.0	0.00	0.0	1550.5	1550.5	0.00	583.50
208.0	0.00	0.0	1550.5	1550.5	0.00	583.50
209.0	0.00	0.0	1550.5	1550.5	0.00	583.50
210.0	0.00	0.0	1550.5	1550.5	0.00	583.50
211.0	0.00	0.0	1550.5	1550.5	0.00	583.50
212.0	0.00	0.0	1550.5	1550.5	0.00	583.50
213.0	0.00	0.0	1550.5	1550.5	0.00	583.50
214.0	0.00	0.0	1550.5	1550.5	0.00	583.50
215.0	0.00	0.0	1550.5	1550.5	0.00	583.50
216.0	0.00	0.0	1550.5	1550.5	0.00	583.50
217.0	0.00	0.0	1550.5	1550.5	0.00	583.50
218.0	0.00	0.0	1550.5	1550.5	0.00	583.50
219.0	0.00	0.0	1550.5	1550.5	0.00	583.50
220.0	0.00	0.0	1550.5	1550.5	0.00	583.50
221.0	0.00	0.0	1550.5	1550.5	0.00	583.50
222.0	0.00	0.0	1550.5	1550.5	0.00	583.50
223.0	0.00	0.0	1550.5	1550.5	0.00	583.50
224.0	0.00	0.0	1550.5	1550.5	0.00	583.50
225.0	0.00	0.0	1550.5	1550.5	0.00	583.50
226.0	0.00	0.0	1550.5	1550.5	0.00	583.50
227.0	0.00	0.0	1550.5	1550.5	0.00	583.50
228.0	0.00	0.0	1550.5	1550.5	0.00	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1550.5	1550.5	0.00	583.50
230.0	0.00	0.0	1550.5	1550.5	0.00	583.50
231.0	0.00	0.0	1550.5	1550.5	0.00	583.50
232.0	0.00	0.0	1550.5	1550.5	0.00	583.50
233.0	0.00	0.0	1550.5	1550.5	0.00	583.50
234.0	0.00	0.0	1550.5	1550.5	0.00	583.50
235.0	0.00	0.0	1550.5	1550.5	0.00	583.50
236.0	0.00	0.0	1550.5	1550.5	0.00	583.50
237.0	0.00	0.0	1550.5	1550.5	0.00	583.50
238.0	0.00	0.0	1550.5	1550.5	0.00	583.50
239.0	0.00	0.0	1550.5	1550.5	0.00	583.50
240.0	0.00	0.0	1550.5	1550.5	0.00	583.50
241.0	0.00	0.0	1550.5	1550.5	0.00	583.50
242.0	0.00	0.0	1550.5	1550.5	0.00	583.50
243.0	0.00	0.0	1550.5	1550.5	0.00	583.50
244.0	0.00	0.0	1550.5	1550.5	0.00	583.50
245.0	0.00	0.0	1550.5	1550.5	0.00	583.50
246.0	0.00	0.0	1550.5	1550.5	0.00	583.50
247.0	0.00	0.0	1550.5	1550.5	0.00	583.50
248.0	0.00	0.0	1550.5	1550.5	0.00	583.50
249.0	0.00	0.0	1550.5	1550.5	0.00	583.50
250.0	0.00	0.0	1550.5	1550.5	0.00	583.50
251.0	0.00	0.0	1550.5	1550.5	0.00	583.50
252.0	0.00	0.0	1550.5	1550.5	0.00	583.50
253.0	0.00	0.0	1550.5	1550.5	0.00	583.50
254.0	0.00	0.0	1550.5	1550.5	0.00	583.50
255.0	0.00	0.0	1550.5	1550.5	0.00	583.50
256.0	0.00	0.0	1550.5	1550.5	0.00	583.50
257.0	0.00	0.0	1550.5	1550.5	0.00	583.50
258.0	0.00	0.0	1550.5	1550.5	0.00	583.50
259.0	0.00	0.0	1550.5	1550.5	0.00	583.50
260.0	0.00	0.0	1550.5	1550.5	0.00	583.50
261.0	0.00	0.0	1550.5	1550.5	0.00	583.50
262.0	0.00	0.0	1550.5	1550.5	0.00	583.50
263.0	0.00	0.0	1550.5	1550.5	0.00	583.50
264.0	0.00	0.0	1550.5	1550.5	0.00	583.50
265.0	0.00	0.0	1550.5	1550.5	0.00	583.50
266.0	0.00	0.0	1550.5	1550.5	0.00	583.50
267.0	0.00	0.0	1550.5	1550.5	0.00	583.50
268.0	0.00	0.0	1550.5	1550.5	0.00	583.50
269.0	0.00	0.0	1550.5	1550.5	0.00	583.50
270.0	0.00	0.0	1550.5	1550.5	0.00	583.50
271.0	0.00	0.0	1550.5	1550.5	0.00	583.50
272.0	0.00	0.0	1550.5	1550.5	0.00	583.50
273.0	0.00	0.0	1550.5	1550.5	0.00	583.50
274.0	0.00	0.0	1550.5	1550.5	0.00	583.50

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA202BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	1550.5	1550.5	0.00	583.50
276.0	0.00	0.0	1550.5	1550.5	0.00	583.50
277.0	0.00	0.0	1550.5	1550.5	0.00	583.50
278.0	0.00	0.0	1550.5	1550.5	0.00	583.50
279.0	0.00	0.0	1550.5	1550.5	0.00	583.50
280.0	0.00	0.0	1550.5	1550.5	0.00	583.50
281.0	0.00	0.0	1550.5	1550.5	0.00	583.50
282.0	0.00	0.0	1550.5	1550.5	0.00	583.50
283.0	0.00	0.0	1550.5	1550.5	0.00	583.50
284.0	0.00	0.0	1550.5	1550.5	0.00	583.50
285.0	0.00	0.0	1550.5	1550.5	0.00	583.50
286.0	0.00	0.0	1550.5	1550.5	0.00	583.50
287.0	0.00	0.0	1550.5	1550.5	0.00	583.50
288.0	0.00	0.0	1550.5	1550.5	0.00	583.50
289.0	0.00	0.0	1550.5	1550.5	0.00	583.50
290.0	0.00	0.0	1550.5	1550.5	0.00	583.50
291.0	0.00	0.0	1550.5	1550.5	0.00	583.50
292.0	0.00	0.0	1550.5	1550.5	0.00	583.50
293.0	0.00	0.0	1550.5	1550.5	0.00	583.50
294.0	0.00	0.0	1550.5	1550.5	0.00	583.50
295.0	0.00	0.0	1550.5	1550.5	0.00	583.50
296.0	0.00	0.0	1550.5	1550.5	0.00	583.50
297.0	0.00	0.0	1550.5	1550.5	0.00	583.50
298.0	0.00	0.0	1550.5	1550.5	0.00	583.50
299.0	0.00	0.0	1550.5	1550.5	0.00	583.50
300.0	0.00	0.0	1550.5	1550.5	0.00	583.50
301.0	0.00	0.0	1550.5	1550.5	0.00	583.50
302.0	0.00	0.0	1550.5	1550.5	0.00	583.50
303.0	0.00	0.0	1550.5	1550.5	0.00	583.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2BL.PND
Inflow Hydrograph: j:\DATA\0312269\02BASN2 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA202BL .HYD

Starting Pond W.S. Elevation = 583.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 18.77 cfs
Peak Outflow = 17.31 cfs
Peak Elevation = 584.09 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 46,516 cu-ft
Peak Storage From Storm = 8,307 cu-ft

Total Storage in Pond = 54,823 cu-ft

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*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #2 *
* BLOCKED LOW FLOW *
*
*
*
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Inflow Hydrograph: j:\DATA\0312269\15BASN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 583.50 ft
 Outflow = 0.00 cfs
 Storage = 46,516 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
583.50	0.0	46,516	1550.5	1550.5
583.70	3.4	49,292	1643.1	1646.5
583.90	9.7	52,132	1737.7	1747.4
584.10	17.9	55,033	1834.4	1852.3
584.30	27.6	57,997	1933.2	1960.8
584.50	38.5	61,024	2034.1	2072.6
584.70	50.6	64,114	2137.1	2187.7
584.90	63.8	67,268	2242.3	2306.1
585.10	77.7	70,486	2349.5	2427.2
585.30	86.3	73,770	2459.0	2545.3
585.50	94.2	77,119	2570.6	2664.8
585.70	101.5	80,535	2684.5	2786.0
585.90	108.2	84,019	2800.6	2908.8
586.00	111.5	85,785	2859.5	2971.0

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	1550.5	1550.5	0.00	583.50
1.0	6.12	6.1	1556.2	1556.6	0.22	583.51
2.0	12.24	18.4	1572.9	1574.6	0.85	583.55
3.0	18.36	30.6	1599.7	1603.5	1.88	583.61
4.0	24.48	42.8	1636.0	1642.6	3.26	583.69
5.0	30.60	55.1	1678.7	1691.1	6.19	583.79
6.0	30.60	61.2	1721.5	1739.9	9.23	583.89
7.0	30.60	61.2	1757.8	1782.7	12.46	583.97
8.0	30.60	61.2	1788.4	1819.0	15.29	584.04
9.0	30.60	61.2	1814.2	1849.6	17.69	584.09
10.0	30.60	61.2	1835.5	1875.4	19.96	584.14
11.0	30.60	61.2	1853.0	1896.7	21.87	584.18
12.0	30.60	61.2	1867.3	1914.2	23.43	584.21
13.0	30.60	61.2	1879.1	1928.5	24.71	584.24
14.0	30.60	61.2	1888.8	1940.3	25.76	584.26
15.0	30.60	61.2	1896.7	1950.0	26.63	584.28
16.0	30.60	61.2	1903.2	1957.9	27.34	584.29
17.0	30.60	61.2	1908.5	1964.4	27.95	584.31
18.0	30.60	61.2	1912.8	1969.7	28.47	584.32
19.0	30.60	61.2	1916.2	1974.0	28.88	584.32
20.0	30.60	61.2	1919.0	1977.4	29.22	584.33
21.0	24.48	55.1	1916.3	1974.1	28.89	584.32
22.0	18.36	42.8	1904.2	1959.1	27.45	584.30
23.0	12.24	30.6	1884.3	1934.8	25.28	584.25
24.0	6.12	18.4	1857.8	1902.6	22.40	584.19
25.0	0.00	6.1	1826.1	1864.0	18.94	584.12
26.0	0.00	0.0	1794.4	1826.1	15.85	584.05
27.0	0.00	0.0	1767.6	1794.4	13.37	583.99
28.0	0.00	0.0	1745.1	1767.6	11.28	583.94
29.0	0.00	0.0	1726.0	1745.1	9.55	583.90
30.0	0.00	0.0	1709.3	1726.0	8.36	583.86
31.0	0.00	0.0	1694.6	1709.3	7.32	583.82
32.0	0.00	0.0	1681.8	1694.6	6.40	583.80
33.0	0.00	0.0	1670.6	1681.8	5.60	583.77
34.0	0.00	0.0	1660.8	1670.6	4.91	583.75
35.0	0.00	0.0	1652.2	1660.8	4.29	583.73
36.0	0.00	0.0	1644.7	1652.2	3.76	583.71
37.0	0.00	0.0	1638.0	1644.7	3.34	583.70
38.0	0.00	0.0	1631.8	1638.0	3.10	583.68
39.0	0.00	0.0	1626.1	1631.8	2.88	583.67
40.0	0.00	0.0	1620.7	1626.1	2.68	583.66
41.0	0.00	0.0	1615.7	1620.7	2.49	583.65
42.0	0.00	0.0	1611.1	1615.7	2.31	583.64
43.0	0.00	0.0	1606.8	1611.1	2.15	583.63
44.0	0.00	0.0	1602.8	1606.8	1.99	583.62

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1599.1	1602.8	1.85	583.61
46.0	0.00	0.0	1595.7	1599.1	1.72	583.60
47.0	0.00	0.0	1592.5	1595.7	1.60	583.59
48.0	0.00	0.0	1589.5	1592.5	1.49	583.59
49.0	0.00	0.0	1586.7	1589.5	1.38	583.58
50.0	0.00	0.0	1584.2	1586.7	1.28	583.58
51.0	0.00	0.0	1581.8	1584.2	1.19	583.57
52.0	0.00	0.0	1579.6	1581.8	1.11	583.57
53.0	0.00	0.0	1577.5	1579.6	1.03	583.56
54.0	0.00	0.0	1575.6	1577.5	0.96	583.56
55.0	0.00	0.0	1573.8	1575.6	0.89	583.55
56.0	0.00	0.0	1572.2	1573.8	0.83	583.55
57.0	0.00	0.0	1570.6	1572.2	0.77	583.55
58.0	0.00	0.0	1569.2	1570.6	0.71	583.54
59.0	0.00	0.0	1567.9	1569.2	0.66	583.54
60.0	0.00	0.0	1566.7	1567.9	0.62	583.54
61.0	0.00	0.0	1565.5	1566.7	0.57	583.53
62.0	0.00	0.0	1564.5	1565.5	0.53	583.53
63.0	0.00	0.0	1563.5	1564.5	0.49	583.53
64.0	0.00	0.0	1562.6	1563.5	0.46	583.53
65.0	0.00	0.0	1561.7	1562.6	0.43	583.53
66.0	0.00	0.0	1560.9	1561.7	0.40	583.52
67.0	0.00	0.0	1560.2	1560.9	0.37	583.52
68.0	0.00	0.0	1559.5	1560.2	0.34	583.52
69.0	0.00	0.0	1558.9	1559.5	0.32	583.52
70.0	0.00	0.0	1558.3	1558.9	0.29	583.52
71.0	0.00	0.0	1557.7	1558.3	0.27	583.52
72.0	0.00	0.0	1557.2	1557.7	0.25	583.51
73.0	0.00	0.0	1556.7	1557.2	0.24	583.51
74.0	0.00	0.0	1556.3	1556.7	0.22	583.51
75.0	0.00	0.0	1555.9	1556.3	0.20	583.51
76.0	0.00	0.0	1555.5	1555.9	0.19	583.51
77.0	0.00	0.0	1555.2	1555.5	0.18	583.51
78.0	0.00	0.0	1554.8	1555.2	0.16	583.51
79.0	0.00	0.0	1554.5	1554.8	0.15	583.51
80.0	0.00	0.0	1554.2	1554.5	0.14	583.51
81.0	0.00	0.0	1554.0	1554.2	0.13	583.51
82.0	0.00	0.0	1553.7	1554.0	0.12	583.51
83.0	0.00	0.0	1553.5	1553.7	0.11	583.51
84.0	0.00	0.0	1553.3	1553.5	0.11	583.51
85.0	0.00	0.0	1553.1	1553.3	0.10	583.51
86.0	0.00	0.0	1552.9	1553.1	0.09	583.51
87.0	0.00	0.0	1552.7	1552.9	0.08	583.50
88.0	0.00	0.0	1552.6	1552.7	0.08	583.50
89.0	0.00	0.0	1552.4	1552.6	0.07	583.50
90.0	0.00	0.0	1552.3	1552.4	0.07	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1552.2	1552.3	0.06	583.50
92.0	0.00	0.0	1552.1	1552.2	0.06	583.50
93.0	0.00	0.0	1552.0	1552.1	0.05	583.50
94.0	0.00	0.0	1551.9	1552.0	0.05	583.50
95.0	0.00	0.0	1551.8	1551.9	0.05	583.50
96.0	0.00	0.0	1551.7	1551.8	0.04	583.50
97.0	0.00	0.0	1551.6	1551.7	0.04	583.50
98.0	0.00	0.0	1551.5	1551.6	0.04	583.50
99.0	0.00	0.0	1551.4	1551.5	0.03	583.50
100.0	0.00	0.0	1551.4	1551.4	0.03	583.50
101.0	0.00	0.0	1551.3	1551.4	0.03	583.50
102.0	0.00	0.0	1551.3	1551.3	0.03	583.50
103.0	0.00	0.0	1551.2	1551.3	0.03	583.50
104.0	0.00	0.0	1551.2	1551.2	0.02	583.50
105.0	0.00	0.0	1551.1	1551.2	0.02	583.50
106.0	0.00	0.0	1551.1	1551.1	0.02	583.50
107.0	0.00	0.0	1551.0	1551.1	0.02	583.50
108.0	0.00	0.0	1551.0	1551.0	0.02	583.50
109.0	0.00	0.0	1551.0	1551.0	0.02	583.50
110.0	0.00	0.0	1550.9	1551.0	0.02	583.50
111.0	0.00	0.0	1550.9	1550.9	0.01	583.50
112.0	0.00	0.0	1550.9	1550.9	0.01	583.50
113.0	0.00	0.0	1550.9	1550.9	0.01	583.50
114.0	0.00	0.0	1550.8	1550.9	0.01	583.50
115.0	0.00	0.0	1550.8	1550.8	0.01	583.50
116.0	0.00	0.0	1550.8	1550.8	0.01	583.50
117.0	0.00	0.0	1550.8	1550.8	0.01	583.50
118.0	0.00	0.0	1550.8	1550.8	0.01	583.50
119.0	0.00	0.0	1550.7	1550.8	0.01	583.50
120.0	0.00	0.0	1550.7	1550.7	0.01	583.50
121.0	0.00	0.0	1550.7	1550.7	0.01	583.50
122.0	0.00	0.0	1550.7	1550.7	0.01	583.50
123.0	0.00	0.0	1550.7	1550.7	0.01	583.50
124.0	0.00	0.0	1550.7	1550.7	0.01	583.50
125.0	0.00	0.0	1550.7	1550.7	0.01	583.50
126.0	0.00	0.0	1550.7	1550.7	0.00	583.50
127.0	0.00	0.0	1550.6	1550.7	0.00	583.50
128.0	0.00	0.0	1550.6	1550.6	0.00	583.50
129.0	0.00	0.0	1550.6	1550.6	0.00	583.50
130.0	0.00	0.0	1550.6	1550.6	0.00	583.50
131.0	0.00	0.0	1550.6	1550.6	0.00	583.50
132.0	0.00	0.0	1550.6	1550.6	0.00	583.50
133.0	0.00	0.0	1550.6	1550.6	0.00	583.50
134.0	0.00	0.0	1550.6	1550.6	0.00	583.50
135.0	0.00	0.0	1550.6	1550.6	0.00	583.50
136.0	0.00	0.0	1550.6	1550.6	0.00	583.50

id File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1550.6	1550.6	0.00	583.50
138.0	0.00	0.0	1550.6	1550.6	0.00	583.50
139.0	0.00	0.0	1550.6	1550.6	0.00	583.50
140.0	0.00	0.0	1550.6	1550.6	0.00	583.50
141.0	0.00	0.0	1550.6	1550.6	0.00	583.50
142.0	0.00	0.0	1550.6	1550.6	0.00	583.50
143.0	0.00	0.0	1550.6	1550.6	0.00	583.50
144.0	0.00	0.0	1550.6	1550.6	0.00	583.50
145.0	0.00	0.0	1550.6	1550.6	0.00	583.50
146.0	0.00	0.0	1550.6	1550.6	0.00	583.50
147.0	0.00	0.0	1550.6	1550.6	0.00	583.50
148.0	0.00	0.0	1550.6	1550.6	0.00	583.50
149.0	0.00	0.0	1550.6	1550.6	0.00	583.50
150.0	0.00	0.0	1550.6	1550.6	0.00	583.50
151.0	0.00	0.0	1550.5	1550.6	0.00	583.50
152.0	0.00	0.0	1550.5	1550.5	0.00	583.50
153.0	0.00	0.0	1550.5	1550.5	0.00	583.50
154.0	0.00	0.0	1550.5	1550.5	0.00	583.50
155.0	0.00	0.0	1550.5	1550.5	0.00	583.50
156.0	0.00	0.0	1550.5	1550.5	0.00	583.50
157.0	0.00	0.0	1550.5	1550.5	0.00	583.50
158.0	0.00	0.0	1550.5	1550.5	0.00	583.50
159.0	0.00	0.0	1550.5	1550.5	0.00	583.50
160.0	0.00	0.0	1550.5	1550.5	0.00	583.50
161.0	0.00	0.0	1550.5	1550.5	0.00	583.50
162.0	0.00	0.0	1550.5	1550.5	0.00	583.50
163.0	0.00	0.0	1550.5	1550.5	0.00	583.50
164.0	0.00	0.0	1550.5	1550.5	0.00	583.50
165.0	0.00	0.0	1550.5	1550.5	0.00	583.50
166.0	0.00	0.0	1550.5	1550.5	0.00	583.50
167.0	0.00	0.0	1550.5	1550.5	0.00	583.50
168.0	0.00	0.0	1550.5	1550.5	0.00	583.50
169.0	0.00	0.0	1550.5	1550.5	0.00	583.50
170.0	0.00	0.0	1550.5	1550.5	0.00	583.50
171.0	0.00	0.0	1550.5	1550.5	0.00	583.50
172.0	0.00	0.0	1550.5	1550.5	0.00	583.50
173.0	0.00	0.0	1550.5	1550.5	0.00	583.50
174.0	0.00	0.0	1550.5	1550.5	0.00	583.50
175.0	0.00	0.0	1550.5	1550.5	0.00	583.50
176.0	0.00	0.0	1550.5	1550.5	0.00	583.50
177.0	0.00	0.0	1550.5	1550.5	0.00	583.50
178.0	0.00	0.0	1550.5	1550.5	0.00	583.50
179.0	0.00	0.0	1550.5	1550.5	0.00	583.50
180.0	0.00	0.0	1550.5	1550.5	0.00	583.50
181.0	0.00	0.0	1550.5	1550.5	0.00	583.50
182.0	0.00	0.0	1550.5	1550.5	0.00	583.50

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1550.5	1550.5	0.00	583.50
184.0	0.00	0.0	1550.5	1550.5	0.00	583.50
185.0	0.00	0.0	1550.5	1550.5	0.00	583.50
186.0	0.00	0.0	1550.5	1550.5	0.00	583.50
187.0	0.00	0.0	1550.5	1550.5	0.00	583.50
188.0	0.00	0.0	1550.5	1550.5	0.00	583.50
189.0	0.00	0.0	1550.5	1550.5	0.00	583.50
190.0	0.00	0.0	1550.5	1550.5	0.00	583.50
191.0	0.00	0.0	1550.5	1550.5	0.00	583.50
192.0	0.00	0.0	1550.5	1550.5	0.00	583.50
193.0	0.00	0.0	1550.5	1550.5	0.00	583.50
194.0	0.00	0.0	1550.5	1550.5	0.00	583.50
195.0	0.00	0.0	1550.5	1550.5	0.00	583.50
196.0	0.00	0.0	1550.5	1550.5	0.00	583.50
197.0	0.00	0.0	1550.5	1550.5	0.00	583.50
198.0	0.00	0.0	1550.5	1550.5	0.00	583.50
199.0	0.00	0.0	1550.5	1550.5	0.00	583.50
200.0	0.00	0.0	1550.5	1550.5	0.00	583.50
201.0	0.00	0.0	1550.5	1550.5	0.00	583.50
202.0	0.00	0.0	1550.5	1550.5	0.00	583.50
203.0	0.00	0.0	1550.5	1550.5	0.00	583.50
204.0	0.00	0.0	1550.5	1550.5	0.00	583.50
205.0	0.00	0.0	1550.5	1550.5	0.00	583.50
206.0	0.00	0.0	1550.5	1550.5	0.00	583.50
207.0	0.00	0.0	1550.5	1550.5	0.00	583.50
208.0	0.00	0.0	1550.5	1550.5	0.00	583.50
209.0	0.00	0.0	1550.5	1550.5	0.00	583.50
210.0	0.00	0.0	1550.5	1550.5	0.00	583.50
211.0	0.00	0.0	1550.5	1550.5	0.00	583.50
212.0	0.00	0.0	1550.5	1550.5	0.00	583.50
213.0	0.00	0.0	1550.5	1550.5	0.00	583.50
214.0	0.00	0.0	1550.5	1550.5	0.00	583.50
215.0	0.00	0.0	1550.5	1550.5	0.00	583.50
216.0	0.00	0.0	1550.5	1550.5	0.00	583.50
217.0	0.00	0.0	1550.5	1550.5	0.00	583.50
218.0	0.00	0.0	1550.5	1550.5	0.00	583.50
219.0	0.00	0.0	1550.5	1550.5	0.00	583.50
220.0	0.00	0.0	1550.5	1550.5	0.00	583.50
221.0	0.00	0.0	1550.5	1550.5	0.00	583.50
222.0	0.00	0.0	1550.5	1550.5	0.00	583.50
223.0	0.00	0.0	1550.5	1550.5	0.00	583.50
224.0	0.00	0.0	1550.5	1550.5	0.00	583.50
225.0	0.00	0.0	1550.5	1550.5	0.00	583.50
226.0	0.00	0.0	1550.5	1550.5	0.00	583.50
227.0	0.00	0.0	1550.5	1550.5	0.00	583.50
228.0	0.00	0.0	1550.5	1550.5	0.00	583.50

Id File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1550.5	1550.5	0.00	583.50
230.0	0.00	0.0	1550.5	1550.5	0.00	583.50
231.0	0.00	0.0	1550.5	1550.5	0.00	583.50
232.0	0.00	0.0	1550.5	1550.5	0.00	583.50
233.0	0.00	0.0	1550.5	1550.5	0.00	583.50
234.0	0.00	0.0	1550.5	1550.5	0.00	583.50
235.0	0.00	0.0	1550.5	1550.5	0.00	583.50
236.0	0.00	0.0	1550.5	1550.5	0.00	583.50
237.0	0.00	0.0	1550.5	1550.5	0.00	583.50
238.0	0.00	0.0	1550.5	1550.5	0.00	583.50
239.0	0.00	0.0	1550.5	1550.5	0.00	583.50
240.0	0.00	0.0	1550.5	1550.5	0.00	583.50
241.0	0.00	0.0	1550.5	1550.5	0.00	583.50
242.0	0.00	0.0	1550.5	1550.5	0.00	583.50
243.0	0.00	0.0	1550.5	1550.5	0.00	583.50
244.0	0.00	0.0	1550.5	1550.5	0.00	583.50
245.0	0.00	0.0	1550.5	1550.5	0.00	583.50
246.0	0.00	0.0	1550.5	1550.5	0.00	583.50
247.0	0.00	0.0	1550.5	1550.5	0.00	583.50
248.0	0.00	0.0	1550.5	1550.5	0.00	583.50
249.0	0.00	0.0	1550.5	1550.5	0.00	583.50
250.0	0.00	0.0	1550.5	1550.5	0.00	583.50
251.0	0.00	0.0	1550.5	1550.5	0.00	583.50
252.0	0.00	0.0	1550.5	1550.5	0.00	583.50
253.0	0.00	0.0	1550.5	1550.5	0.00	583.50
254.0	0.00	0.0	1550.5	1550.5	0.00	583.50
255.0	0.00	0.0	1550.5	1550.5	0.00	583.50
256.0	0.00	0.0	1550.5	1550.5	0.00	583.50
257.0	0.00	0.0	1550.5	1550.5	0.00	583.50
258.0	0.00	0.0	1550.5	1550.5	0.00	583.50
259.0	0.00	0.0	1550.5	1550.5	0.00	583.50
260.0	0.00	0.0	1550.5	1550.5	0.00	583.50
261.0	0.00	0.0	1550.5	1550.5	0.00	583.50
262.0	0.00	0.0	1550.5	1550.5	0.00	583.50
263.0	0.00	0.0	1550.5	1550.5	0.00	583.50
264.0	0.00	0.0	1550.5	1550.5	0.00	583.50
265.0	0.00	0.0	1550.5	1550.5	0.00	583.50
266.0	0.00	0.0	1550.5	1550.5	0.00	583.50
267.0	0.00	0.0	1550.5	1550.5	0.00	583.50
268.0	0.00	0.0	1550.5	1550.5	0.00	583.50
269.0	0.00	0.0	1550.5	1550.5	0.00	583.50
270.0	0.00	0.0	1550.5	1550.5	0.00	583.50
271.0	0.00	0.0	1550.5	1550.5	0.00	583.50
272.0	0.00	0.0	1550.5	1550.5	0.00	583.50
273.0	0.00	0.0	1550.5	1550.5	0.00	583.50
274.0	0.00	0.0	1550.5	1550.5	0.00	583.50

Model File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA215BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	1550.5	1550.5	0.00	583.50
276.0	0.00	0.0	1550.5	1550.5	0.00	583.50
277.0	0.00	0.0	1550.5	1550.5	0.00	583.50
278.0	0.00	0.0	1550.5	1550.5	0.00	583.50
279.0	0.00	0.0	1550.5	1550.5	0.00	583.50
280.0	0.00	0.0	1550.5	1550.5	0.00	583.50
281.0	0.00	0.0	1550.5	1550.5	0.00	583.50
282.0	0.00	0.0	1550.5	1550.5	0.00	583.50
283.0	0.00	0.0	1550.5	1550.5	0.00	583.50
284.0	0.00	0.0	1550.5	1550.5	0.00	583.50
285.0	0.00	0.0	1550.5	1550.5	0.00	583.50
286.0	0.00	0.0	1550.5	1550.5	0.00	583.50
287.0	0.00	0.0	1550.5	1550.5	0.00	583.50
288.0	0.00	0.0	1550.5	1550.5	0.00	583.50
289.0	0.00	0.0	1550.5	1550.5	0.00	583.50
290.0	0.00	0.0	1550.5	1550.5	0.00	583.50
291.0	0.00	0.0	1550.5	1550.5	0.00	583.50
292.0	0.00	0.0	1550.5	1550.5	0.00	583.50
293.0	0.00	0.0	1550.5	1550.5	0.00	583.50
294.0	0.00	0.0	1550.5	1550.5	0.00	583.50
295.0	0.00	0.0	1550.5	1550.5	0.00	583.50
296.0	0.00	0.0	1550.5	1550.5	0.00	583.50
297.0	0.00	0.0	1550.5	1550.5	0.00	583.50
298.0	0.00	0.0	1550.5	1550.5	0.00	583.50
299.0	0.00	0.0	1550.5	1550.5	0.00	583.50
300.0	0.00	0.0	1550.5	1550.5	0.00	583.50
301.0	0.00	0.0	1550.5	1550.5	0.00	583.50
302.0	0.00	0.0	1550.5	1550.5	0.00	583.50
303.0	0.00	0.0	1550.5	1550.5	0.00	583.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2BL.PND
Inflow Hydrograph: j:\DATA\0312269\15BASN2 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA215BL .HYD

Starting Pond W.S. Elevation = 583.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 30.60 cfs
Peak Outflow = 29.22 cfs
Peak Elevation = 584.33 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 46,516 cu-ft
Peak Storage From Storm = 11,930 cu-ft

Total Storage in Pond = 58,446 cu-ft

```
*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #2 *
* BLOCKED LOW FLOW *
* *
* *
*****
```

Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
 Rating Table file: j:\DATA\0312269\BASIN2BL.PND

----INITIAL CONDITIONS----

Elevation = 583.50 ft
 Outflow = 0.00 cfs
 Storage = 46,516 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
583.50	0.0	46,516	1550.5	1550.5
583.70	3.4	49,292	1643.1	1646.5
583.90	9.7	52,132	1737.7	1747.4
584.10	17.9	55,033	1834.4	1852.3
584.30	27.6	57,997	1933.2	1960.8
584.50	38.5	61,024	2034.1	2072.6
584.70	50.6	64,114	2137.1	2187.7
584.90	63.8	67,268	2242.3	2306.1
585.10	77.7	70,486	2349.5	2427.2
585.30	86.3	73,770	2459.0	2545.3
585.50	94.2	77,119	2570.6	2664.8
585.70	101.5	80,535	2684.5	2786.0
585.90	108.2	84,019	2800.6	2908.8
586.00	111.5	85,785	2859.5	2971.0

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	1550.5	1550.5	0.00	583.50
1.0	7.55	7.6	1557.5	1558.1	0.27	583.52
2.0	15.10	22.7	1578.1	1580.2	1.05	583.56
3.0	22.64	37.7	1611.2	1615.8	2.31	583.64
4.0	30.19	52.8	1655.0	1664.0	4.50	583.73
5.0	37.74	67.9	1706.6	1723.0	8.17	583.85
6.0	37.74	75.5	1757.3	1782.1	12.41	583.97
7.0	37.74	75.5	1800.0	1832.8	16.37	584.06
8.0	37.74	75.5	1835.6	1875.5	19.97	584.14
9.0	37.74	75.5	1864.7	1911.0	23.15	584.21
10.0	37.74	75.5	1888.7	1940.2	25.76	584.26
11.0	37.74	75.5	1908.3	1964.2	27.93	584.31
12.0	37.74	75.5	1924.1	1983.8	29.84	584.34
13.0	37.74	75.5	1936.8	1999.6	31.38	584.37
14.0	37.74	75.5	1947.1	2012.3	32.62	584.39
15.0	37.74	75.5	1955.3	2022.6	33.62	584.41
16.0	37.74	75.5	1962.0	2030.8	34.42	584.43
17.0	37.74	75.5	1967.3	2037.4	35.07	584.44
18.0	37.74	75.5	1971.6	2042.8	35.59	584.45
19.0	37.74	75.5	1975.1	2047.1	36.01	584.45
20.0	37.74	75.5	1977.9	2050.5	36.35	584.46
21.0	30.19	67.9	1974.0	2045.8	35.88	584.45
22.0	22.64	52.8	1958.8	2026.8	34.04	584.42
23.0	15.10	37.7	1934.4	1996.5	31.08	584.36
24.0	7.55	22.7	1902.5	1957.0	27.26	584.29
25.0	0.00	7.6	1863.9	1910.0	23.06	584.21
26.0	0.00	0.0	1826.0	1863.9	18.94	584.12
27.0	0.00	0.0	1794.4	1826.0	15.85	584.05
28.0	0.00	0.0	1767.6	1794.4	13.37	583.99
29.0	0.00	0.0	1745.1	1767.6	11.28	583.94
30.0	0.00	0.0	1726.0	1745.1	9.55	583.90
31.0	0.00	0.0	1709.2	1726.0	8.36	583.86
32.0	0.00	0.0	1694.6	1709.2	7.32	583.82
33.0	0.00	0.0	1681.8	1694.6	6.40	583.80
34.0	0.00	0.0	1670.6	1681.8	5.60	583.77
35.0	0.00	0.0	1660.8	1670.6	4.90	583.75
36.0	0.00	0.0	1652.2	1660.8	4.29	583.73
37.0	0.00	0.0	1644.7	1652.2	3.76	583.71
38.0	0.00	0.0	1638.0	1644.7	3.34	583.70
39.0	0.00	0.0	1631.8	1638.0	3.10	583.68
40.0	0.00	0.0	1626.0	1631.8	2.88	583.67
41.0	0.00	0.0	1620.7	1626.0	2.68	583.66
42.0	0.00	0.0	1615.7	1620.7	2.49	583.65
43.0	0.00	0.0	1611.1	1615.7	2.31	583.64
44.0	0.00	0.0	1606.8	1611.1	2.15	583.63

and File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1602.8	1606.8	1.99	583.62
46.0	0.00	0.0	1599.1	1602.8	1.85	583.61
47.0	0.00	0.0	1595.7	1599.1	1.72	583.60
48.0	0.00	0.0	1592.5	1595.7	1.60	583.59
49.0	0.00	0.0	1589.5	1592.5	1.49	583.59
50.0	0.00	0.0	1586.7	1589.5	1.38	583.58
51.0	0.00	0.0	1584.2	1586.7	1.28	583.58
52.0	0.00	0.0	1581.8	1584.2	1.19	583.57
53.0	0.00	0.0	1579.6	1581.8	1.11	583.57
54.0	0.00	0.0	1577.5	1579.6	1.03	583.56
55.0	0.00	0.0	1575.6	1577.5	0.96	583.56
56.0	0.00	0.0	1573.8	1575.6	0.89	583.55
57.0	0.00	0.0	1572.2	1573.8	0.83	583.55
58.0	0.00	0.0	1570.6	1572.2	0.77	583.55
59.0	0.00	0.0	1569.2	1570.6	0.71	583.54
60.0	0.00	0.0	1567.9	1569.2	0.66	583.54
61.0	0.00	0.0	1566.7	1567.9	0.62	583.54
62.0	0.00	0.0	1565.5	1566.7	0.57	583.53
63.0	0.00	0.0	1564.5	1565.5	0.53	583.53
64.0	0.00	0.0	1563.5	1564.5	0.49	583.53
65.0	0.00	0.0	1562.6	1563.5	0.46	583.53
66.0	0.00	0.0	1561.7	1562.6	0.43	583.53
67.0	0.00	0.0	1560.9	1561.7	0.40	583.52
68.0	0.00	0.0	1560.2	1560.9	0.37	583.52
69.0	0.00	0.0	1559.5	1560.2	0.34	583.52
70.0	0.00	0.0	1558.9	1559.5	0.32	583.52
71.0	0.00	0.0	1558.3	1558.9	0.29	583.52
72.0	0.00	0.0	1557.7	1558.3	0.27	583.52
73.0	0.00	0.0	1557.2	1557.7	0.25	583.51
74.0	0.00	0.0	1556.7	1557.2	0.24	583.51
75.0	0.00	0.0	1556.3	1556.7	0.22	583.51
76.0	0.00	0.0	1555.9	1556.3	0.20	583.51
77.0	0.00	0.0	1555.5	1555.9	0.19	583.51
78.0	0.00	0.0	1555.2	1555.5	0.18	583.51
79.0	0.00	0.0	1554.8	1555.2	0.16	583.51
80.0	0.00	0.0	1554.5	1554.8	0.15	583.51
81.0	0.00	0.0	1554.2	1554.5	0.14	583.51
82.0	0.00	0.0	1554.0	1554.2	0.13	583.51
83.0	0.00	0.0	1553.7	1554.0	0.12	583.51
84.0	0.00	0.0	1553.5	1553.7	0.11	583.51
85.0	0.00	0.0	1553.3	1553.5	0.11	583.51
86.0	0.00	0.0	1553.1	1553.3	0.10	583.51
87.0	0.00	0.0	1552.9	1553.1	0.09	583.51
88.0	0.00	0.0	1552.7	1552.9	0.08	583.50
89.0	0.00	0.0	1552.6	1552.7	0.08	583.50
90.0	0.00	0.0	1552.4	1552.6	0.07	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1552.3	1552.4	0.07	583.50
92.0	0.00	0.0	1552.2	1552.3	0.06	583.50
93.0	0.00	0.0	1552.1	1552.2	0.06	583.50
94.0	0.00	0.0	1552.0	1552.1	0.05	583.50
95.0	0.00	0.0	1551.9	1552.0	0.05	583.50
96.0	0.00	0.0	1551.8	1551.9	0.05	583.50
97.0	0.00	0.0	1551.7	1551.8	0.04	583.50
98.0	0.00	0.0	1551.6	1551.7	0.04	583.50
99.0	0.00	0.0	1551.5	1551.6	0.04	583.50
100.0	0.00	0.0	1551.4	1551.5	0.03	583.50
101.0	0.00	0.0	1551.4	1551.4	0.03	583.50
102.0	0.00	0.0	1551.3	1551.4	0.03	583.50
103.0	0.00	0.0	1551.3	1551.3	0.03	583.50
104.0	0.00	0.0	1551.2	1551.3	0.03	583.50
105.0	0.00	0.0	1551.2	1551.2	0.02	583.50
106.0	0.00	0.0	1551.1	1551.2	0.02	583.50
107.0	0.00	0.0	1551.1	1551.1	0.02	583.50
108.0	0.00	0.0	1551.0	1551.1	0.02	583.50
109.0	0.00	0.0	1551.0	1551.0	0.02	583.50
110.0	0.00	0.0	1551.0	1551.0	0.02	583.50
111.0	0.00	0.0	1550.9	1551.0	0.02	583.50
112.0	0.00	0.0	1550.9	1550.9	0.01	583.50
113.0	0.00	0.0	1550.9	1550.9	0.01	583.50
114.0	0.00	0.0	1550.9	1550.9	0.01	583.50
115.0	0.00	0.0	1550.8	1550.9	0.01	583.50
116.0	0.00	0.0	1550.8	1550.8	0.01	583.50
117.0	0.00	0.0	1550.8	1550.8	0.01	583.50
118.0	0.00	0.0	1550.8	1550.8	0.01	583.50
119.0	0.00	0.0	1550.8	1550.8	0.01	583.50
120.0	0.00	0.0	1550.7	1550.8	0.01	583.50
121.0	0.00	0.0	1550.7	1550.7	0.01	583.50
122.0	0.00	0.0	1550.7	1550.7	0.01	583.50
123.0	0.00	0.0	1550.7	1550.7	0.01	583.50
124.0	0.00	0.0	1550.7	1550.7	0.01	583.50
125.0	0.00	0.0	1550.7	1550.7	0.01	583.50
126.0	0.00	0.0	1550.7	1550.7	0.01	583.50
127.0	0.00	0.0	1550.7	1550.7	0.00	583.50
128.0	0.00	0.0	1550.6	1550.7	0.00	583.50
129.0	0.00	0.0	1550.6	1550.6	0.00	583.50
130.0	0.00	0.0	1550.6	1550.6	0.00	583.50
131.0	0.00	0.0	1550.6	1550.6	0.00	583.50
132.0	0.00	0.0	1550.6	1550.6	0.00	583.50
133.0	0.00	0.0	1550.6	1550.6	0.00	583.50
134.0	0.00	0.0	1550.6	1550.6	0.00	583.50
135.0	0.00	0.0	1550.6	1550.6	0.00	583.50
136.0	0.00	0.0	1550.6	1550.6	0.00	583.50

id File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1550.6	1550.6	0.00	583.50
138.0	0.00	0.0	1550.6	1550.6	0.00	583.50
139.0	0.00	0.0	1550.6	1550.6	0.00	583.50
140.0	0.00	0.0	1550.6	1550.6	0.00	583.50
141.0	0.00	0.0	1550.6	1550.6	0.00	583.50
142.0	0.00	0.0	1550.6	1550.6	0.00	583.50
143.0	0.00	0.0	1550.6	1550.6	0.00	583.50
144.0	0.00	0.0	1550.6	1550.6	0.00	583.50
145.0	0.00	0.0	1550.6	1550.6	0.00	583.50
146.0	0.00	0.0	1550.6	1550.6	0.00	583.50
147.0	0.00	0.0	1550.6	1550.6	0.00	583.50
148.0	0.00	0.0	1550.6	1550.6	0.00	583.50
149.0	0.00	0.0	1550.6	1550.6	0.00	583.50
150.0	0.00	0.0	1550.6	1550.6	0.00	583.50
151.0	0.00	0.0	1550.6	1550.6	0.00	583.50
152.0	0.00	0.0	1550.5	1550.6	0.00	583.50
153.0	0.00	0.0	1550.5	1550.5	0.00	583.50
154.0	0.00	0.0	1550.5	1550.5	0.00	583.50
155.0	0.00	0.0	1550.5	1550.5	0.00	583.50
156.0	0.00	0.0	1550.5	1550.5	0.00	583.50
157.0	0.00	0.0	1550.5	1550.5	0.00	583.50
158.0	0.00	0.0	1550.5	1550.5	0.00	583.50
159.0	0.00	0.0	1550.5	1550.5	0.00	583.50
160.0	0.00	0.0	1550.5	1550.5	0.00	583.50
161.0	0.00	0.0	1550.5	1550.5	0.00	583.50
162.0	0.00	0.0	1550.5	1550.5	0.00	583.50
163.0	0.00	0.0	1550.5	1550.5	0.00	583.50
164.0	0.00	0.0	1550.5	1550.5	0.00	583.50
165.0	0.00	0.0	1550.5	1550.5	0.00	583.50
166.0	0.00	0.0	1550.5	1550.5	0.00	583.50
167.0	0.00	0.0	1550.5	1550.5	0.00	583.50
168.0	0.00	0.0	1550.5	1550.5	0.00	583.50
169.0	0.00	0.0	1550.5	1550.5	0.00	583.50
170.0	0.00	0.0	1550.5	1550.5	0.00	583.50
171.0	0.00	0.0	1550.5	1550.5	0.00	583.50
172.0	0.00	0.0	1550.5	1550.5	0.00	583.50
173.0	0.00	0.0	1550.5	1550.5	0.00	583.50
174.0	0.00	0.0	1550.5	1550.5	0.00	583.50
175.0	0.00	0.0	1550.5	1550.5	0.00	583.50
176.0	0.00	0.0	1550.5	1550.5	0.00	583.50
177.0	0.00	0.0	1550.5	1550.5	0.00	583.50
178.0	0.00	0.0	1550.5	1550.5	0.00	583.50
179.0	0.00	0.0	1550.5	1550.5	0.00	583.50
180.0	0.00	0.0	1550.5	1550.5	0.00	583.50
181.0	0.00	0.0	1550.5	1550.5	0.00	583.50
182.0	0.00	0.0	1550.5	1550.5	0.00	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1550.5	1550.5	0.00	583.50
184.0	0.00	0.0	1550.5	1550.5	0.00	583.50
185.0	0.00	0.0	1550.5	1550.5	0.00	583.50
186.0	0.00	0.0	1550.5	1550.5	0.00	583.50
187.0	0.00	0.0	1550.5	1550.5	0.00	583.50
188.0	0.00	0.0	1550.5	1550.5	0.00	583.50
189.0	0.00	0.0	1550.5	1550.5	0.00	583.50
190.0	0.00	0.0	1550.5	1550.5	0.00	583.50
191.0	0.00	0.0	1550.5	1550.5	0.00	583.50
192.0	0.00	0.0	1550.5	1550.5	0.00	583.50
193.0	0.00	0.0	1550.5	1550.5	0.00	583.50
194.0	0.00	0.0	1550.5	1550.5	0.00	583.50
195.0	0.00	0.0	1550.5	1550.5	0.00	583.50
196.0	0.00	0.0	1550.5	1550.5	0.00	583.50
197.0	0.00	0.0	1550.5	1550.5	0.00	583.50
198.0	0.00	0.0	1550.5	1550.5	0.00	583.50
199.0	0.00	0.0	1550.5	1550.5	0.00	583.50
200.0	0.00	0.0	1550.5	1550.5	0.00	583.50
201.0	0.00	0.0	1550.5	1550.5	0.00	583.50
202.0	0.00	0.0	1550.5	1550.5	0.00	583.50
203.0	0.00	0.0	1550.5	1550.5	0.00	583.50
204.0	0.00	0.0	1550.5	1550.5	0.00	583.50
205.0	0.00	0.0	1550.5	1550.5	0.00	583.50
206.0	0.00	0.0	1550.5	1550.5	0.00	583.50
207.0	0.00	0.0	1550.5	1550.5	0.00	583.50
208.0	0.00	0.0	1550.5	1550.5	0.00	583.50
209.0	0.00	0.0	1550.5	1550.5	0.00	583.50
210.0	0.00	0.0	1550.5	1550.5	0.00	583.50
211.0	0.00	0.0	1550.5	1550.5	0.00	583.50
212.0	0.00	0.0	1550.5	1550.5	0.00	583.50
213.0	0.00	0.0	1550.5	1550.5	0.00	583.50
214.0	0.00	0.0	1550.5	1550.5	0.00	583.50
215.0	0.00	0.0	1550.5	1550.5	0.00	583.50
216.0	0.00	0.0	1550.5	1550.5	0.00	583.50
217.0	0.00	0.0	1550.5	1550.5	0.00	583.50
218.0	0.00	0.0	1550.5	1550.5	0.00	583.50
219.0	0.00	0.0	1550.5	1550.5	0.00	583.50
220.0	0.00	0.0	1550.5	1550.5	0.00	583.50
221.0	0.00	0.0	1550.5	1550.5	0.00	583.50
222.0	0.00	0.0	1550.5	1550.5	0.00	583.50
223.0	0.00	0.0	1550.5	1550.5	0.00	583.50
224.0	0.00	0.0	1550.5	1550.5	0.00	583.50
225.0	0.00	0.0	1550.5	1550.5	0.00	583.50
226.0	0.00	0.0	1550.5	1550.5	0.00	583.50
227.0	0.00	0.0	1550.5	1550.5	0.00	583.50
228.0	0.00	0.0	1550.5	1550.5	0.00	583.50

id File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1550.5	1550.5	0.00	583.50
230.0	0.00	0.0	1550.5	1550.5	0.00	583.50
231.0	0.00	0.0	1550.5	1550.5	0.00	583.50
232.0	0.00	0.0	1550.5	1550.5	0.00	583.50
233.0	0.00	0.0	1550.5	1550.5	0.00	583.50
234.0	0.00	0.0	1550.5	1550.5	0.00	583.50
235.0	0.00	0.0	1550.5	1550.5	0.00	583.50
236.0	0.00	0.0	1550.5	1550.5	0.00	583.50
237.0	0.00	0.0	1550.5	1550.5	0.00	583.50
238.0	0.00	0.0	1550.5	1550.5	0.00	583.50
239.0	0.00	0.0	1550.5	1550.5	0.00	583.50
240.0	0.00	0.0	1550.5	1550.5	0.00	583.50
241.0	0.00	0.0	1550.5	1550.5	0.00	583.50
242.0	0.00	0.0	1550.5	1550.5	0.00	583.50
243.0	0.00	0.0	1550.5	1550.5	0.00	583.50
244.0	0.00	0.0	1550.5	1550.5	0.00	583.50
245.0	0.00	0.0	1550.5	1550.5	0.00	583.50
246.0	0.00	0.0	1550.5	1550.5	0.00	583.50
247.0	0.00	0.0	1550.5	1550.5	0.00	583.50
248.0	0.00	0.0	1550.5	1550.5	0.00	583.50
249.0	0.00	0.0	1550.5	1550.5	0.00	583.50
250.0	0.00	0.0	1550.5	1550.5	0.00	583.50
251.0	0.00	0.0	1550.5	1550.5	0.00	583.50
252.0	0.00	0.0	1550.5	1550.5	0.00	583.50
253.0	0.00	0.0	1550.5	1550.5	0.00	583.50
254.0	0.00	0.0	1550.5	1550.5	0.00	583.50
255.0	0.00	0.0	1550.5	1550.5	0.00	583.50
256.0	0.00	0.0	1550.5	1550.5	0.00	583.50
257.0	0.00	0.0	1550.5	1550.5	0.00	583.50
258.0	0.00	0.0	1550.5	1550.5	0.00	583.50
259.0	0.00	0.0	1550.5	1550.5	0.00	583.50
260.0	0.00	0.0	1550.5	1550.5	0.00	583.50
261.0	0.00	0.0	1550.5	1550.5	0.00	583.50
262.0	0.00	0.0	1550.5	1550.5	0.00	583.50
263.0	0.00	0.0	1550.5	1550.5	0.00	583.50
264.0	0.00	0.0	1550.5	1550.5	0.00	583.50
265.0	0.00	0.0	1550.5	1550.5	0.00	583.50
266.0	0.00	0.0	1550.5	1550.5	0.00	583.50
267.0	0.00	0.0	1550.5	1550.5	0.00	583.50
268.0	0.00	0.0	1550.5	1550.5	0.00	583.50
269.0	0.00	0.0	1550.5	1550.5	0.00	583.50
270.0	0.00	0.0	1550.5	1550.5	0.00	583.50
271.0	0.00	0.0	1550.5	1550.5	0.00	583.50
272.0	0.00	0.0	1550.5	1550.5	0.00	583.50
273.0	0.00	0.0	1550.5	1550.5	0.00	583.50
274.0	0.00	0.0	1550.5	1550.5	0.00	583.50

id File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	1550.5	1550.5	0.00	583.50
276.0	0.00	0.0	1550.5	1550.5	0.00	583.50
277.0	0.00	0.0	1550.5	1550.5	0.00	583.50
278.0	0.00	0.0	1550.5	1550.5	0.00	583.50
279.0	0.00	0.0	1550.5	1550.5	0.00	583.50
280.0	0.00	0.0	1550.5	1550.5	0.00	583.50
281.0	0.00	0.0	1550.5	1550.5	0.00	583.50
282.0	0.00	0.0	1550.5	1550.5	0.00	583.50
283.0	0.00	0.0	1550.5	1550.5	0.00	583.50
284.0	0.00	0.0	1550.5	1550.5	0.00	583.50
285.0	0.00	0.0	1550.5	1550.5	0.00	583.50
286.0	0.00	0.0	1550.5	1550.5	0.00	583.50
287.0	0.00	0.0	1550.5	1550.5	0.00	583.50
288.0	0.00	0.0	1550.5	1550.5	0.00	583.50
289.0	0.00	0.0	1550.5	1550.5	0.00	583.50
290.0	0.00	0.0	1550.5	1550.5	0.00	583.50
291.0	0.00	0.0	1550.5	1550.5	0.00	583.50
292.0	0.00	0.0	1550.5	1550.5	0.00	583.50
293.0	0.00	0.0	1550.5	1550.5	0.00	583.50
294.0	0.00	0.0	1550.5	1550.5	0.00	583.50
295.0	0.00	0.0	1550.5	1550.5	0.00	583.50
296.0	0.00	0.0	1550.5	1550.5	0.00	583.50
297.0	0.00	0.0	1550.5	1550.5	0.00	583.50
298.0	0.00	0.0	1550.5	1550.5	0.00	583.50
299.0	0.00	0.0	1550.5	1550.5	0.00	583.50
300.0	0.00	0.0	1550.5	1550.5	0.00	583.50
301.0	0.00	0.0	1550.5	1550.5	0.00	583.50
302.0	0.00	0.0	1550.5	1550.5	0.00	583.50
303.0	0.00	0.0	1550.5	1550.5	0.00	583.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2BL.PND
Inflow Hydrograph: j:\DATA\0312269\25BASN2 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA225BL .HYD

Starting Pond W.S. Elevation = 583.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 37.74 cfs
Peak Outflow = 36.35 cfs
Peak Elevation = 584.46 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 46,516 cu-ft
Peak Storage From Storm = 13,910 cu-ft

Total Storage in Pond = 60,426 cu-ft


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*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #2 *
* BLOCKED LOW FLOW *
*
*
*****
    
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Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Rating Table file: j:\DATA\0312269\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 583.50 ft
 Outflow = 0.00 cfs
 Storage = 46,516 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
583.50	0.0	46,516	1550.5	1550.5
583.70	3.4	49,292	1643.1	1646.5
583.90	9.7	52,132	1737.7	1747.4
584.10	17.9	55,033	1834.4	1852.3
584.30	27.6	57,997	1933.2	1960.8
584.50	38.5	61,024	2034.1	2072.6
584.70	50.6	64,114	2137.1	2187.7
584.90	63.8	67,268	2242.3	2306.1
585.10	77.7	70,486	2349.5	2427.2
585.30	86.3	73,770	2459.0	2545.3
585.50	94.2	77,119	2570.6	2664.8
585.70	101.5	80,535	2684.5	2786.0
585.90	108.2	84,019	2800.6	2908.8
586.00	111.5	85,785	2859.5	2971.0

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	1550.5	1550.5	0.00	583.50
1.0	9.69	9.7	1559.5	1560.2	0.34	583.52
2.0	19.38	29.1	1585.9	1588.6	1.35	583.58
3.0	29.07	48.5	1628.4	1634.4	2.97	583.67
4.0	38.76	67.8	1683.2	1696.2	6.51	583.80
5.0	48.45	87.2	1747.4	1770.4	11.50	583.94
6.0	48.45	96.9	1809.8	1844.3	17.28	584.08
7.0	48.45	96.9	1861.2	1906.7	22.76	584.20
8.0	48.45	96.9	1903.4	1958.1	27.35	584.29
9.0	48.45	96.9	1937.4	2000.3	31.44	584.37
10.0	48.45	96.9	1964.8	2034.3	34.76	584.43
11.0	48.45	96.9	1986.8	2061.7	37.43	584.48
12.0	48.45	96.9	2004.4	2083.7	39.66	584.52
13.0	48.45	96.9	2018.2	2101.3	41.51	584.55
14.0	48.45	96.9	2029.2	2115.1	42.97	584.57
15.0	48.45	96.9	2037.9	2126.1	44.12	584.59
16.0	48.45	96.9	2044.7	2134.8	45.03	584.61
17.0	48.45	96.9	2050.1	2141.6	45.75	584.62
18.0	48.45	96.9	2054.4	2147.0	46.32	584.63
19.0	48.45	96.9	2057.7	2151.3	46.77	584.64
20.0	48.45	96.9	2060.4	2154.6	47.12	584.64
21.0	38.76	87.2	2054.8	2147.6	46.38	584.63
22.0	29.07	67.8	2035.2	2122.7	43.76	584.59
23.0	19.38	48.5	2004.3	2083.6	39.65	584.52
24.0	9.69	29.1	1964.0	2033.4	34.67	584.43
25.0	0.00	9.7	1916.0	1973.7	28.86	584.32
26.0	0.00	0.0	1868.8	1916.0	23.59	584.22
27.0	0.00	0.0	1830.1	1868.8	19.37	584.13
28.0	0.00	0.0	1797.7	1830.1	16.16	584.06
29.0	0.00	0.0	1770.5	1797.7	13.63	584.00
30.0	0.00	0.0	1747.5	1770.5	11.50	583.94
31.0	0.00	0.0	1728.1	1747.5	9.70	583.90
32.0	0.00	0.0	1711.1	1728.1	8.49	583.86
33.0	0.00	0.0	1696.2	1711.1	7.43	583.83
34.0	0.00	0.0	1683.2	1696.2	6.50	583.80
35.0	0.00	0.0	1671.8	1683.2	5.69	583.77
36.0	0.00	0.0	1661.9	1671.8	4.98	583.75
37.0	0.00	0.0	1653.1	1661.9	4.36	583.73
38.0	0.00	0.0	1645.5	1653.1	3.82	583.71
39.0	0.00	0.0	1638.8	1645.5	3.37	583.70
40.0	0.00	0.0	1632.5	1638.8	3.13	583.68
41.0	0.00	0.0	1626.7	1632.5	2.91	583.67
42.0	0.00	0.0	1621.3	1626.7	2.70	583.66
43.0	0.00	0.0	1616.3	1621.3	2.51	583.65
44.0	0.00	0.0	1611.6	1616.3	2.33	583.64

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1607.3	1611.6	2.17	583.63
46.0	0.00	0.0	1603.3	1607.3	2.01	583.62
47.0	0.00	0.0	1599.5	1603.3	1.87	583.61
48.0	0.00	0.0	1596.1	1599.5	1.74	583.60
49.0	0.00	0.0	1592.8	1596.1	1.61	583.59
50.0	0.00	0.0	1589.8	1592.8	1.50	583.59
51.0	0.00	0.0	1587.1	1589.8	1.39	583.58
52.0	0.00	0.0	1584.5	1587.1	1.29	583.58
53.0	0.00	0.0	1582.1	1584.5	1.20	583.57
54.0	0.00	0.0	1579.8	1582.1	1.12	583.57
55.0	0.00	0.0	1577.8	1579.8	1.04	583.56
56.0	0.00	0.0	1575.8	1577.8	0.96	583.56
57.0	0.00	0.0	1574.0	1575.8	0.90	583.55
58.0	0.00	0.0	1572.4	1574.0	0.83	583.55
59.0	0.00	0.0	1570.8	1572.4	0.77	583.55
60.0	0.00	0.0	1569.4	1570.8	0.72	583.54
61.0	0.00	0.0	1568.0	1569.4	0.67	583.54
62.0	0.00	0.0	1566.8	1568.0	0.62	583.54
63.0	0.00	0.0	1565.6	1566.8	0.58	583.53
64.0	0.00	0.0	1564.6	1565.6	0.54	583.53
65.0	0.00	0.0	1563.6	1564.6	0.50	583.53
66.0	0.00	0.0	1562.7	1563.6	0.46	583.53
67.0	0.00	0.0	1561.8	1562.7	0.43	583.53
68.0	0.00	0.0	1561.0	1561.8	0.40	583.52
69.0	0.00	0.0	1560.3	1561.0	0.37	583.52
70.0	0.00	0.0	1559.6	1560.3	0.34	583.52
71.0	0.00	0.0	1558.9	1559.6	0.32	583.52
72.0	0.00	0.0	1558.3	1558.9	0.30	583.52
73.0	0.00	0.0	1557.8	1558.3	0.28	583.52
74.0	0.00	0.0	1557.3	1557.8	0.26	583.52
75.0	0.00	0.0	1556.8	1557.3	0.24	583.51
76.0	0.00	0.0	1556.3	1556.8	0.22	583.51
77.0	0.00	0.0	1555.9	1556.3	0.21	583.51
78.0	0.00	0.0	1555.5	1555.9	0.19	583.51
79.0	0.00	0.0	1555.2	1555.5	0.18	583.51
80.0	0.00	0.0	1554.9	1555.2	0.17	583.51
81.0	0.00	0.0	1554.6	1554.9	0.15	583.51
82.0	0.00	0.0	1554.3	1554.6	0.14	583.51
83.0	0.00	0.0	1554.0	1554.3	0.13	583.51
84.0	0.00	0.0	1553.8	1554.0	0.12	583.51
85.0	0.00	0.0	1553.5	1553.8	0.11	583.51
86.0	0.00	0.0	1553.3	1553.5	0.11	583.51
87.0	0.00	0.0	1553.1	1553.3	0.10	583.51
88.0	0.00	0.0	1552.9	1553.1	0.09	583.51
89.0	0.00	0.0	1552.8	1552.9	0.09	583.51
90.0	0.00	0.0	1552.6	1552.8	0.08	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1552.5	1552.6	0.07	583.50
92.0	0.00	0.0	1552.3	1552.5	0.07	583.50
93.0	0.00	0.0	1552.2	1552.3	0.06	583.50
94.0	0.00	0.0	1552.1	1552.2	0.06	583.50
95.0	0.00	0.0	1552.0	1552.1	0.05	583.50
96.0	0.00	0.0	1551.9	1552.0	0.05	583.50
97.0	0.00	0.0	1551.8	1551.9	0.05	583.50
98.0	0.00	0.0	1551.7	1551.8	0.04	583.50
99.0	0.00	0.0	1551.6	1551.7	0.04	583.50
100.0	0.00	0.0	1551.5	1551.6	0.04	583.50
101.0	0.00	0.0	1551.5	1551.5	0.04	583.50
102.0	0.00	0.0	1551.4	1551.5	0.03	583.50
103.0	0.00	0.0	1551.3	1551.4	0.03	583.50
104.0	0.00	0.0	1551.3	1551.3	0.03	583.50
105.0	0.00	0.0	1551.2	1551.3	0.03	583.50
106.0	0.00	0.0	1551.2	1551.2	0.02	583.50
107.0	0.00	0.0	1551.1	1551.2	0.02	583.50
108.0	0.00	0.0	1551.1	1551.1	0.02	583.50
109.0	0.00	0.0	1551.0	1551.1	0.02	583.50
110.0	0.00	0.0	1551.0	1551.0	0.02	583.50
111.0	0.00	0.0	1551.0	1551.0	0.02	583.50
112.0	0.00	0.0	1550.9	1551.0	0.02	583.50
113.0	0.00	0.0	1550.9	1550.9	0.01	583.50
114.0	0.00	0.0	1550.9	1550.9	0.01	583.50
115.0	0.00	0.0	1550.9	1550.9	0.01	583.50
116.0	0.00	0.0	1550.8	1550.9	0.01	583.50
117.0	0.00	0.0	1550.8	1550.8	0.01	583.50
118.0	0.00	0.0	1550.8	1550.8	0.01	583.50
119.0	0.00	0.0	1550.8	1550.8	0.01	583.50
120.0	0.00	0.0	1550.8	1550.8	0.01	583.50
121.0	0.00	0.0	1550.7	1550.8	0.01	583.50
122.0	0.00	0.0	1550.7	1550.7	0.01	583.50
123.0	0.00	0.0	1550.7	1550.7	0.01	583.50
124.0	0.00	0.0	1550.7	1550.7	0.01	583.50
125.0	0.00	0.0	1550.7	1550.7	0.01	583.50
126.0	0.00	0.0	1550.7	1550.7	0.01	583.50
127.0	0.00	0.0	1550.7	1550.7	0.01	583.50
128.0	0.00	0.0	1550.7	1550.7	0.00	583.50
129.0	0.00	0.0	1550.6	1550.7	0.00	583.50
130.0	0.00	0.0	1550.6	1550.6	0.00	583.50
131.0	0.00	0.0	1550.6	1550.6	0.00	583.50
132.0	0.00	0.0	1550.6	1550.6	0.00	583.50
133.0	0.00	0.0	1550.6	1550.6	0.00	583.50
134.0	0.00	0.0	1550.6	1550.6	0.00	583.50
135.0	0.00	0.0	1550.6	1550.6	0.00	583.50
136.0	0.00	0.0	1550.6	1550.6	0.00	583.50

Input File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	1550.6	1550.6	0.00	583.50
138.0	0.00	0.0	1550.6	1550.6	0.00	583.50
139.0	0.00	0.0	1550.6	1550.6	0.00	583.50
140.0	0.00	0.0	1550.6	1550.6	0.00	583.50
141.0	0.00	0.0	1550.6	1550.6	0.00	583.50
142.0	0.00	0.0	1550.6	1550.6	0.00	583.50
143.0	0.00	0.0	1550.6	1550.6	0.00	583.50
144.0	0.00	0.0	1550.6	1550.6	0.00	583.50
145.0	0.00	0.0	1550.6	1550.6	0.00	583.50
146.0	0.00	0.0	1550.6	1550.6	0.00	583.50
147.0	0.00	0.0	1550.6	1550.6	0.00	583.50
148.0	0.00	0.0	1550.6	1550.6	0.00	583.50
149.0	0.00	0.0	1550.6	1550.6	0.00	583.50
150.0	0.00	0.0	1550.6	1550.6	0.00	583.50
151.0	0.00	0.0	1550.6	1550.6	0.00	583.50
152.0	0.00	0.0	1550.6	1550.6	0.00	583.50
153.0	0.00	0.0	1550.5	1550.6	0.00	583.50
154.0	0.00	0.0	1550.5	1550.5	0.00	583.50
155.0	0.00	0.0	1550.5	1550.5	0.00	583.50
156.0	0.00	0.0	1550.5	1550.5	0.00	583.50
157.0	0.00	0.0	1550.5	1550.5	0.00	583.50
158.0	0.00	0.0	1550.5	1550.5	0.00	583.50
159.0	0.00	0.0	1550.5	1550.5	0.00	583.50
160.0	0.00	0.0	1550.5	1550.5	0.00	583.50
161.0	0.00	0.0	1550.5	1550.5	0.00	583.50
162.0	0.00	0.0	1550.5	1550.5	0.00	583.50
163.0	0.00	0.0	1550.5	1550.5	0.00	583.50
164.0	0.00	0.0	1550.5	1550.5	0.00	583.50
165.0	0.00	0.0	1550.5	1550.5	0.00	583.50
166.0	0.00	0.0	1550.5	1550.5	0.00	583.50
167.0	0.00	0.0	1550.5	1550.5	0.00	583.50
168.0	0.00	0.0	1550.5	1550.5	0.00	583.50
169.0	0.00	0.0	1550.5	1550.5	0.00	583.50
170.0	0.00	0.0	1550.5	1550.5	0.00	583.50
171.0	0.00	0.0	1550.5	1550.5	0.00	583.50
172.0	0.00	0.0	1550.5	1550.5	0.00	583.50
173.0	0.00	0.0	1550.5	1550.5	0.00	583.50
174.0	0.00	0.0	1550.5	1550.5	0.00	583.50
175.0	0.00	0.0	1550.5	1550.5	0.00	583.50
176.0	0.00	0.0	1550.5	1550.5	0.00	583.50
177.0	0.00	0.0	1550.5	1550.5	0.00	583.50
178.0	0.00	0.0	1550.5	1550.5	0.00	583.50
179.0	0.00	0.0	1550.5	1550.5	0.00	583.50
180.0	0.00	0.0	1550.5	1550.5	0.00	583.50
181.0	0.00	0.0	1550.5	1550.5	0.00	583.50
182.0	0.00	0.0	1550.5	1550.5	0.00	583.50

nd File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	1550.5	1550.5	0.00	583.50
184.0	0.00	0.0	1550.5	1550.5	0.00	583.50
185.0	0.00	0.0	1550.5	1550.5	0.00	583.50
186.0	0.00	0.0	1550.5	1550.5	0.00	583.50
187.0	0.00	0.0	1550.5	1550.5	0.00	583.50
188.0	0.00	0.0	1550.5	1550.5	0.00	583.50
189.0	0.00	0.0	1550.5	1550.5	0.00	583.50
190.0	0.00	0.0	1550.5	1550.5	0.00	583.50
191.0	0.00	0.0	1550.5	1550.5	0.00	583.50
192.0	0.00	0.0	1550.5	1550.5	0.00	583.50
193.0	0.00	0.0	1550.5	1550.5	0.00	583.50
194.0	0.00	0.0	1550.5	1550.5	0.00	583.50
195.0	0.00	0.0	1550.5	1550.5	0.00	583.50
196.0	0.00	0.0	1550.5	1550.5	0.00	583.50
197.0	0.00	0.0	1550.5	1550.5	0.00	583.50
198.0	0.00	0.0	1550.5	1550.5	0.00	583.50
199.0	0.00	0.0	1550.5	1550.5	0.00	583.50
200.0	0.00	0.0	1550.5	1550.5	0.00	583.50
201.0	0.00	0.0	1550.5	1550.5	0.00	583.50
202.0	0.00	0.0	1550.5	1550.5	0.00	583.50
203.0	0.00	0.0	1550.5	1550.5	0.00	583.50
204.0	0.00	0.0	1550.5	1550.5	0.00	583.50
205.0	0.00	0.0	1550.5	1550.5	0.00	583.50
206.0	0.00	0.0	1550.5	1550.5	0.00	583.50
207.0	0.00	0.0	1550.5	1550.5	0.00	583.50
208.0	0.00	0.0	1550.5	1550.5	0.00	583.50
209.0	0.00	0.0	1550.5	1550.5	0.00	583.50
210.0	0.00	0.0	1550.5	1550.5	0.00	583.50
211.0	0.00	0.0	1550.5	1550.5	0.00	583.50
212.0	0.00	0.0	1550.5	1550.5	0.00	583.50
213.0	0.00	0.0	1550.5	1550.5	0.00	583.50
214.0	0.00	0.0	1550.5	1550.5	0.00	583.50
215.0	0.00	0.0	1550.5	1550.5	0.00	583.50
216.0	0.00	0.0	1550.5	1550.5	0.00	583.50
217.0	0.00	0.0	1550.5	1550.5	0.00	583.50
218.0	0.00	0.0	1550.5	1550.5	0.00	583.50
219.0	0.00	0.0	1550.5	1550.5	0.00	583.50
220.0	0.00	0.0	1550.5	1550.5	0.00	583.50
221.0	0.00	0.0	1550.5	1550.5	0.00	583.50
222.0	0.00	0.0	1550.5	1550.5	0.00	583.50
223.0	0.00	0.0	1550.5	1550.5	0.00	583.50
224.0	0.00	0.0	1550.5	1550.5	0.00	583.50
225.0	0.00	0.0	1550.5	1550.5	0.00	583.50
226.0	0.00	0.0	1550.5	1550.5	0.00	583.50
227.0	0.00	0.0	1550.5	1550.5	0.00	583.50
228.0	0.00	0.0	1550.5	1550.5	0.00	583.50

nd File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	1550.5	1550.5	0.00	583.50
230.0	0.00	0.0	1550.5	1550.5	0.00	583.50
231.0	0.00	0.0	1550.5	1550.5	0.00	583.50
232.0	0.00	0.0	1550.5	1550.5	0.00	583.50
233.0	0.00	0.0	1550.5	1550.5	0.00	583.50
234.0	0.00	0.0	1550.5	1550.5	0.00	583.50
235.0	0.00	0.0	1550.5	1550.5	0.00	583.50
236.0	0.00	0.0	1550.5	1550.5	0.00	583.50
237.0	0.00	0.0	1550.5	1550.5	0.00	583.50
238.0	0.00	0.0	1550.5	1550.5	0.00	583.50
239.0	0.00	0.0	1550.5	1550.5	0.00	583.50
240.0	0.00	0.0	1550.5	1550.5	0.00	583.50
241.0	0.00	0.0	1550.5	1550.5	0.00	583.50
242.0	0.00	0.0	1550.5	1550.5	0.00	583.50
243.0	0.00	0.0	1550.5	1550.5	0.00	583.50
244.0	0.00	0.0	1550.5	1550.5	0.00	583.50
245.0	0.00	0.0	1550.5	1550.5	0.00	583.50
246.0	0.00	0.0	1550.5	1550.5	0.00	583.50
247.0	0.00	0.0	1550.5	1550.5	0.00	583.50
248.0	0.00	0.0	1550.5	1550.5	0.00	583.50
249.0	0.00	0.0	1550.5	1550.5	0.00	583.50
250.0	0.00	0.0	1550.5	1550.5	0.00	583.50
251.0	0.00	0.0	1550.5	1550.5	0.00	583.50
252.0	0.00	0.0	1550.5	1550.5	0.00	583.50
253.0	0.00	0.0	1550.5	1550.5	0.00	583.50
254.0	0.00	0.0	1550.5	1550.5	0.00	583.50
255.0	0.00	0.0	1550.5	1550.5	0.00	583.50
256.0	0.00	0.0	1550.5	1550.5	0.00	583.50
257.0	0.00	0.0	1550.5	1550.5	0.00	583.50
258.0	0.00	0.0	1550.5	1550.5	0.00	583.50
259.0	0.00	0.0	1550.5	1550.5	0.00	583.50
260.0	0.00	0.0	1550.5	1550.5	0.00	583.50
261.0	0.00	0.0	1550.5	1550.5	0.00	583.50
262.0	0.00	0.0	1550.5	1550.5	0.00	583.50
263.0	0.00	0.0	1550.5	1550.5	0.00	583.50
264.0	0.00	0.0	1550.5	1550.5	0.00	583.50
265.0	0.00	0.0	1550.5	1550.5	0.00	583.50
266.0	0.00	0.0	1550.5	1550.5	0.00	583.50
267.0	0.00	0.0	1550.5	1550.5	0.00	583.50
268.0	0.00	0.0	1550.5	1550.5	0.00	583.50
269.0	0.00	0.0	1550.5	1550.5	0.00	583.50
270.0	0.00	0.0	1550.5	1550.5	0.00	583.50
271.0	0.00	0.0	1550.5	1550.5	0.00	583.50
272.0	0.00	0.0	1550.5	1550.5	0.00	583.50
273.0	0.00	0.0	1550.5	1550.5	0.00	583.50
274.0	0.00	0.0	1550.5	1550.5	0.00	583.50

nd File: j:\DATA\0312269\BASIN2BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN2.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	1550.5	1550.5	0.00	583.50
276.0	0.00	0.0	1550.5	1550.5	0.00	583.50
277.0	0.00	0.0	1550.5	1550.5	0.00	583.50
278.0	0.00	0.0	1550.5	1550.5	0.00	583.50
279.0	0.00	0.0	1550.5	1550.5	0.00	583.50
280.0	0.00	0.0	1550.5	1550.5	0.00	583.50
281.0	0.00	0.0	1550.5	1550.5	0.00	583.50
282.0	0.00	0.0	1550.5	1550.5	0.00	583.50
283.0	0.00	0.0	1550.5	1550.5	0.00	583.50
284.0	0.00	0.0	1550.5	1550.5	0.00	583.50
285.0	0.00	0.0	1550.5	1550.5	0.00	583.50
286.0	0.00	0.0	1550.5	1550.5	0.00	583.50
287.0	0.00	0.0	1550.5	1550.5	0.00	583.50
288.0	0.00	0.0	1550.5	1550.5	0.00	583.50
289.0	0.00	0.0	1550.5	1550.5	0.00	583.50
290.0	0.00	0.0	1550.5	1550.5	0.00	583.50
291.0	0.00	0.0	1550.5	1550.5	0.00	583.50
292.0	0.00	0.0	1550.5	1550.5	0.00	583.50
293.0	0.00	0.0	1550.5	1550.5	0.00	583.50
294.0	0.00	0.0	1550.5	1550.5	0.00	583.50
295.0	0.00	0.0	1550.5	1550.5	0.00	583.50
296.0	0.00	0.0	1550.5	1550.5	0.00	583.50
297.0	0.00	0.0	1550.5	1550.5	0.00	583.50
298.0	0.00	0.0	1550.5	1550.5	0.00	583.50
299.0	0.00	0.0	1550.5	1550.5	0.00	583.50
300.0	0.00	0.0	1550.5	1550.5	0.00	583.50
301.0	0.00	0.0	1550.5	1550.5	0.00	583.50
302.0	0.00	0.0	1550.5	1550.5	0.00	583.50
303.0	0.00	0.0	1550.5	1550.5	0.00	583.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN2BL.PND
Inflow Hydrograph: j:\DATA\0312269\100BASN2.HYD
Outflow Hydrograph: j:\DATA\0312269\BA2110BL.HYD

Starting Pond W.S. Elevation = 583.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 48.45 cfs
Peak Outflow = 47.12 cfs
Peak Elevation = 584.64 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 46,516 cu-ft
Peak Storage From Storm = 16,709 cu-ft

Total Storage in Pond = 63,225 cu-ft

POND-2 Version: 5.17
 S/N: 1903000008

THE VILLAGES @ SPRINGHURST
 DETENTION BASIN #3

CALCULATED 02-28-2005 15:46:47
 DISK FILE: j:\DATA\0312269\BASIN3 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
572.50	0.00	0	0	0	0
573.00	200.00	200	200	33	33
574.00	2,003.00	2,003	2,836	945	979
576.00	3,937.00	3,937	8,748	5,832	6,811
578.00	6,189.00	6,189	15,062	10,041	16,852
580.00	9,058.00	9,058	22,734	15,156	32,008

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
-----	-----	-----
572.50	0.0	1
572.70	0.1	1
572.90	0.3	1
573.10	0.5	1
573.30	0.8	1
573.50	1.1	1
573.70	1.4	1
573.90	1.8	1
574.10	2.2	1
574.30	2.7	1
574.50	3.1	1
574.70	3.6	1
574.90	4.1	1
575.10	4.6	1
575.30	5.1	1
575.50	5.7	1
575.70	6.3	1
575.90	6.9	1
576.10	7.5	1
576.30	8.1	1
576.50	8.8	1
576.70	9.5	1
576.90	10.1	1
577.10	10.8	1
577.30	11.6	1
577.50	12.3	1
577.70	13.0	1
577.90	13.8	1
578.10	14.6	1
578.30	15.3	1
578.50	16.2	1
578.70	17.0	1
578.90	19.0	1 +3
579.10	24.8	1 +3
579.30	32.7	1 +3
579.50	42.3	1 +3
579.70	53.2	1 +3
579.90	65.0	2 +4
580.00	68.7	2 +4

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

Outlet Structure File: j:\DATA\0312269\BASIN3A .STR
Planimeter Input File: j:\DATA\0312269\BASIN3 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN3A .PND

Min. Elev.(ft) = 572.5 Max. Elev.(ft) = 580 Incr.(ft) = .2

Additional elevations (ft) to be included in table:

* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN3A .PND

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	572.5
E2 elev.(ft)?	579.8
Weir coefficient?	3.3
Weir elev.(ft)?	572.5
Length (ft)?	.333
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	579.8
E2 elev.(ft)?	580.001
Orifice coeff.?	.6
Invert elev.(ft)?	572.5
Datum elev.(ft) ?	576.15
Orifice area (sq ft)?	2.431

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	578.8
E2 elev.(ft)?	579.8
Weir coefficient?	3.3
Weir elev.(ft)?	578.8
Length (ft)?	11.34
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN3A .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	579.8
E2 elev.(ft)?	580.001
Orifice coeff.?	.6
Invert elev.(ft)?	578.8
Datum elev.(ft) ?	579.3
Orifice area (sq ft)?	11.34


```

*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   DETENTION BASIN #3          *
*
*
*
*
*****
  
```

Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3A .PND

----INITIAL CONDITIONS----
 Elevation = 572.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.50	0.0	0	0.0	0.0
572.70	0.1	2	0.1	0.2
572.90	0.3	17	0.6	0.9
573.10	0.5	58	1.9	2.4
573.30	0.8	141	4.7	5.5
573.50	1.1	281	9.4	10.5
573.70	1.4	493	16.4	17.8
573.90	1.8	792	26.4	28.2
574.10	2.2	1,183	39.4	41.6
574.30	2.7	1,617	53.9	56.6
574.50	3.1	2,084	69.5	72.6
574.70	3.6	2,587	86.2	89.8
574.90	4.1	3,127	104.2	108.3
575.10	4.6	3,705	123.5	128.1
575.30	5.1	4,322	144.1	149.2
575.50	5.7	4,980	166.0	171.7
575.70	6.3	5,680	189.3	195.6
575.90	6.9	6,423	214.1	221.0
576.10	7.5	7,209	240.3	247.8
576.30	8.1	8,037	267.9	276.0
576.50	8.8	8,907	296.9	305.7
576.70	9.5	9,819	327.3	336.8
576.90	10.1	10,774	359.1	369.2
577.10	10.8	11,774	392.5	403.3
577.30	11.6	12,820	427.3	438.9
577.50	12.3	13,912	463.7	476.0
577.70	13.0	15,051	501.7	514.7
577.90	13.8	16,240	541.3	555.1
578.10	14.6	17,478	582.6	597.2
578.30	15.3	18,768	625.6	640.9
578.50	16.2	20,112	670.4	686.6

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
578.70	17.0	21,510
578.90	19.0	22,965
579.10	24.8	24,475
579.30	32.7	26,045
579.50	42.3	27,673
579.70	53.2	29,361
579.90	65.0	31,111
580.00	68.7	32,008

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
717.0	734.0
765.5	784.5
815.8	840.6
868.2	900.9
922.4	964.7
978.7	1031.9
1037.0	1102.0
1066.9	1135.6

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	572.50
1.0	3.14	3.1	2.0	3.1	0.57	573.15
2.0	6.28	9.4	9.1	11.4	1.14	573.53
3.0	9.42	15.7	21.5	24.8	1.67	573.84
4.0	12.56	22.0	39.0	43.5	2.26	574.12
5.0	15.70	28.3	61.3	67.2	2.97	574.43
6.0	15.70	31.4	85.3	92.7	3.68	574.73
7.0	15.70	31.4	108.1	116.7	4.31	574.98
8.0	15.70	31.4	129.8	139.5	4.87	575.21
9.0	15.70	31.4	150.3	161.2	5.42	575.41
10.0	15.70	31.4	169.8	181.7	5.95	575.58
11.0	15.70	31.4	188.4	201.2	6.43	575.74
12.0	15.70	31.4	206.0	219.8	6.87	575.89
13.0	15.70	31.4	222.9	237.4	7.27	576.02
14.0	15.70	31.4	239.0	254.3	7.64	576.15
15.0	15.70	31.4	254.4	270.4	7.98	576.26
16.0	15.70	31.4	269.2	285.8	8.33	576.37
17.0	15.70	31.4	283.2	300.6	8.68	576.47
18.0	15.70	31.4	296.6	314.6	9.00	576.56
19.0	15.70	31.4	309.4	328.0	9.30	576.64
20.0	15.70	31.4	321.7	340.8	9.57	576.72
21.0	12.56	28.3	330.4	349.9	9.74	576.78
22.0	9.42	22.0	332.8	352.4	9.79	576.80
23.0	6.28	15.7	329.1	348.5	9.72	576.77
24.0	3.14	9.4	319.5	338.5	9.53	576.71
25.0	0.00	3.1	304.2	322.6	9.18	576.61
26.0	0.00	0.0	286.7	304.2	8.77	576.49
27.0	0.00	0.0	270.0	286.7	8.35	576.37
28.0	0.00	0.0	254.1	270.0	7.97	576.26
29.0	0.00	0.0	238.8	254.1	7.63	576.14
30.0	0.00	0.0	224.2	238.8	7.30	576.03
31.0	0.00	0.0	210.3	224.2	6.97	575.92
32.0	0.00	0.0	197.0	210.3	6.65	575.82
33.0	0.00	0.0	184.3	197.0	6.33	575.71
34.0	0.00	0.0	172.3	184.3	6.02	575.61
35.0	0.00	0.0	160.8	172.3	5.71	575.50
36.0	0.00	0.0	150.0	160.8	5.41	575.40
37.0	0.00	0.0	139.8	150.0	5.12	575.31
38.0	0.00	0.0	130.0	139.8	4.88	575.21
39.0	0.00	0.0	120.7	130.0	4.65	575.12
40.0	0.00	0.0	111.9	120.7	4.41	575.03
41.0	0.00	0.0	103.5	111.9	4.19	574.94
42.0	0.00	0.0	95.6	103.5	3.97	574.85
43.0	0.00	0.0	88.1	95.6	3.75	574.76
44.0	0.00	0.0	81.0	88.1	3.55	574.68

Find File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	74.3	81.0	3.34	574.60
46.0	0.00	0.0	68.0	74.3	3.15	574.52
47.0	0.00	0.0	62.0	68.0	2.99	574.44
48.0	0.00	0.0	56.3	62.0	2.84	574.37
49.0	0.00	0.0	51.0	56.3	2.69	574.30
50.0	0.00	0.0	45.9	51.0	2.51	574.22
51.0	0.00	0.0	41.2	45.9	2.34	574.16
52.0	0.00	0.0	36.9	41.2	2.19	574.09
53.0	0.00	0.0	32.8	36.9	2.06	574.03
54.0	0.00	0.0	28.9	32.8	1.94	573.97
55.0	0.00	0.0	25.2	28.9	1.82	573.91
56.0	0.00	0.0	21.9	25.2	1.69	573.84
57.0	0.00	0.0	18.8	21.9	1.56	573.78
58.0	0.00	0.0	15.9	18.8	1.44	573.72
59.0	0.00	0.0	13.2	15.9	1.32	573.65
60.0	0.00	0.0	10.8	13.2	1.21	573.58
61.0	0.00	0.0	8.6	10.8	1.11	573.51
62.0	0.00	0.0	6.6	8.6	0.99	573.42
63.0	0.00	0.0	4.9	6.6	0.87	573.35
64.0	0.00	0.0	3.4	4.9	0.74	573.26
65.0	0.00	0.0	2.2	3.4	0.59	573.16
66.0	0.00	0.0	1.3	2.2	0.47	573.07
67.0	0.00	0.0	0.6	1.3	0.35	572.95
68.0	0.00	0.0	0.1	0.6	0.21	572.81
69.0	0.00	0.0	-0.0	0.1	0.08	572.66
70.0	0.00	0.0	-0.0	-0.0	0.00	572.50
71.0	0.00	0.0	-0.0	-0.0	0.00	572.50
72.0	0.00	0.0	-0.0	-0.0	0.00	572.50
73.0	0.00	0.0	-0.0	-0.0	0.00	572.50
74.0	0.00	0.0	-0.0	-0.0	0.00	572.50
75.0	0.00	0.0	-0.0	-0.0	0.00	572.50
76.0	0.00	0.0	-0.0	-0.0	0.00	572.50
77.0	0.00	0.0	-0.0	-0.0	0.00	572.50
78.0	0.00	0.0	-0.0	-0.0	0.00	572.50
79.0	0.00	0.0	-0.0	-0.0	0.00	572.50
80.0	0.00	0.0	-0.0	-0.0	0.00	572.50
81.0	0.00	0.0	-0.0	-0.0	0.00	572.50
82.0	0.00	0.0	-0.0	-0.0	0.00	572.50
83.0	0.00	0.0	-0.0	-0.0	0.00	572.50
84.0	0.00	0.0	-0.0	-0.0	0.00	572.50
85.0	0.00	0.0	-0.0	-0.0	0.00	572.50
86.0	0.00	0.0	-0.0	-0.0	0.00	572.50
87.0	0.00	0.0	-0.0	-0.0	0.00	572.50
88.0	0.00	0.0	-0.0	-0.0	0.00	572.50
89.0	0.00	0.0	-0.0	-0.0	0.00	572.50
90.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	-0.0	-0.0	0.00	572.50
92.0	0.00	0.0	-0.0	-0.0	0.00	572.50
93.0	0.00	0.0	-0.0	-0.0	0.00	572.50
94.0	0.00	0.0	-0.0	-0.0	0.00	572.50
95.0	0.00	0.0	-0.0	-0.0	0.00	572.50
96.0	0.00	0.0	-0.0	-0.0	0.00	572.50
97.0	0.00	0.0	-0.0	-0.0	0.00	572.50
98.0	0.00	0.0	-0.0	-0.0	0.00	572.50
99.0	0.00	0.0	-0.0	-0.0	0.00	572.50
100.0	0.00	0.0	-0.0	-0.0	0.00	572.50
101.0	0.00	0.0	-0.0	-0.0	0.00	572.50
102.0	0.00	0.0	-0.0	-0.0	0.00	572.50
103.0	0.00	0.0	-0.0	-0.0	0.00	572.50
104.0	0.00	0.0	-0.0	-0.0	0.00	572.50
105.0	0.00	0.0	-0.0	-0.0	0.00	572.50
106.0	0.00	0.0	-0.0	-0.0	0.00	572.50
107.0	0.00	0.0	-0.0	-0.0	0.00	572.50
108.0	0.00	0.0	-0.0	-0.0	0.00	572.50
109.0	0.00	0.0	-0.0	-0.0	0.00	572.50
110.0	0.00	0.0	-0.0	-0.0	0.00	572.50
111.0	0.00	0.0	-0.0	-0.0	0.00	572.50
112.0	0.00	0.0	-0.0	-0.0	0.00	572.50
113.0	0.00	0.0	-0.0	-0.0	0.00	572.50
114.0	0.00	0.0	-0.0	-0.0	0.00	572.50
115.0	0.00	0.0	-0.0	-0.0	0.00	572.50
116.0	0.00	0.0	-0.0	-0.0	0.00	572.50
117.0	0.00	0.0	-0.0	-0.0	0.00	572.50
118.0	0.00	0.0	-0.0	-0.0	0.00	572.50
119.0	0.00	0.0	-0.0	-0.0	0.00	572.50
120.0	0.00	0.0	-0.0	-0.0	0.00	572.50
121.0	0.00	0.0	-0.0	-0.0	0.00	572.50
122.0	0.00	0.0	-0.0	-0.0	0.00	572.50
123.0	0.00	0.0	-0.0	-0.0	0.00	572.50
124.0	0.00	0.0	-0.0	-0.0	0.00	572.50
125.0	0.00	0.0	-0.0	-0.0	0.00	572.50
126.0	0.00	0.0	-0.0	-0.0	0.00	572.50
127.0	0.00	0.0	-0.0	-0.0	0.00	572.50
128.0	0.00	0.0	-0.0	-0.0	0.00	572.50
129.0	0.00	0.0	-0.0	-0.0	0.00	572.50
130.0	0.00	0.0	-0.0	-0.0	0.00	572.50
131.0	0.00	0.0	-0.0	-0.0	0.00	572.50
132.0	0.00	0.0	-0.0	-0.0	0.00	572.50
133.0	0.00	0.0	-0.0	-0.0	0.00	572.50
134.0	0.00	0.0	-0.0	-0.0	0.00	572.50
135.0	0.00	0.0	-0.0	-0.0	0.00	572.50
136.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Find File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	-0.0	-0.0	0.00	572.50
138.0	0.00	0.0	-0.0	-0.0	0.00	572.50
139.0	0.00	0.0	-0.0	-0.0	0.00	572.50
140.0	0.00	0.0	-0.0	-0.0	0.00	572.50
141.0	0.00	0.0	-0.0	-0.0	0.00	572.50
142.0	0.00	0.0	-0.0	-0.0	0.00	572.50
143.0	0.00	0.0	-0.0	-0.0	0.00	572.50
144.0	0.00	0.0	-0.0	-0.0	0.00	572.50
145.0	0.00	0.0	-0.0	-0.0	0.00	572.50
146.0	0.00	0.0	-0.0	-0.0	0.00	572.50
147.0	0.00	0.0	-0.0	-0.0	0.00	572.50
148.0	0.00	0.0	-0.0	-0.0	0.00	572.50
149.0	0.00	0.0	-0.0	-0.0	0.00	572.50
150.0	0.00	0.0	-0.0	-0.0	0.00	572.50
151.0	0.00	0.0	-0.0	-0.0	0.00	572.50
152.0	0.00	0.0	-0.0	-0.0	0.00	572.50
153.0	0.00	0.0	-0.0	-0.0	0.00	572.50
154.0	0.00	0.0	-0.0	-0.0	0.00	572.50
155.0	0.00	0.0	-0.0	-0.0	0.00	572.50
156.0	0.00	0.0	-0.0	-0.0	0.00	572.50
157.0	0.00	0.0	-0.0	-0.0	0.00	572.50
158.0	0.00	0.0	-0.0	-0.0	0.00	572.50
159.0	0.00	0.0	-0.0	-0.0	0.00	572.50
160.0	0.00	0.0	-0.0	-0.0	0.00	572.50
161.0	0.00	0.0	-0.0	-0.0	0.00	572.50
162.0	0.00	0.0	-0.0	-0.0	0.00	572.50
163.0	0.00	0.0	-0.0	-0.0	0.00	572.50
164.0	0.00	0.0	-0.0	-0.0	0.00	572.50
165.0	0.00	0.0	-0.0	-0.0	0.00	572.50
166.0	0.00	0.0	-0.0	-0.0	0.00	572.50
167.0	0.00	0.0	-0.0	-0.0	0.00	572.50
168.0	0.00	0.0	-0.0	-0.0	0.00	572.50
169.0	0.00	0.0	-0.0	-0.0	0.00	572.50
170.0	0.00	0.0	-0.0	-0.0	0.00	572.50
171.0	0.00	0.0	-0.0	-0.0	0.00	572.50
172.0	0.00	0.0	-0.0	-0.0	0.00	572.50
173.0	0.00	0.0	-0.0	-0.0	0.00	572.50
174.0	0.00	0.0	-0.0	-0.0	0.00	572.50
175.0	0.00	0.0	-0.0	-0.0	0.00	572.50
176.0	0.00	0.0	-0.0	-0.0	0.00	572.50
177.0	0.00	0.0	-0.0	-0.0	0.00	572.50
178.0	0.00	0.0	-0.0	-0.0	0.00	572.50
179.0	0.00	0.0	-0.0	-0.0	0.00	572.50
180.0	0.00	0.0	-0.0	-0.0	0.00	572.50
181.0	0.00	0.0	-0.0	-0.0	0.00	572.50
182.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	-0.0	-0.0	0.00	572.50
184.0	0.00	0.0	-0.0	-0.0	0.00	572.50
185.0	0.00	0.0	-0.0	-0.0	0.00	572.50
186.0	0.00	0.0	-0.0	-0.0	0.00	572.50
187.0	0.00	0.0	-0.0	-0.0	0.00	572.50
188.0	0.00	0.0	-0.0	-0.0	0.00	572.50
189.0	0.00	0.0	-0.0	-0.0	0.00	572.50
190.0	0.00	0.0	-0.0	-0.0	0.00	572.50
191.0	0.00	0.0	-0.0	-0.0	0.00	572.50
192.0	0.00	0.0	-0.0	-0.0	0.00	572.50
193.0	0.00	0.0	-0.0	-0.0	0.00	572.50
194.0	0.00	0.0	-0.0	-0.0	0.00	572.50
195.0	0.00	0.0	-0.0	-0.0	0.00	572.50
196.0	0.00	0.0	-0.0	-0.0	0.00	572.50
197.0	0.00	0.0	-0.0	-0.0	0.00	572.50
198.0	0.00	0.0	-0.0	-0.0	0.00	572.50
199.0	0.00	0.0	-0.0	-0.0	0.00	572.50
200.0	0.00	0.0	-0.0	-0.0	0.00	572.50
201.0	0.00	0.0	-0.0	-0.0	0.00	572.50
202.0	0.00	0.0	-0.0	-0.0	0.00	572.50
203.0	0.00	0.0	-0.0	-0.0	0.00	572.50
204.0	0.00	0.0	-0.0	-0.0	0.00	572.50
205.0	0.00	0.0	-0.0	-0.0	0.00	572.50
206.0	0.00	0.0	-0.0	-0.0	0.00	572.50
207.0	0.00	0.0	-0.0	-0.0	0.00	572.50
208.0	0.00	0.0	-0.0	-0.0	0.00	572.50
209.0	0.00	0.0	-0.0	-0.0	0.00	572.50
210.0	0.00	0.0	-0.0	-0.0	0.00	572.50
211.0	0.00	0.0	-0.0	-0.0	0.00	572.50
212.0	0.00	0.0	-0.0	-0.0	0.00	572.50
213.0	0.00	0.0	-0.0	-0.0	0.00	572.50
214.0	0.00	0.0	-0.0	-0.0	0.00	572.50
215.0	0.00	0.0	-0.0	-0.0	0.00	572.50
216.0	0.00	0.0	-0.0	-0.0	0.00	572.50
217.0	0.00	0.0	-0.0	-0.0	0.00	572.50
218.0	0.00	0.0	-0.0	-0.0	0.00	572.50
219.0	0.00	0.0	-0.0	-0.0	0.00	572.50
220.0	0.00	0.0	-0.0	-0.0	0.00	572.50
221.0	0.00	0.0	-0.0	-0.0	0.00	572.50
222.0	0.00	0.0	-0.0	-0.0	0.00	572.50
223.0	0.00	0.0	-0.0	-0.0	0.00	572.50
224.0	0.00	0.0	-0.0	-0.0	0.00	572.50
225.0	0.00	0.0	-0.0	-0.0	0.00	572.50
226.0	0.00	0.0	-0.0	-0.0	0.00	572.50
227.0	0.00	0.0	-0.0	-0.0	0.00	572.50
228.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	572.50
230.0	0.00	0.0	-0.0	-0.0	0.00	572.50
231.0	0.00	0.0	-0.0	-0.0	0.00	572.50
232.0	0.00	0.0	-0.0	-0.0	0.00	572.50
233.0	0.00	0.0	-0.0	-0.0	0.00	572.50
234.0	0.00	0.0	-0.0	-0.0	0.00	572.50
235.0	0.00	0.0	-0.0	-0.0	0.00	572.50
236.0	0.00	0.0	-0.0	-0.0	0.00	572.50
237.0	0.00	0.0	-0.0	-0.0	0.00	572.50
238.0	0.00	0.0	-0.0	-0.0	0.00	572.50
239.0	0.00	0.0	-0.0	-0.0	0.00	572.50
240.0	0.00	0.0	-0.0	-0.0	0.00	572.50
241.0	0.00	0.0	-0.0	-0.0	0.00	572.50
242.0	0.00	0.0	-0.0	-0.0	0.00	572.50
243.0	0.00	0.0	-0.0	-0.0	0.00	572.50
244.0	0.00	0.0	-0.0	-0.0	0.00	572.50
245.0	0.00	0.0	-0.0	-0.0	0.00	572.50
246.0	0.00	0.0	-0.0	-0.0	0.00	572.50
247.0	0.00	0.0	-0.0	-0.0	0.00	572.50
248.0	0.00	0.0	-0.0	-0.0	0.00	572.50
249.0	0.00	0.0	-0.0	-0.0	0.00	572.50
250.0	0.00	0.0	-0.0	-0.0	0.00	572.50
251.0	0.00	0.0	-0.0	-0.0	0.00	572.50
252.0	0.00	0.0	-0.0	-0.0	0.00	572.50
253.0	0.00	0.0	-0.0	-0.0	0.00	572.50
254.0	0.00	0.0	-0.0	-0.0	0.00	572.50
255.0	0.00	0.0	-0.0	-0.0	0.00	572.50
256.0	0.00	0.0	-0.0	-0.0	0.00	572.50
257.0	0.00	0.0	-0.0	-0.0	0.00	572.50
258.0	0.00	0.0	-0.0	-0.0	0.00	572.50
259.0	0.00	0.0	-0.0	-0.0	0.00	572.50
260.0	0.00	0.0	-0.0	-0.0	0.00	572.50
261.0	0.00	0.0	-0.0	-0.0	0.00	572.50
262.0	0.00	0.0	-0.0	-0.0	0.00	572.50
263.0	0.00	0.0	-0.0	-0.0	0.00	572.50
264.0	0.00	0.0	-0.0	-0.0	0.00	572.50
265.0	0.00	0.0	-0.0	-0.0	0.00	572.50
266.0	0.00	0.0	-0.0	-0.0	0.00	572.50
267.0	0.00	0.0	-0.0	-0.0	0.00	572.50
268.0	0.00	0.0	-0.0	-0.0	0.00	572.50
269.0	0.00	0.0	-0.0	-0.0	0.00	572.50
270.0	0.00	0.0	-0.0	-0.0	0.00	572.50
271.0	0.00	0.0	-0.0	-0.0	0.00	572.50
272.0	0.00	0.0	-0.0	-0.0	0.00	572.50
273.0	0.00	0.0	-0.0	-0.0	0.00	572.50
274.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	572.50
276.0	0.00	0.0	-0.0	-0.0	0.00	572.50
277.0	0.00	0.0	-0.0	-0.0	0.00	572.50
278.0	0.00	0.0	-0.0	-0.0	0.00	572.50
279.0	0.00	0.0	-0.0	-0.0	0.00	572.50
280.0	0.00	0.0	-0.0	-0.0	0.00	572.50
281.0	0.00	0.0	-0.0	-0.0	0.00	572.50
282.0	0.00	0.0	-0.0	-0.0	0.00	572.50
283.0	0.00	0.0	-0.0	-0.0	0.00	572.50
284.0	0.00	0.0	-0.0	-0.0	0.00	572.50
285.0	0.00	0.0	-0.0	-0.0	0.00	572.50
286.0	0.00	0.0	-0.0	-0.0	0.00	572.50
287.0	0.00	0.0	-0.0	-0.0	0.00	572.50
288.0	0.00	0.0	-0.0	-0.0	0.00	572.50
289.0	0.00	0.0	-0.0	-0.0	0.00	572.50
290.0	0.00	0.0	-0.0	-0.0	0.00	572.50
291.0	0.00	0.0	-0.0	-0.0	0.00	572.50
292.0	0.00	0.0	-0.0	-0.0	0.00	572.50
293.0	0.00	0.0	-0.0	-0.0	0.00	572.50
294.0	0.00	0.0	-0.0	-0.0	0.00	572.50
295.0	0.00	0.0	-0.0	-0.0	0.00	572.50
296.0	0.00	0.0	-0.0	-0.0	0.00	572.50
297.0	0.00	0.0	-0.0	-0.0	0.00	572.50
298.0	0.00	0.0	-0.0	-0.0	0.00	572.50
299.0	0.00	0.0	-0.0	-0.0	0.00	572.50
300.0	0.00	0.0	-0.0	-0.0	0.00	572.50
301.0	0.00	0.0	-0.0	-0.0	0.00	572.50
302.0	0.00	0.0	-0.0	-0.0	0.00	572.50
303.0	0.00	0.0	-0.0	-0.0	0.00	572.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3A .PND
Inflow Hydrograph: j:\DATA\0312269\02BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN302 .HYD

Starting Pond W.S. Elevation = 572.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 15.70 cfs
Peak Outflow = 9.79 cfs
Peak Elevation = 576.80 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 10,279 cu-ft

Total Storage in Pond = 10,279 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #3 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3A .PND

----INITIAL CONDITIONS----
 Elevation = 572.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.50	0.0	0	0.0	0.0
572.70	0.1	2	0.1	0.2
572.90	0.3	17	0.6	0.9
573.10	0.5	58	1.9	2.4
573.30	0.8	141	4.7	5.5
573.50	1.1	281	9.4	10.5
573.70	1.4	493	16.4	17.8
573.90	1.8	792	26.4	28.2
574.10	2.2	1,183	39.4	41.6
574.30	2.7	1,617	53.9	56.6
574.50	3.1	2,084	69.5	72.6
574.70	3.6	2,587	86.2	89.8
574.90	4.1	3,127	104.2	108.3
575.10	4.6	3,705	123.5	128.1
575.30	5.1	4,322	144.1	149.2
575.50	5.7	4,980	166.0	171.7
575.70	6.3	5,680	189.3	195.6
575.90	6.9	6,423	214.1	221.0
576.10	7.5	7,209	240.3	247.8
576.30	8.1	8,037	267.9	276.0
576.50	8.8	8,907	296.9	305.7
576.70	9.5	9,819	327.3	336.8
576.90	10.1	10,774	359.1	369.2
577.10	10.8	11,774	392.5	403.3
577.30	11.6	12,820	427.3	438.9
577.50	12.3	13,912	463.7	476.0
577.70	13.0	15,051	501.7	514.7
577.90	13.8	16,240	541.3	555.1
578.10	14.6	17,478	582.6	597.2
578.30	15.3	18,768	625.6	640.9
578.50	16.2	20,112	670.4	686.6

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
578.70	17.0	21,510
578.90	19.0	22,965
579.10	24.8	24,475
579.30	32.7	26,045
579.50	42.3	27,673
579.70	53.2	29,361
579.90	65.0	31,111
580.00	68.7	32,008

INTERMEDIATE ROUTING
COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
717.0	734.0
765.5	784.5
815.8	840.6
868.2	900.9
922.4	964.7
978.7	1031.9
1037.0	1102.0
1066.9	1135.6

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	572.50
1.0	5.12	5.1	3.6	5.1	0.76	573.28
2.0	10.24	15.4	16.1	19.0	1.44	573.72
3.0	15.35	25.6	37.3	41.7	2.20	574.10
4.0	20.47	35.8	66.8	73.1	3.11	574.51
5.0	25.59	46.1	104.5	112.9	4.22	574.95
6.0	25.59	51.2	145.1	155.7	5.27	575.36
7.0	25.59	51.2	183.7	196.3	6.32	575.71
8.0	25.59	51.2	220.4	234.8	7.21	576.00
9.0	25.59	51.2	255.6	271.6	8.01	576.27
10.0	25.59	51.2	289.1	306.8	8.82	576.51
11.0	25.59	51.2	321.2	340.3	9.56	576.72
12.0	25.59	51.2	352.0	372.3	10.16	576.92
13.0	25.59	51.2	381.6	403.2	10.80	577.10
14.0	25.59	51.2	409.9	432.8	11.46	577.27
15.0	25.59	51.2	437.0	461.0	12.02	577.42
16.0	25.59	51.2	463.1	488.2	12.52	577.56
17.0	25.59	51.2	488.3	514.3	12.99	577.70
18.0	25.59	51.2	512.5	539.5	13.49	577.82
19.0	25.59	51.2	535.8	563.7	13.96	577.94
20.0	25.59	51.2	558.2	587.0	14.41	578.05
21.0	20.47	46.1	574.8	604.2	14.71	578.13
22.0	15.35	35.8	581.0	610.6	14.82	578.16
23.0	10.24	25.6	577.1	606.6	14.75	578.14
24.0	5.12	15.4	563.4	592.4	14.51	578.08
25.0	0.00	5.1	540.4	568.5	14.06	577.96
26.0	0.00	0.0	513.4	540.4	13.51	577.83
27.0	0.00	0.0	487.5	513.4	12.98	577.69
28.0	0.00	0.0	462.4	487.5	12.51	577.56
29.0	0.00	0.0	438.3	462.4	12.04	577.43
30.0	0.00	0.0	415.2	438.3	11.59	577.30
31.0	0.00	0.0	393.0	415.2	11.07	577.17
32.0	0.00	0.0	371.9	393.0	10.59	577.04
33.0	0.00	0.0	351.6	371.9	10.15	576.92
34.0	0.00	0.0	332.0	351.6	9.77	576.79
35.0	0.00	0.0	313.2	332.0	9.39	576.67
36.0	0.00	0.0	295.3	313.2	8.97	576.55
37.0	0.00	0.0	278.2	295.3	8.55	576.43
38.0	0.00	0.0	261.9	278.2	8.15	576.31
39.0	0.00	0.0	246.3	261.9	7.80	576.20
40.0	0.00	0.0	231.3	246.3	7.47	576.09
41.0	0.00	0.0	217.1	231.3	7.13	575.98
42.0	0.00	0.0	203.5	217.1	6.81	575.87
43.0	0.00	0.0	190.5	203.5	6.49	575.76
44.0	0.00	0.0	178.2	190.5	6.17	575.66

Inflow File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	166.4	178.2	5.86	575.55
46.0	0.00	0.0	155.3	166.4	5.56	575.45
47.0	0.00	0.0	144.8	155.3	5.26	575.35
48.0	0.00	0.0	134.8	144.8	5.00	575.26
49.0	0.00	0.0	125.3	134.8	4.76	575.16
50.0	0.00	0.0	116.2	125.3	4.53	575.07
51.0	0.00	0.0	107.6	116.2	4.30	574.98
52.0	0.00	0.0	99.5	107.6	4.08	574.89
53.0	0.00	0.0	91.7	99.5	3.86	574.80
54.0	0.00	0.0	84.4	91.7	3.65	574.72
55.0	0.00	0.0	77.5	84.4	3.44	574.64
56.0	0.00	0.0	71.1	77.5	3.24	574.56
57.0	0.00	0.0	64.9	71.1	3.06	574.48
58.0	0.00	0.0	59.1	64.9	2.91	574.40
59.0	0.00	0.0	53.6	59.1	2.76	574.33
60.0	0.00	0.0	48.4	53.6	2.60	574.26
61.0	0.00	0.0	43.5	48.4	2.43	574.19
62.0	0.00	0.0	39.0	43.5	2.26	574.13
63.0	0.00	0.0	34.8	39.0	2.12	574.06
64.0	0.00	0.0	30.8	34.8	2.00	574.00
65.0	0.00	0.0	27.0	30.8	1.88	573.94
66.0	0.00	0.0	23.5	27.0	1.75	573.88
67.0	0.00	0.0	20.3	23.5	1.62	573.81
68.0	0.00	0.0	17.3	20.3	1.49	573.75
69.0	0.00	0.0	14.5	17.3	1.38	573.69
70.0	0.00	0.0	12.0	14.5	1.27	573.61
71.0	0.00	0.0	9.7	12.0	1.16	573.54
72.0	0.00	0.0	7.6	9.7	1.05	573.47
73.0	0.00	0.0	5.7	7.6	0.93	573.38
74.0	0.00	0.0	4.1	5.7	0.81	573.31
75.0	0.00	0.0	2.8	4.1	0.66	573.21
76.0	0.00	0.0	1.7	2.8	0.53	573.12
77.0	0.00	0.0	0.9	1.7	0.41	573.01
78.0	0.00	0.0	0.3	0.9	0.30	572.90
79.0	0.00	0.0	0.0	0.3	0.13	572.73
80.0	0.00	0.0	-0.0	0.0	0.01	572.52
81.0	0.00	0.0	-0.0	-0.0	0.00	572.50
82.0	0.00	0.0	-0.0	-0.0	0.00	572.50
83.0	0.00	0.0	-0.0	-0.0	0.00	572.50
84.0	0.00	0.0	-0.0	-0.0	0.00	572.50
85.0	0.00	0.0	-0.0	-0.0	0.00	572.50
86.0	0.00	0.0	-0.0	-0.0	0.00	572.50
87.0	0.00	0.0	-0.0	-0.0	0.00	572.50
88.0	0.00	0.0	-0.0	-0.0	0.00	572.50
89.0	0.00	0.0	-0.0	-0.0	0.00	572.50
90.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	-0.0	-0.0	0.00	572.50
92.0	0.00	0.0	-0.0	-0.0	0.00	572.50
93.0	0.00	0.0	-0.0	-0.0	0.00	572.50
94.0	0.00	0.0	-0.0	-0.0	0.00	572.50
95.0	0.00	0.0	-0.0	-0.0	0.00	572.50
96.0	0.00	0.0	-0.0	-0.0	0.00	572.50
97.0	0.00	0.0	-0.0	-0.0	0.00	572.50
98.0	0.00	0.0	-0.0	-0.0	0.00	572.50
99.0	0.00	0.0	-0.0	-0.0	0.00	572.50
100.0	0.00	0.0	-0.0	-0.0	0.00	572.50
101.0	0.00	0.0	-0.0	-0.0	0.00	572.50
102.0	0.00	0.0	-0.0	-0.0	0.00	572.50
103.0	0.00	0.0	-0.0	-0.0	0.00	572.50
104.0	0.00	0.0	-0.0	-0.0	0.00	572.50
105.0	0.00	0.0	-0.0	-0.0	0.00	572.50
106.0	0.00	0.0	-0.0	-0.0	0.00	572.50
107.0	0.00	0.0	-0.0	-0.0	0.00	572.50
108.0	0.00	0.0	-0.0	-0.0	0.00	572.50
109.0	0.00	0.0	-0.0	-0.0	0.00	572.50
110.0	0.00	0.0	-0.0	-0.0	0.00	572.50
111.0	0.00	0.0	-0.0	-0.0	0.00	572.50
112.0	0.00	0.0	-0.0	-0.0	0.00	572.50
113.0	0.00	0.0	-0.0	-0.0	0.00	572.50
114.0	0.00	0.0	-0.0	-0.0	0.00	572.50
115.0	0.00	0.0	-0.0	-0.0	0.00	572.50
116.0	0.00	0.0	-0.0	-0.0	0.00	572.50
117.0	0.00	0.0	-0.0	-0.0	0.00	572.50
118.0	0.00	0.0	-0.0	-0.0	0.00	572.50
119.0	0.00	0.0	-0.0	-0.0	0.00	572.50
120.0	0.00	0.0	-0.0	-0.0	0.00	572.50
121.0	0.00	0.0	-0.0	-0.0	0.00	572.50
122.0	0.00	0.0	-0.0	-0.0	0.00	572.50
123.0	0.00	0.0	-0.0	-0.0	0.00	572.50
124.0	0.00	0.0	-0.0	-0.0	0.00	572.50
125.0	0.00	0.0	-0.0	-0.0	0.00	572.50
126.0	0.00	0.0	-0.0	-0.0	0.00	572.50
127.0	0.00	0.0	-0.0	-0.0	0.00	572.50
128.0	0.00	0.0	-0.0	-0.0	0.00	572.50
129.0	0.00	0.0	-0.0	-0.0	0.00	572.50
130.0	0.00	0.0	-0.0	-0.0	0.00	572.50
131.0	0.00	0.0	-0.0	-0.0	0.00	572.50
132.0	0.00	0.0	-0.0	-0.0	0.00	572.50
133.0	0.00	0.0	-0.0	-0.0	0.00	572.50
134.0	0.00	0.0	-0.0	-0.0	0.00	572.50
135.0	0.00	0.0	-0.0	-0.0	0.00	572.50
136.0	0.00	0.0	-0.0	-0.0	0.00	572.50

and File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	-0.0	-0.0	0.00	572.50
138.0	0.00	0.0	-0.0	-0.0	0.00	572.50
139.0	0.00	0.0	-0.0	-0.0	0.00	572.50
140.0	0.00	0.0	-0.0	-0.0	0.00	572.50
141.0	0.00	0.0	-0.0	-0.0	0.00	572.50
142.0	0.00	0.0	-0.0	-0.0	0.00	572.50
143.0	0.00	0.0	-0.0	-0.0	0.00	572.50
144.0	0.00	0.0	-0.0	-0.0	0.00	572.50
145.0	0.00	0.0	-0.0	-0.0	0.00	572.50
146.0	0.00	0.0	-0.0	-0.0	0.00	572.50
147.0	0.00	0.0	-0.0	-0.0	0.00	572.50
148.0	0.00	0.0	-0.0	-0.0	0.00	572.50
149.0	0.00	0.0	-0.0	-0.0	0.00	572.50
150.0	0.00	0.0	-0.0	-0.0	0.00	572.50
151.0	0.00	0.0	-0.0	-0.0	0.00	572.50
152.0	0.00	0.0	-0.0	-0.0	0.00	572.50
153.0	0.00	0.0	-0.0	-0.0	0.00	572.50
154.0	0.00	0.0	-0.0	-0.0	0.00	572.50
155.0	0.00	0.0	-0.0	-0.0	0.00	572.50
156.0	0.00	0.0	-0.0	-0.0	0.00	572.50
157.0	0.00	0.0	-0.0	-0.0	0.00	572.50
158.0	0.00	0.0	-0.0	-0.0	0.00	572.50
159.0	0.00	0.0	-0.0	-0.0	0.00	572.50
160.0	0.00	0.0	-0.0	-0.0	0.00	572.50
161.0	0.00	0.0	-0.0	-0.0	0.00	572.50
162.0	0.00	0.0	-0.0	-0.0	0.00	572.50
163.0	0.00	0.0	-0.0	-0.0	0.00	572.50
164.0	0.00	0.0	-0.0	-0.0	0.00	572.50
165.0	0.00	0.0	-0.0	-0.0	0.00	572.50
166.0	0.00	0.0	-0.0	-0.0	0.00	572.50
167.0	0.00	0.0	-0.0	-0.0	0.00	572.50
168.0	0.00	0.0	-0.0	-0.0	0.00	572.50
169.0	0.00	0.0	-0.0	-0.0	0.00	572.50
170.0	0.00	0.0	-0.0	-0.0	0.00	572.50
171.0	0.00	0.0	-0.0	-0.0	0.00	572.50
172.0	0.00	0.0	-0.0	-0.0	0.00	572.50
173.0	0.00	0.0	-0.0	-0.0	0.00	572.50
174.0	0.00	0.0	-0.0	-0.0	0.00	572.50
175.0	0.00	0.0	-0.0	-0.0	0.00	572.50
176.0	0.00	0.0	-0.0	-0.0	0.00	572.50
177.0	0.00	0.0	-0.0	-0.0	0.00	572.50
178.0	0.00	0.0	-0.0	-0.0	0.00	572.50
179.0	0.00	0.0	-0.0	-0.0	0.00	572.50
180.0	0.00	0.0	-0.0	-0.0	0.00	572.50
181.0	0.00	0.0	-0.0	-0.0	0.00	572.50
182.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	-0.0	-0.0	0.00	572.50
184.0	0.00	0.0	-0.0	-0.0	0.00	572.50
185.0	0.00	0.0	-0.0	-0.0	0.00	572.50
186.0	0.00	0.0	-0.0	-0.0	0.00	572.50
187.0	0.00	0.0	-0.0	-0.0	0.00	572.50
188.0	0.00	0.0	-0.0	-0.0	0.00	572.50
189.0	0.00	0.0	-0.0	-0.0	0.00	572.50
190.0	0.00	0.0	-0.0	-0.0	0.00	572.50
191.0	0.00	0.0	-0.0	-0.0	0.00	572.50
192.0	0.00	0.0	-0.0	-0.0	0.00	572.50
193.0	0.00	0.0	-0.0	-0.0	0.00	572.50
194.0	0.00	0.0	-0.0	-0.0	0.00	572.50
195.0	0.00	0.0	-0.0	-0.0	0.00	572.50
196.0	0.00	0.0	-0.0	-0.0	0.00	572.50
197.0	0.00	0.0	-0.0	-0.0	0.00	572.50
198.0	0.00	0.0	-0.0	-0.0	0.00	572.50
199.0	0.00	0.0	-0.0	-0.0	0.00	572.50
200.0	0.00	0.0	-0.0	-0.0	0.00	572.50
201.0	0.00	0.0	-0.0	-0.0	0.00	572.50
202.0	0.00	0.0	-0.0	-0.0	0.00	572.50
203.0	0.00	0.0	-0.0	-0.0	0.00	572.50
204.0	0.00	0.0	-0.0	-0.0	0.00	572.50
205.0	0.00	0.0	-0.0	-0.0	0.00	572.50
206.0	0.00	0.0	-0.0	-0.0	0.00	572.50
207.0	0.00	0.0	-0.0	-0.0	0.00	572.50
208.0	0.00	0.0	-0.0	-0.0	0.00	572.50
209.0	0.00	0.0	-0.0	-0.0	0.00	572.50
210.0	0.00	0.0	-0.0	-0.0	0.00	572.50
211.0	0.00	0.0	-0.0	-0.0	0.00	572.50
212.0	0.00	0.0	-0.0	-0.0	0.00	572.50
213.0	0.00	0.0	-0.0	-0.0	0.00	572.50
214.0	0.00	0.0	-0.0	-0.0	0.00	572.50
215.0	0.00	0.0	-0.0	-0.0	0.00	572.50
216.0	0.00	0.0	-0.0	-0.0	0.00	572.50
217.0	0.00	0.0	-0.0	-0.0	0.00	572.50
218.0	0.00	0.0	-0.0	-0.0	0.00	572.50
219.0	0.00	0.0	-0.0	-0.0	0.00	572.50
220.0	0.00	0.0	-0.0	-0.0	0.00	572.50
221.0	0.00	0.0	-0.0	-0.0	0.00	572.50
222.0	0.00	0.0	-0.0	-0.0	0.00	572.50
223.0	0.00	0.0	-0.0	-0.0	0.00	572.50
224.0	0.00	0.0	-0.0	-0.0	0.00	572.50
225.0	0.00	0.0	-0.0	-0.0	0.00	572.50
226.0	0.00	0.0	-0.0	-0.0	0.00	572.50
227.0	0.00	0.0	-0.0	-0.0	0.00	572.50
228.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	572.50
230.0	0.00	0.0	-0.0	-0.0	0.00	572.50
231.0	0.00	0.0	-0.0	-0.0	0.00	572.50
232.0	0.00	0.0	-0.0	-0.0	0.00	572.50
233.0	0.00	0.0	-0.0	-0.0	0.00	572.50
234.0	0.00	0.0	-0.0	-0.0	0.00	572.50
235.0	0.00	0.0	-0.0	-0.0	0.00	572.50
236.0	0.00	0.0	-0.0	-0.0	0.00	572.50
237.0	0.00	0.0	-0.0	-0.0	0.00	572.50
238.0	0.00	0.0	-0.0	-0.0	0.00	572.50
239.0	0.00	0.0	-0.0	-0.0	0.00	572.50
240.0	0.00	0.0	-0.0	-0.0	0.00	572.50
241.0	0.00	0.0	-0.0	-0.0	0.00	572.50
242.0	0.00	0.0	-0.0	-0.0	0.00	572.50
243.0	0.00	0.0	-0.0	-0.0	0.00	572.50
244.0	0.00	0.0	-0.0	-0.0	0.00	572.50
245.0	0.00	0.0	-0.0	-0.0	0.00	572.50
246.0	0.00	0.0	-0.0	-0.0	0.00	572.50
247.0	0.00	0.0	-0.0	-0.0	0.00	572.50
248.0	0.00	0.0	-0.0	-0.0	0.00	572.50
249.0	0.00	0.0	-0.0	-0.0	0.00	572.50
250.0	0.00	0.0	-0.0	-0.0	0.00	572.50
251.0	0.00	0.0	-0.0	-0.0	0.00	572.50
252.0	0.00	0.0	-0.0	-0.0	0.00	572.50
253.0	0.00	0.0	-0.0	-0.0	0.00	572.50
254.0	0.00	0.0	-0.0	-0.0	0.00	572.50
255.0	0.00	0.0	-0.0	-0.0	0.00	572.50
256.0	0.00	0.0	-0.0	-0.0	0.00	572.50
257.0	0.00	0.0	-0.0	-0.0	0.00	572.50
258.0	0.00	0.0	-0.0	-0.0	0.00	572.50
259.0	0.00	0.0	-0.0	-0.0	0.00	572.50
260.0	0.00	0.0	-0.0	-0.0	0.00	572.50
261.0	0.00	0.0	-0.0	-0.0	0.00	572.50
262.0	0.00	0.0	-0.0	-0.0	0.00	572.50
263.0	0.00	0.0	-0.0	-0.0	0.00	572.50
264.0	0.00	0.0	-0.0	-0.0	0.00	572.50
265.0	0.00	0.0	-0.0	-0.0	0.00	572.50
266.0	0.00	0.0	-0.0	-0.0	0.00	572.50
267.0	0.00	0.0	-0.0	-0.0	0.00	572.50
268.0	0.00	0.0	-0.0	-0.0	0.00	572.50
269.0	0.00	0.0	-0.0	-0.0	0.00	572.50
270.0	0.00	0.0	-0.0	-0.0	0.00	572.50
271.0	0.00	0.0	-0.0	-0.0	0.00	572.50
272.0	0.00	0.0	-0.0	-0.0	0.00	572.50
273.0	0.00	0.0	-0.0	-0.0	0.00	572.50
274.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	572.50
276.0	0.00	0.0	-0.0	-0.0	0.00	572.50
277.0	0.00	0.0	-0.0	-0.0	0.00	572.50
278.0	0.00	0.0	-0.0	-0.0	0.00	572.50
279.0	0.00	0.0	-0.0	-0.0	0.00	572.50
280.0	0.00	0.0	-0.0	-0.0	0.00	572.50
281.0	0.00	0.0	-0.0	-0.0	0.00	572.50
282.0	0.00	0.0	-0.0	-0.0	0.00	572.50
283.0	0.00	0.0	-0.0	-0.0	0.00	572.50
284.0	0.00	0.0	-0.0	-0.0	0.00	572.50
285.0	0.00	0.0	-0.0	-0.0	0.00	572.50
286.0	0.00	0.0	-0.0	-0.0	0.00	572.50
287.0	0.00	0.0	-0.0	-0.0	0.00	572.50
288.0	0.00	0.0	-0.0	-0.0	0.00	572.50
289.0	0.00	0.0	-0.0	-0.0	0.00	572.50
290.0	0.00	0.0	-0.0	-0.0	0.00	572.50
291.0	0.00	0.0	-0.0	-0.0	0.00	572.50
292.0	0.00	0.0	-0.0	-0.0	0.00	572.50
293.0	0.00	0.0	-0.0	-0.0	0.00	572.50
294.0	0.00	0.0	-0.0	-0.0	0.00	572.50
295.0	0.00	0.0	-0.0	-0.0	0.00	572.50
296.0	0.00	0.0	-0.0	-0.0	0.00	572.50
297.0	0.00	0.0	-0.0	-0.0	0.00	572.50
298.0	0.00	0.0	-0.0	-0.0	0.00	572.50
299.0	0.00	0.0	-0.0	-0.0	0.00	572.50
300.0	0.00	0.0	-0.0	-0.0	0.00	572.50
301.0	0.00	0.0	-0.0	-0.0	0.00	572.50
302.0	0.00	0.0	-0.0	-0.0	0.00	572.50
303.0	0.00	0.0	-0.0	-0.0	0.00	572.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3A .PND
Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN315 .HYD

Starting Pond W.S. Elevation = 572.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 25.59 cfs
Peak Outflow = 14.82 cfs
Peak Elevation = 578.16 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 17,874 cu-ft

Total Storage in Pond = 17,874 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #3
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Inflow Hydrograph: j:\DATA\0312269\25BASIN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3A .PND

----INITIAL CONDITIONS----
 Elevation = 572.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.50	0.0	0	0.0	0.0
572.70	0.1	2	0.1	0.2
572.90	0.3	17	0.6	0.9
573.10	0.5	58	1.9	2.4
573.30	0.8	141	4.7	5.5
573.50	1.1	281	9.4	10.5
573.70	1.4	493	16.4	17.8
573.90	1.8	792	26.4	28.2
574.10	2.2	1,183	39.4	41.6
574.30	2.7	1,617	53.9	56.6
574.50	3.1	2,084	69.5	72.6
574.70	3.6	2,587	86.2	89.8
574.90	4.1	3,127	104.2	108.3
575.10	4.6	3,705	123.5	128.1
575.30	5.1	4,322	144.1	149.2
575.50	5.7	4,980	166.0	171.7
575.70	6.3	5,680	189.3	195.6
575.90	6.9	6,423	214.1	221.0
576.10	7.5	7,209	240.3	247.8
576.30	8.1	8,037	267.9	276.0
576.50	8.8	8,907	296.9	305.7
576.70	9.5	9,819	327.3	336.8
576.90	10.1	10,774	359.1	369.2
577.10	10.8	11,774	392.5	403.3
577.30	11.6	12,820	427.3	438.9
577.50	12.3	13,912	463.7	476.0
577.70	13.0	15,051	501.7	514.7
577.90	13.8	16,240	541.3	555.1
578.10	14.6	17,478	582.6	597.2
578.30	15.3	18,768	625.6	640.9
578.50	16.2	20,112	670.4	686.6

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
578.70	17.0	21,510
578.90	19.0	22,965
579.10	24.8	24,475
579.30	32.7	26,045
579.50	42.3	27,673
579.70	53.2	29,361
579.90	65.0	31,111
580.00	68.7	32,008

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
717.0	734.0
765.5	784.5
815.8	840.6
868.2	900.9
922.4	964.7
978.7	1031.9
1037.0	1102.0
1066.9	1135.6

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	572.50
1.0	6.31	6.3	4.6	6.3	0.85	573.33
2.0	12.62	18.9	20.3	23.5	1.62	573.81
3.0	18.94	31.6	46.8	51.9	2.54	574.24
4.0	25.25	44.2	83.7	91.0	3.63	574.71
5.0	31.56	56.8	130.7	140.5	4.89	575.22
6.0	31.56	63.1	181.3	193.8	6.26	575.69
7.0	31.56	63.1	229.6	244.5	7.43	576.08
8.0	31.56	63.1	275.7	292.7	8.49	576.41
9.0	31.56	63.1	319.8	338.9	9.54	576.71
10.0	31.56	63.1	362.1	382.9	10.38	576.98
11.0	31.56	63.1	402.7	425.3	11.29	577.22
12.0	31.56	63.1	441.6	465.8	12.11	577.44
13.0	31.56	63.1	479.1	504.7	12.82	577.65
14.0	31.56	63.1	515.1	542.2	13.54	577.84
15.0	31.56	63.1	549.7	578.2	14.24	578.01
16.0	31.56	63.1	583.2	612.9	14.85	578.17
17.0	31.56	63.1	615.5	646.3	15.41	578.32
18.0	31.56	63.1	646.5	678.6	16.04	578.46
19.0	31.56	63.1	676.4	709.6	16.59	578.60
20.0	31.56	63.1	705.1	739.6	17.22	578.72
21.0	25.25	56.8	725.7	761.9	18.11	578.81
22.0	18.94	44.2	733.1	769.9	18.42	578.84
23.0	12.62	31.6	728.2	764.6	18.21	578.82
24.0	6.31	18.9	712.1	747.1	17.52	578.75
25.0	0.00	6.3	684.9	718.4	16.74	578.63
26.0	0.00	0.0	652.6	684.9	16.17	578.49
27.0	0.00	0.0	621.5	652.6	15.53	578.35
28.0	0.00	0.0	591.5	621.5	14.99	578.21
29.0	0.00	0.0	562.6	591.5	14.49	578.07
30.0	0.00	0.0	534.7	562.6	13.94	577.94
31.0	0.00	0.0	507.9	534.7	13.40	577.80
32.0	0.00	0.0	482.1	507.9	12.88	577.66
33.0	0.00	0.0	457.3	482.1	12.41	577.53
34.0	0.00	0.0	433.4	457.3	11.95	577.40
35.0	0.00	0.0	410.5	433.4	11.48	577.27
36.0	0.00	0.0	388.5	410.5	10.96	577.14
37.0	0.00	0.0	367.6	388.5	10.50	577.01
38.0	0.00	0.0	347.4	367.6	10.07	576.89
39.0	0.00	0.0	328.0	347.4	9.70	576.77
40.0	0.00	0.0	309.4	328.0	9.30	576.64
41.0	0.00	0.0	291.6	309.4	8.88	576.52
42.0	0.00	0.0	274.7	291.6	8.47	576.41
43.0	0.00	0.0	258.6	274.7	8.07	576.29
44.0	0.00	0.0	243.1	258.6	7.73	576.18

and File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	228.3	243.1	7.39	576.06
46.0	0.00	0.0	214.2	228.3	7.06	575.95
47.0	0.00	0.0	200.7	214.2	6.74	575.85
48.0	0.00	0.0	187.9	200.7	6.42	575.74
49.0	0.00	0.0	175.7	187.9	6.11	575.64
50.0	0.00	0.0	164.1	175.7	5.80	575.53
51.0	0.00	0.0	153.1	164.1	5.50	575.43
52.0	0.00	0.0	142.7	153.1	5.20	575.33
53.0	0.00	0.0	132.8	142.7	4.95	575.24
54.0	0.00	0.0	123.3	132.8	4.71	575.14
55.0	0.00	0.0	114.4	123.3	4.48	575.05
56.0	0.00	0.0	105.9	114.4	4.25	574.96
57.0	0.00	0.0	97.8	105.9	4.03	574.87
58.0	0.00	0.0	90.2	97.8	3.82	574.79
59.0	0.00	0.0	83.0	90.2	3.61	574.70
60.0	0.00	0.0	76.2	83.0	3.40	574.62
61.0	0.00	0.0	69.8	76.2	3.20	574.54
62.0	0.00	0.0	63.7	69.8	3.03	574.46
63.0	0.00	0.0	57.9	63.7	2.88	574.39
64.0	0.00	0.0	52.5	57.9	2.73	574.32
65.0	0.00	0.0	47.3	52.5	2.56	574.25
66.0	0.00	0.0	42.6	47.3	2.39	574.18
67.0	0.00	0.0	38.1	42.6	2.23	574.11
68.0	0.00	0.0	33.9	38.1	2.09	574.05
69.0	0.00	0.0	30.0	33.9	1.97	573.99
70.0	0.00	0.0	26.3	30.0	1.85	573.93
71.0	0.00	0.0	22.8	26.3	1.73	573.86
72.0	0.00	0.0	19.6	22.8	1.59	573.80
73.0	0.00	0.0	16.7	19.6	1.47	573.73
74.0	0.00	0.0	14.0	16.7	1.35	573.67
75.0	0.00	0.0	11.5	14.0	1.24	573.60
76.0	0.00	0.0	9.2	11.5	1.14	573.53
77.0	0.00	0.0	7.2	9.2	1.03	573.45
78.0	0.00	0.0	5.4	7.2	0.90	573.37
79.0	0.00	0.0	3.8	5.4	0.79	573.29
80.0	0.00	0.0	2.5	3.8	0.63	573.19
81.0	0.00	0.0	1.5	2.5	0.51	573.11
82.0	0.00	0.0	0.7	1.5	0.38	572.98
83.0	0.00	0.0	0.2	0.7	0.26	572.86
84.0	0.00	0.0	-0.0	0.2	0.11	572.71
85.0	0.00	0.0	-0.0	-0.0	0.00	572.50
86.0	0.00	0.0	-0.0	-0.0	0.00	572.50
87.0	0.00	0.0	-0.0	-0.0	0.00	572.50
88.0	0.00	0.0	-0.0	-0.0	0.00	572.50
89.0	0.00	0.0	-0.0	-0.0	0.00	572.50
90.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	-0.0	-0.0	0.00	572.50
92.0	0.00	0.0	-0.0	-0.0	0.00	572.50
93.0	0.00	0.0	-0.0	-0.0	0.00	572.50
94.0	0.00	0.0	-0.0	-0.0	0.00	572.50
95.0	0.00	0.0	-0.0	-0.0	0.00	572.50
96.0	0.00	0.0	-0.0	-0.0	0.00	572.50
97.0	0.00	0.0	-0.0	-0.0	0.00	572.50
98.0	0.00	0.0	-0.0	-0.0	0.00	572.50
99.0	0.00	0.0	-0.0	-0.0	0.00	572.50
100.0	0.00	0.0	-0.0	-0.0	0.00	572.50
101.0	0.00	0.0	-0.0	-0.0	0.00	572.50
102.0	0.00	0.0	-0.0	-0.0	0.00	572.50
103.0	0.00	0.0	-0.0	-0.0	0.00	572.50
104.0	0.00	0.0	-0.0	-0.0	0.00	572.50
105.0	0.00	0.0	-0.0	-0.0	0.00	572.50
106.0	0.00	0.0	-0.0	-0.0	0.00	572.50
107.0	0.00	0.0	-0.0	-0.0	0.00	572.50
108.0	0.00	0.0	-0.0	-0.0	0.00	572.50
109.0	0.00	0.0	-0.0	-0.0	0.00	572.50
110.0	0.00	0.0	-0.0	-0.0	0.00	572.50
111.0	0.00	0.0	-0.0	-0.0	0.00	572.50
112.0	0.00	0.0	-0.0	-0.0	0.00	572.50
113.0	0.00	0.0	-0.0	-0.0	0.00	572.50
114.0	0.00	0.0	-0.0	-0.0	0.00	572.50
115.0	0.00	0.0	-0.0	-0.0	0.00	572.50
116.0	0.00	0.0	-0.0	-0.0	0.00	572.50
117.0	0.00	0.0	-0.0	-0.0	0.00	572.50
118.0	0.00	0.0	-0.0	-0.0	0.00	572.50
119.0	0.00	0.0	-0.0	-0.0	0.00	572.50
120.0	0.00	0.0	-0.0	-0.0	0.00	572.50
121.0	0.00	0.0	-0.0	-0.0	0.00	572.50
122.0	0.00	0.0	-0.0	-0.0	0.00	572.50
123.0	0.00	0.0	-0.0	-0.0	0.00	572.50
124.0	0.00	0.0	-0.0	-0.0	0.00	572.50
125.0	0.00	0.0	-0.0	-0.0	0.00	572.50
126.0	0.00	0.0	-0.0	-0.0	0.00	572.50
127.0	0.00	0.0	-0.0	-0.0	0.00	572.50
128.0	0.00	0.0	-0.0	-0.0	0.00	572.50
129.0	0.00	0.0	-0.0	-0.0	0.00	572.50
130.0	0.00	0.0	-0.0	-0.0	0.00	572.50
131.0	0.00	0.0	-0.0	-0.0	0.00	572.50
132.0	0.00	0.0	-0.0	-0.0	0.00	572.50
133.0	0.00	0.0	-0.0	-0.0	0.00	572.50
134.0	0.00	0.0	-0.0	-0.0	0.00	572.50
135.0	0.00	0.0	-0.0	-0.0	0.00	572.50
136.0	0.00	0.0	-0.0	-0.0	0.00	572.50

Input File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	-0.0	-0.0	0.00	572.50
138.0	0.00	0.0	-0.0	-0.0	0.00	572.50
139.0	0.00	0.0	-0.0	-0.0	0.00	572.50
140.0	0.00	0.0	-0.0	-0.0	0.00	572.50
141.0	0.00	0.0	-0.0	-0.0	0.00	572.50
142.0	0.00	0.0	-0.0	-0.0	0.00	572.50
143.0	0.00	0.0	-0.0	-0.0	0.00	572.50
144.0	0.00	0.0	-0.0	-0.0	0.00	572.50
145.0	0.00	0.0	-0.0	-0.0	0.00	572.50
146.0	0.00	0.0	-0.0	-0.0	0.00	572.50
147.0	0.00	0.0	-0.0	-0.0	0.00	572.50
148.0	0.00	0.0	-0.0	-0.0	0.00	572.50
149.0	0.00	0.0	-0.0	-0.0	0.00	572.50
150.0	0.00	0.0	-0.0	-0.0	0.00	572.50
151.0	0.00	0.0	-0.0	-0.0	0.00	572.50
152.0	0.00	0.0	-0.0	-0.0	0.00	572.50
153.0	0.00	0.0	-0.0	-0.0	0.00	572.50
154.0	0.00	0.0	-0.0	-0.0	0.00	572.50
155.0	0.00	0.0	-0.0	-0.0	0.00	572.50
156.0	0.00	0.0	-0.0	-0.0	0.00	572.50
157.0	0.00	0.0	-0.0	-0.0	0.00	572.50
158.0	0.00	0.0	-0.0	-0.0	0.00	572.50
159.0	0.00	0.0	-0.0	-0.0	0.00	572.50
160.0	0.00	0.0	-0.0	-0.0	0.00	572.50
161.0	0.00	0.0	-0.0	-0.0	0.00	572.50
162.0	0.00	0.0	-0.0	-0.0	0.00	572.50
163.0	0.00	0.0	-0.0	-0.0	0.00	572.50
164.0	0.00	0.0	-0.0	-0.0	0.00	572.50
165.0	0.00	0.0	-0.0	-0.0	0.00	572.50
166.0	0.00	0.0	-0.0	-0.0	0.00	572.50
167.0	0.00	0.0	-0.0	-0.0	0.00	572.50
168.0	0.00	0.0	-0.0	-0.0	0.00	572.50
169.0	0.00	0.0	-0.0	-0.0	0.00	572.50
170.0	0.00	0.0	-0.0	-0.0	0.00	572.50
171.0	0.00	0.0	-0.0	-0.0	0.00	572.50
172.0	0.00	0.0	-0.0	-0.0	0.00	572.50
173.0	0.00	0.0	-0.0	-0.0	0.00	572.50
174.0	0.00	0.0	-0.0	-0.0	0.00	572.50
175.0	0.00	0.0	-0.0	-0.0	0.00	572.50
176.0	0.00	0.0	-0.0	-0.0	0.00	572.50
177.0	0.00	0.0	-0.0	-0.0	0.00	572.50
178.0	0.00	0.0	-0.0	-0.0	0.00	572.50
179.0	0.00	0.0	-0.0	-0.0	0.00	572.50
180.0	0.00	0.0	-0.0	-0.0	0.00	572.50
181.0	0.00	0.0	-0.0	-0.0	0.00	572.50
182.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	-0.0	-0.0	0.00	572.50
184.0	0.00	0.0	-0.0	-0.0	0.00	572.50
185.0	0.00	0.0	-0.0	-0.0	0.00	572.50
186.0	0.00	0.0	-0.0	-0.0	0.00	572.50
187.0	0.00	0.0	-0.0	-0.0	0.00	572.50
188.0	0.00	0.0	-0.0	-0.0	0.00	572.50
189.0	0.00	0.0	-0.0	-0.0	0.00	572.50
190.0	0.00	0.0	-0.0	-0.0	0.00	572.50
191.0	0.00	0.0	-0.0	-0.0	0.00	572.50
192.0	0.00	0.0	-0.0	-0.0	0.00	572.50
193.0	0.00	0.0	-0.0	-0.0	0.00	572.50
194.0	0.00	0.0	-0.0	-0.0	0.00	572.50
195.0	0.00	0.0	-0.0	-0.0	0.00	572.50
196.0	0.00	0.0	-0.0	-0.0	0.00	572.50
197.0	0.00	0.0	-0.0	-0.0	0.00	572.50
198.0	0.00	0.0	-0.0	-0.0	0.00	572.50
199.0	0.00	0.0	-0.0	-0.0	0.00	572.50
200.0	0.00	0.0	-0.0	-0.0	0.00	572.50
201.0	0.00	0.0	-0.0	-0.0	0.00	572.50
202.0	0.00	0.0	-0.0	-0.0	0.00	572.50
203.0	0.00	0.0	-0.0	-0.0	0.00	572.50
204.0	0.00	0.0	-0.0	-0.0	0.00	572.50
205.0	0.00	0.0	-0.0	-0.0	0.00	572.50
206.0	0.00	0.0	-0.0	-0.0	0.00	572.50
207.0	0.00	0.0	-0.0	-0.0	0.00	572.50
208.0	0.00	0.0	-0.0	-0.0	0.00	572.50
209.0	0.00	0.0	-0.0	-0.0	0.00	572.50
210.0	0.00	0.0	-0.0	-0.0	0.00	572.50
211.0	0.00	0.0	-0.0	-0.0	0.00	572.50
212.0	0.00	0.0	-0.0	-0.0	0.00	572.50
213.0	0.00	0.0	-0.0	-0.0	0.00	572.50
214.0	0.00	0.0	-0.0	-0.0	0.00	572.50
215.0	0.00	0.0	-0.0	-0.0	0.00	572.50
216.0	0.00	0.0	-0.0	-0.0	0.00	572.50
217.0	0.00	0.0	-0.0	-0.0	0.00	572.50
218.0	0.00	0.0	-0.0	-0.0	0.00	572.50
219.0	0.00	0.0	-0.0	-0.0	0.00	572.50
220.0	0.00	0.0	-0.0	-0.0	0.00	572.50
221.0	0.00	0.0	-0.0	-0.0	0.00	572.50
222.0	0.00	0.0	-0.0	-0.0	0.00	572.50
223.0	0.00	0.0	-0.0	-0.0	0.00	572.50
224.0	0.00	0.0	-0.0	-0.0	0.00	572.50
225.0	0.00	0.0	-0.0	-0.0	0.00	572.50
226.0	0.00	0.0	-0.0	-0.0	0.00	572.50
227.0	0.00	0.0	-0.0	-0.0	0.00	572.50
228.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	572.50
230.0	0.00	0.0	-0.0	-0.0	0.00	572.50
231.0	0.00	0.0	-0.0	-0.0	0.00	572.50
232.0	0.00	0.0	-0.0	-0.0	0.00	572.50
233.0	0.00	0.0	-0.0	-0.0	0.00	572.50
234.0	0.00	0.0	-0.0	-0.0	0.00	572.50
235.0	0.00	0.0	-0.0	-0.0	0.00	572.50
236.0	0.00	0.0	-0.0	-0.0	0.00	572.50
237.0	0.00	0.0	-0.0	-0.0	0.00	572.50
238.0	0.00	0.0	-0.0	-0.0	0.00	572.50
239.0	0.00	0.0	-0.0	-0.0	0.00	572.50
240.0	0.00	0.0	-0.0	-0.0	0.00	572.50
241.0	0.00	0.0	-0.0	-0.0	0.00	572.50
242.0	0.00	0.0	-0.0	-0.0	0.00	572.50
243.0	0.00	0.0	-0.0	-0.0	0.00	572.50
244.0	0.00	0.0	-0.0	-0.0	0.00	572.50
245.0	0.00	0.0	-0.0	-0.0	0.00	572.50
246.0	0.00	0.0	-0.0	-0.0	0.00	572.50
247.0	0.00	0.0	-0.0	-0.0	0.00	572.50
248.0	0.00	0.0	-0.0	-0.0	0.00	572.50
249.0	0.00	0.0	-0.0	-0.0	0.00	572.50
250.0	0.00	0.0	-0.0	-0.0	0.00	572.50
251.0	0.00	0.0	-0.0	-0.0	0.00	572.50
252.0	0.00	0.0	-0.0	-0.0	0.00	572.50
253.0	0.00	0.0	-0.0	-0.0	0.00	572.50
254.0	0.00	0.0	-0.0	-0.0	0.00	572.50
255.0	0.00	0.0	-0.0	-0.0	0.00	572.50
256.0	0.00	0.0	-0.0	-0.0	0.00	572.50
257.0	0.00	0.0	-0.0	-0.0	0.00	572.50
258.0	0.00	0.0	-0.0	-0.0	0.00	572.50
259.0	0.00	0.0	-0.0	-0.0	0.00	572.50
260.0	0.00	0.0	-0.0	-0.0	0.00	572.50
261.0	0.00	0.0	-0.0	-0.0	0.00	572.50
262.0	0.00	0.0	-0.0	-0.0	0.00	572.50
263.0	0.00	0.0	-0.0	-0.0	0.00	572.50
264.0	0.00	0.0	-0.0	-0.0	0.00	572.50
265.0	0.00	0.0	-0.0	-0.0	0.00	572.50
266.0	0.00	0.0	-0.0	-0.0	0.00	572.50
267.0	0.00	0.0	-0.0	-0.0	0.00	572.50
268.0	0.00	0.0	-0.0	-0.0	0.00	572.50
269.0	0.00	0.0	-0.0	-0.0	0.00	572.50
270.0	0.00	0.0	-0.0	-0.0	0.00	572.50
271.0	0.00	0.0	-0.0	-0.0	0.00	572.50
272.0	0.00	0.0	-0.0	-0.0	0.00	572.50
273.0	0.00	0.0	-0.0	-0.0	0.00	572.50
274.0	0.00	0.0	-0.0	-0.0	0.00	572.50

and File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	572.50
276.0	0.00	0.0	-0.0	-0.0	0.00	572.50
277.0	0.00	0.0	-0.0	-0.0	0.00	572.50
278.0	0.00	0.0	-0.0	-0.0	0.00	572.50
279.0	0.00	0.0	-0.0	-0.0	0.00	572.50
280.0	0.00	0.0	-0.0	-0.0	0.00	572.50
281.0	0.00	0.0	-0.0	-0.0	0.00	572.50
282.0	0.00	0.0	-0.0	-0.0	0.00	572.50
283.0	0.00	0.0	-0.0	-0.0	0.00	572.50
284.0	0.00	0.0	-0.0	-0.0	0.00	572.50
285.0	0.00	0.0	-0.0	-0.0	0.00	572.50
286.0	0.00	0.0	-0.0	-0.0	0.00	572.50
287.0	0.00	0.0	-0.0	-0.0	0.00	572.50
288.0	0.00	0.0	-0.0	-0.0	0.00	572.50
289.0	0.00	0.0	-0.0	-0.0	0.00	572.50
290.0	0.00	0.0	-0.0	-0.0	0.00	572.50
291.0	0.00	0.0	-0.0	-0.0	0.00	572.50
292.0	0.00	0.0	-0.0	-0.0	0.00	572.50
293.0	0.00	0.0	-0.0	-0.0	0.00	572.50
294.0	0.00	0.0	-0.0	-0.0	0.00	572.50
295.0	0.00	0.0	-0.0	-0.0	0.00	572.50
296.0	0.00	0.0	-0.0	-0.0	0.00	572.50
297.0	0.00	0.0	-0.0	-0.0	0.00	572.50
298.0	0.00	0.0	-0.0	-0.0	0.00	572.50
299.0	0.00	0.0	-0.0	-0.0	0.00	572.50
300.0	0.00	0.0	-0.0	-0.0	0.00	572.50
301.0	0.00	0.0	-0.0	-0.0	0.00	572.50
302.0	0.00	0.0	-0.0	-0.0	0.00	572.50
303.0	0.00	0.0	-0.0	-0.0	0.00	572.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3A .PND
Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN325 .HYD

Starting Pond W.S. Elevation = 572.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 31.56 cfs
Peak Outflow = 18.42 cfs
Peak Elevation = 578.84 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 22,545 cu-ft

Total Storage in Pond = 22,545 cu-ft

 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #3 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Rating Table file: j:\DATA\0312269\BASIN3A .PND

----INITIAL CONDITIONS----
 Elevation = 572.50 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.50	0.0	0	0.0	0.0
572.70	0.1	2	0.1	0.2
572.90	0.3	17	0.6	0.9
573.10	0.5	58	1.9	2.4
573.30	0.8	141	4.7	5.5
573.50	1.1	281	9.4	10.5
573.70	1.4	493	16.4	17.8
573.90	1.8	792	26.4	28.2
574.10	2.2	1,183	39.4	41.6
574.30	2.7	1,617	53.9	56.6
574.50	3.1	2,084	69.5	72.6
574.70	3.6	2,587	86.2	89.8
574.90	4.1	3,127	104.2	108.3
575.10	4.6	3,705	123.5	128.1
575.30	5.1	4,322	144.1	149.2
575.50	5.7	4,980	166.0	171.7
575.70	6.3	5,680	189.3	195.6
575.90	6.9	6,423	214.1	221.0
576.10	7.5	7,209	240.3	247.8
576.30	8.1	8,037	267.9	276.0
576.50	8.8	8,907	296.9	305.7
576.70	9.5	9,819	327.3	336.8
576.90	10.1	10,774	359.1	369.2
577.10	10.8	11,774	392.5	403.3
577.30	11.6	12,820	427.3	438.9
577.50	12.3	13,912	463.7	476.0
577.70	13.0	15,051	501.7	514.7
577.90	13.8	16,240	541.3	555.1
578.10	14.6	17,478	582.6	597.2
578.30	15.3	18,768	625.6	640.9
578.50	16.2	20,112	670.4	686.6

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
578.70	17.0	21,510
578.90	19.0	22,965
579.10	24.8	24,475
579.30	32.7	26,045
579.50	42.3	27,673
579.70	53.2	29,361
579.90	65.0	31,111
580.00	68.7	32,008

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
717.0	734.0
765.5	784.5
815.8	840.6
868.2	900.9
922.4	964.7
978.7	1031.9
1037.0	1102.0
1066.9	1135.6

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	572.50
1.0	8.10	8.1	6.2	8.1	0.96	573.41
2.0	16.21	24.3	26.8	30.5	1.87	573.93
3.0	24.31	40.5	61.3	67.3	2.97	574.43
4.0	32.42	56.7	109.4	118.1	4.35	575.00
5.0	40.52	72.9	170.4	182.3	5.97	575.59
6.0	40.52	81.0	236.3	251.4	7.58	576.13
7.0	40.52	81.0	299.2	317.3	9.06	576.57
8.0	40.52	81.0	359.6	380.2	10.33	576.96
9.0	40.52	81.0	417.4	440.6	11.63	577.31
10.0	40.52	81.0	473.0	498.4	12.70	577.62
11.0	40.52	81.0	526.5	554.0	13.78	577.89
12.0	40.52	81.0	578.0	607.5	14.77	578.15
13.0	40.52	81.0	627.7	659.0	15.66	578.38
14.0	40.52	81.0	675.6	708.7	16.57	578.59
15.0	40.52	81.0	720.8	756.6	17.90	578.79
16.0	40.52	81.0	760.3	801.9	20.80	578.96
17.0	40.52	81.0	791.6	841.3	24.89	579.10
18.0	40.52	81.0	814.6	872.6	28.99	579.21
19.0	40.52	81.0	831.6	895.6	32.02	579.28
20.0	40.52	81.0	843.7	912.7	34.47	579.34
21.0	32.42	72.9	846.5	916.7	35.07	579.35
22.0	24.31	56.7	837.1	903.2	33.06	579.31
23.0	16.21	40.5	818.3	877.6	29.65	579.22
24.0	8.10	24.3	792.5	842.6	25.06	579.11
25.0	0.00	8.1	759.3	800.6	20.67	578.96
26.0	0.00	0.0	723.3	759.3	18.00	578.80
27.0	0.00	0.0	689.6	723.3	16.82	578.65
28.0	0.00	0.0	657.1	689.6	16.25	578.51
29.0	0.00	0.0	625.9	657.1	15.62	578.37
30.0	0.00	0.0	595.8	625.9	15.06	578.23
31.0	0.00	0.0	566.6	595.8	14.57	578.09
32.0	0.00	0.0	538.6	566.6	14.02	577.95
33.0	0.00	0.0	511.7	538.6	13.47	577.82
34.0	0.00	0.0	485.8	511.7	12.94	577.68
35.0	0.00	0.0	460.8	485.8	12.48	577.55
36.0	0.00	0.0	436.8	460.8	12.01	577.42
37.0	0.00	0.0	413.7	436.8	11.55	577.29
38.0	0.00	0.0	391.6	413.7	11.03	577.16
39.0	0.00	0.0	370.5	391.6	10.56	577.03
40.0	0.00	0.0	350.2	370.5	10.13	576.91
41.0	0.00	0.0	330.7	350.2	9.75	576.78
42.0	0.00	0.0	312.0	330.7	9.36	576.66
43.0	0.00	0.0	294.1	312.0	8.94	576.54
44.0	0.00	0.0	277.1	294.1	8.53	576.42

wd File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	260.8	277.1	8.13	576.31
46.0	0.00	0.0	245.3	260.8	7.78	576.19
47.0	0.00	0.0	230.4	245.3	7.44	576.08
48.0	0.00	0.0	216.2	230.4	7.11	575.97
49.0	0.00	0.0	202.6	216.2	6.79	575.86
50.0	0.00	0.0	189.7	202.6	6.46	575.75
51.0	0.00	0.0	177.4	189.7	6.15	575.65
52.0	0.00	0.0	165.7	177.4	5.84	575.55
53.0	0.00	0.0	154.6	165.7	5.54	575.45
54.0	0.00	0.0	144.1	154.6	5.24	575.35
55.0	0.00	0.0	134.2	144.1	4.98	575.25
56.0	0.00	0.0	124.7	134.2	4.74	575.16
57.0	0.00	0.0	115.6	124.7	4.51	575.07
58.0	0.00	0.0	107.1	115.6	4.28	574.97
59.0	0.00	0.0	98.9	107.1	4.07	574.89
60.0	0.00	0.0	91.2	98.9	3.85	574.80
61.0	0.00	0.0	84.0	91.2	3.64	574.72
62.0	0.00	0.0	77.1	84.0	3.43	574.63
63.0	0.00	0.0	70.6	77.1	3.23	574.55
64.0	0.00	0.0	64.5	70.6	3.05	574.48
65.0	0.00	0.0	58.7	64.5	2.90	574.40
66.0	0.00	0.0	53.2	58.7	2.75	574.33
67.0	0.00	0.0	48.1	53.2	2.59	574.26
68.0	0.00	0.0	43.2	48.1	2.41	574.19
69.0	0.00	0.0	38.7	43.2	2.25	574.12
70.0	0.00	0.0	34.5	38.7	2.11	574.06
71.0	0.00	0.0	30.5	34.5	1.99	573.99
72.0	0.00	0.0	26.8	30.5	1.87	573.93
73.0	0.00	0.0	23.3	26.8	1.75	573.87
74.0	0.00	0.0	20.1	23.3	1.61	573.81
75.0	0.00	0.0	17.1	20.1	1.49	573.74
76.0	0.00	0.0	14.4	17.1	1.37	573.68
77.0	0.00	0.0	11.8	14.4	1.26	573.61
78.0	0.00	0.0	9.5	11.8	1.16	573.54
79.0	0.00	0.0	7.4	9.5	1.04	573.46
80.0	0.00	0.0	5.6	7.4	0.92	573.38
81.0	0.00	0.0	4.0	5.6	0.81	573.30
82.0	0.00	0.0	2.7	4.0	0.65	573.20
83.0	0.00	0.0	1.6	2.7	0.52	573.12
84.0	0.00	0.0	0.8	1.6	0.40	573.00
85.0	0.00	0.0	0.3	0.8	0.29	572.89
86.0	0.00	0.0	0.0	0.3	0.12	572.72
87.0	0.00	0.0	-0.0	0.0	0.00	572.51
88.0	0.00	0.0	-0.0	-0.0	0.00	572.50
89.0	0.00	0.0	-0.0	-0.0	0.00	572.50
90.0	0.00	0.0	-0.0	-0.0	0.00	572.50

nd File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	-0.0	-0.0	0.00	572.50
92.0	0.00	0.0	-0.0	-0.0	0.00	572.50
93.0	0.00	0.0	-0.0	-0.0	0.00	572.50
94.0	0.00	0.0	-0.0	-0.0	0.00	572.50
95.0	0.00	0.0	-0.0	-0.0	0.00	572.50
96.0	0.00	0.0	-0.0	-0.0	0.00	572.50
97.0	0.00	0.0	-0.0	-0.0	0.00	572.50
98.0	0.00	0.0	-0.0	-0.0	0.00	572.50
99.0	0.00	0.0	-0.0	-0.0	0.00	572.50
100.0	0.00	0.0	-0.0	-0.0	0.00	572.50
101.0	0.00	0.0	-0.0	-0.0	0.00	572.50
102.0	0.00	0.0	-0.0	-0.0	0.00	572.50
103.0	0.00	0.0	-0.0	-0.0	0.00	572.50
104.0	0.00	0.0	-0.0	-0.0	0.00	572.50
105.0	0.00	0.0	-0.0	-0.0	0.00	572.50
106.0	0.00	0.0	-0.0	-0.0	0.00	572.50
107.0	0.00	0.0	-0.0	-0.0	0.00	572.50
108.0	0.00	0.0	-0.0	-0.0	0.00	572.50
109.0	0.00	0.0	-0.0	-0.0	0.00	572.50
110.0	0.00	0.0	-0.0	-0.0	0.00	572.50
111.0	0.00	0.0	-0.0	-0.0	0.00	572.50
112.0	0.00	0.0	-0.0	-0.0	0.00	572.50
113.0	0.00	0.0	-0.0	-0.0	0.00	572.50
114.0	0.00	0.0	-0.0	-0.0	0.00	572.50
115.0	0.00	0.0	-0.0	-0.0	0.00	572.50
116.0	0.00	0.0	-0.0	-0.0	0.00	572.50
117.0	0.00	0.0	-0.0	-0.0	0.00	572.50
118.0	0.00	0.0	-0.0	-0.0	0.00	572.50
119.0	0.00	0.0	-0.0	-0.0	0.00	572.50
120.0	0.00	0.0	-0.0	-0.0	0.00	572.50
121.0	0.00	0.0	-0.0	-0.0	0.00	572.50
122.0	0.00	0.0	-0.0	-0.0	0.00	572.50
123.0	0.00	0.0	-0.0	-0.0	0.00	572.50
124.0	0.00	0.0	-0.0	-0.0	0.00	572.50
125.0	0.00	0.0	-0.0	-0.0	0.00	572.50
126.0	0.00	0.0	-0.0	-0.0	0.00	572.50
127.0	0.00	0.0	-0.0	-0.0	0.00	572.50
128.0	0.00	0.0	-0.0	-0.0	0.00	572.50
129.0	0.00	0.0	-0.0	-0.0	0.00	572.50
130.0	0.00	0.0	-0.0	-0.0	0.00	572.50
131.0	0.00	0.0	-0.0	-0.0	0.00	572.50
132.0	0.00	0.0	-0.0	-0.0	0.00	572.50
133.0	0.00	0.0	-0.0	-0.0	0.00	572.50
134.0	0.00	0.0	-0.0	-0.0	0.00	572.50
135.0	0.00	0.0	-0.0	-0.0	0.00	572.50
136.0	0.00	0.0	-0.0	-0.0	0.00	572.50

nd File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	-0.0	-0.0	0.00	572.50
138.0	0.00	0.0	-0.0	-0.0	0.00	572.50
139.0	0.00	0.0	-0.0	-0.0	0.00	572.50
140.0	0.00	0.0	-0.0	-0.0	0.00	572.50
141.0	0.00	0.0	-0.0	-0.0	0.00	572.50
142.0	0.00	0.0	-0.0	-0.0	0.00	572.50
143.0	0.00	0.0	-0.0	-0.0	0.00	572.50
144.0	0.00	0.0	-0.0	-0.0	0.00	572.50
145.0	0.00	0.0	-0.0	-0.0	0.00	572.50
146.0	0.00	0.0	-0.0	-0.0	0.00	572.50
147.0	0.00	0.0	-0.0	-0.0	0.00	572.50
148.0	0.00	0.0	-0.0	-0.0	0.00	572.50
149.0	0.00	0.0	-0.0	-0.0	0.00	572.50
150.0	0.00	0.0	-0.0	-0.0	0.00	572.50
151.0	0.00	0.0	-0.0	-0.0	0.00	572.50
152.0	0.00	0.0	-0.0	-0.0	0.00	572.50
153.0	0.00	0.0	-0.0	-0.0	0.00	572.50
154.0	0.00	0.0	-0.0	-0.0	0.00	572.50
155.0	0.00	0.0	-0.0	-0.0	0.00	572.50
156.0	0.00	0.0	-0.0	-0.0	0.00	572.50
157.0	0.00	0.0	-0.0	-0.0	0.00	572.50
158.0	0.00	0.0	-0.0	-0.0	0.00	572.50
159.0	0.00	0.0	-0.0	-0.0	0.00	572.50
160.0	0.00	0.0	-0.0	-0.0	0.00	572.50
161.0	0.00	0.0	-0.0	-0.0	0.00	572.50
162.0	0.00	0.0	-0.0	-0.0	0.00	572.50
163.0	0.00	0.0	-0.0	-0.0	0.00	572.50
164.0	0.00	0.0	-0.0	-0.0	0.00	572.50
165.0	0.00	0.0	-0.0	-0.0	0.00	572.50
166.0	0.00	0.0	-0.0	-0.0	0.00	572.50
167.0	0.00	0.0	-0.0	-0.0	0.00	572.50
168.0	0.00	0.0	-0.0	-0.0	0.00	572.50
169.0	0.00	0.0	-0.0	-0.0	0.00	572.50
170.0	0.00	0.0	-0.0	-0.0	0.00	572.50
171.0	0.00	0.0	-0.0	-0.0	0.00	572.50
172.0	0.00	0.0	-0.0	-0.0	0.00	572.50
173.0	0.00	0.0	-0.0	-0.0	0.00	572.50
174.0	0.00	0.0	-0.0	-0.0	0.00	572.50
175.0	0.00	0.0	-0.0	-0.0	0.00	572.50
176.0	0.00	0.0	-0.0	-0.0	0.00	572.50
177.0	0.00	0.0	-0.0	-0.0	0.00	572.50
178.0	0.00	0.0	-0.0	-0.0	0.00	572.50
179.0	0.00	0.0	-0.0	-0.0	0.00	572.50
180.0	0.00	0.0	-0.0	-0.0	0.00	572.50
181.0	0.00	0.0	-0.0	-0.0	0.00	572.50
182.0	0.00	0.0	-0.0	-0.0	0.00	572.50

and File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	-0.0	-0.0	0.00	572.50
184.0	0.00	0.0	-0.0	-0.0	0.00	572.50
185.0	0.00	0.0	-0.0	-0.0	0.00	572.50
186.0	0.00	0.0	-0.0	-0.0	0.00	572.50
187.0	0.00	0.0	-0.0	-0.0	0.00	572.50
188.0	0.00	0.0	-0.0	-0.0	0.00	572.50
189.0	0.00	0.0	-0.0	-0.0	0.00	572.50
190.0	0.00	0.0	-0.0	-0.0	0.00	572.50
191.0	0.00	0.0	-0.0	-0.0	0.00	572.50
192.0	0.00	0.0	-0.0	-0.0	0.00	572.50
193.0	0.00	0.0	-0.0	-0.0	0.00	572.50
194.0	0.00	0.0	-0.0	-0.0	0.00	572.50
195.0	0.00	0.0	-0.0	-0.0	0.00	572.50
196.0	0.00	0.0	-0.0	-0.0	0.00	572.50
197.0	0.00	0.0	-0.0	-0.0	0.00	572.50
198.0	0.00	0.0	-0.0	-0.0	0.00	572.50
199.0	0.00	0.0	-0.0	-0.0	0.00	572.50
200.0	0.00	0.0	-0.0	-0.0	0.00	572.50
201.0	0.00	0.0	-0.0	-0.0	0.00	572.50
202.0	0.00	0.0	-0.0	-0.0	0.00	572.50
203.0	0.00	0.0	-0.0	-0.0	0.00	572.50
204.0	0.00	0.0	-0.0	-0.0	0.00	572.50
205.0	0.00	0.0	-0.0	-0.0	0.00	572.50
206.0	0.00	0.0	-0.0	-0.0	0.00	572.50
207.0	0.00	0.0	-0.0	-0.0	0.00	572.50
208.0	0.00	0.0	-0.0	-0.0	0.00	572.50
209.0	0.00	0.0	-0.0	-0.0	0.00	572.50
210.0	0.00	0.0	-0.0	-0.0	0.00	572.50
211.0	0.00	0.0	-0.0	-0.0	0.00	572.50
212.0	0.00	0.0	-0.0	-0.0	0.00	572.50
213.0	0.00	0.0	-0.0	-0.0	0.00	572.50
214.0	0.00	0.0	-0.0	-0.0	0.00	572.50
215.0	0.00	0.0	-0.0	-0.0	0.00	572.50
216.0	0.00	0.0	-0.0	-0.0	0.00	572.50
217.0	0.00	0.0	-0.0	-0.0	0.00	572.50
218.0	0.00	0.0	-0.0	-0.0	0.00	572.50
219.0	0.00	0.0	-0.0	-0.0	0.00	572.50
220.0	0.00	0.0	-0.0	-0.0	0.00	572.50
221.0	0.00	0.0	-0.0	-0.0	0.00	572.50
222.0	0.00	0.0	-0.0	-0.0	0.00	572.50
223.0	0.00	0.0	-0.0	-0.0	0.00	572.50
224.0	0.00	0.0	-0.0	-0.0	0.00	572.50
225.0	0.00	0.0	-0.0	-0.0	0.00	572.50
226.0	0.00	0.0	-0.0	-0.0	0.00	572.50
227.0	0.00	0.0	-0.0	-0.0	0.00	572.50
228.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	572.50
230.0	0.00	0.0	-0.0	-0.0	0.00	572.50
231.0	0.00	0.0	-0.0	-0.0	0.00	572.50
232.0	0.00	0.0	-0.0	-0.0	0.00	572.50
233.0	0.00	0.0	-0.0	-0.0	0.00	572.50
234.0	0.00	0.0	-0.0	-0.0	0.00	572.50
235.0	0.00	0.0	-0.0	-0.0	0.00	572.50
236.0	0.00	0.0	-0.0	-0.0	0.00	572.50
237.0	0.00	0.0	-0.0	-0.0	0.00	572.50
238.0	0.00	0.0	-0.0	-0.0	0.00	572.50
239.0	0.00	0.0	-0.0	-0.0	0.00	572.50
240.0	0.00	0.0	-0.0	-0.0	0.00	572.50
241.0	0.00	0.0	-0.0	-0.0	0.00	572.50
242.0	0.00	0.0	-0.0	-0.0	0.00	572.50
243.0	0.00	0.0	-0.0	-0.0	0.00	572.50
244.0	0.00	0.0	-0.0	-0.0	0.00	572.50
245.0	0.00	0.0	-0.0	-0.0	0.00	572.50
246.0	0.00	0.0	-0.0	-0.0	0.00	572.50
247.0	0.00	0.0	-0.0	-0.0	0.00	572.50
248.0	0.00	0.0	-0.0	-0.0	0.00	572.50
249.0	0.00	0.0	-0.0	-0.0	0.00	572.50
250.0	0.00	0.0	-0.0	-0.0	0.00	572.50
251.0	0.00	0.0	-0.0	-0.0	0.00	572.50
252.0	0.00	0.0	-0.0	-0.0	0.00	572.50
253.0	0.00	0.0	-0.0	-0.0	0.00	572.50
254.0	0.00	0.0	-0.0	-0.0	0.00	572.50
255.0	0.00	0.0	-0.0	-0.0	0.00	572.50
256.0	0.00	0.0	-0.0	-0.0	0.00	572.50
257.0	0.00	0.0	-0.0	-0.0	0.00	572.50
258.0	0.00	0.0	-0.0	-0.0	0.00	572.50
259.0	0.00	0.0	-0.0	-0.0	0.00	572.50
260.0	0.00	0.0	-0.0	-0.0	0.00	572.50
261.0	0.00	0.0	-0.0	-0.0	0.00	572.50
262.0	0.00	0.0	-0.0	-0.0	0.00	572.50
263.0	0.00	0.0	-0.0	-0.0	0.00	572.50
264.0	0.00	0.0	-0.0	-0.0	0.00	572.50
265.0	0.00	0.0	-0.0	-0.0	0.00	572.50
266.0	0.00	0.0	-0.0	-0.0	0.00	572.50
267.0	0.00	0.0	-0.0	-0.0	0.00	572.50
268.0	0.00	0.0	-0.0	-0.0	0.00	572.50
269.0	0.00	0.0	-0.0	-0.0	0.00	572.50
270.0	0.00	0.0	-0.0	-0.0	0.00	572.50
271.0	0.00	0.0	-0.0	-0.0	0.00	572.50
272.0	0.00	0.0	-0.0	-0.0	0.00	572.50
273.0	0.00	0.0	-0.0	-0.0	0.00	572.50
274.0	0.00	0.0	-0.0	-0.0	0.00	572.50

id File: j:\DATA\0312269\BASIN3A .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	572.50
276.0	0.00	0.0	-0.0	-0.0	0.00	572.50
277.0	0.00	0.0	-0.0	-0.0	0.00	572.50
278.0	0.00	0.0	-0.0	-0.0	0.00	572.50
279.0	0.00	0.0	-0.0	-0.0	0.00	572.50
280.0	0.00	0.0	-0.0	-0.0	0.00	572.50
281.0	0.00	0.0	-0.0	-0.0	0.00	572.50
282.0	0.00	0.0	-0.0	-0.0	0.00	572.50
283.0	0.00	0.0	-0.0	-0.0	0.00	572.50
284.0	0.00	0.0	-0.0	-0.0	0.00	572.50
285.0	0.00	0.0	-0.0	-0.0	0.00	572.50
286.0	0.00	0.0	-0.0	-0.0	0.00	572.50
287.0	0.00	0.0	-0.0	-0.0	0.00	572.50
288.0	0.00	0.0	-0.0	-0.0	0.00	572.50
289.0	0.00	0.0	-0.0	-0.0	0.00	572.50
290.0	0.00	0.0	-0.0	-0.0	0.00	572.50
291.0	0.00	0.0	-0.0	-0.0	0.00	572.50
292.0	0.00	0.0	-0.0	-0.0	0.00	572.50
293.0	0.00	0.0	-0.0	-0.0	0.00	572.50
294.0	0.00	0.0	-0.0	-0.0	0.00	572.50
295.0	0.00	0.0	-0.0	-0.0	0.00	572.50
296.0	0.00	0.0	-0.0	-0.0	0.00	572.50
297.0	0.00	0.0	-0.0	-0.0	0.00	572.50
298.0	0.00	0.0	-0.0	-0.0	0.00	572.50
299.0	0.00	0.0	-0.0	-0.0	0.00	572.50
300.0	0.00	0.0	-0.0	-0.0	0.00	572.50
301.0	0.00	0.0	-0.0	-0.0	0.00	572.50
302.0	0.00	0.0	-0.0	-0.0	0.00	572.50
303.0	0.00	0.0	-0.0	-0.0	0.00	572.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3A .PND
Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN3100.HYD

Starting Pond W.S. Elevation = 572.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 40.52 cfs
Peak Outflow = 35.07 cfs
Peak Elevation = 579.35 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 26,447 cu-ft

Total Storage in Pond = 26,447 cu-ft

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3
BLOCKED LOW FLOW

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
578.80	0.0	2
579.00	3.4	2
579.20	9.7	2
579.40	17.9	2
579.60	27.6	2
579.80	39.7	3
580.00	47.0	3

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3
BLOCKED LOW FLOW

Outlet Structure File: j:\DATA\0312269\BASIN3BL.STR
Planimeter Input File: j:\DATA\0312269\BASIN3 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN3BL.PND

Min. Elev.(ft) = 578.8 Max. Elev.(ft) = 580 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
WEIR-VR	2	->	2
ORIFICE	3	->	3

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN3BL.PND

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```
*****  
THE VILLAGES @ SPRINGHURST  
DETENTION BASIN #3  
BLOCKED LOW FLOW
```

```
*****
```

```
>>>>> Structure No. 2 <<<<<<  
(Input Data)
```

WEIR-VR

Weir - Vertical Rectangular

```
E1 elev.(ft)?           578.8  
E2 elev.(ft)?           579.8  
Weir coefficient?       3.3  
Weir elev.(ft)?         578.8  
Length (ft)?            11.67  
Contracted/Suppressed (C/S)? S
```

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #3
BLOCKED LOW FLOW

>>>>> Structure No. 3 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	579.8
E2 elev.(ft)?	580.001
Orifice coeff.?	.6
Invert elev.(ft)?	578.8
Datum elev.(ft) ?	579.3
Orifice area (sq ft)?	11.67

```
*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #3 *
* BLOCKED LOW FLOW *
* *
* *
*****
```

Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 578.80 ft
 Outflow = 0.00 cfs
 Storage = 22,230 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
578.80	0.0	22,230	741.0	741.0
579.00	3.4	23,713	790.4	793.8
579.20	9.7	25,253	841.8	851.5
579.40	17.9	26,851	895.0	912.9
579.60	27.6	28,509	950.3	977.9
579.80	39.7	30,228	1007.6	1047.3
580.00	47.0	32,008	1066.9	1113.9

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	741.0	741.0	0.00	578.80
1.0	3.14	3.1	743.7	744.2	0.20	578.81
2.0	6.28	9.4	751.6	753.2	0.78	578.85
3.0	9.42	15.7	763.9	767.3	1.69	578.90
4.0	12.56	22.0	780.1	785.9	2.89	578.97
5.0	15.70	28.3	798.4	808.4	4.99	579.05
6.0	15.70	31.4	815.1	829.8	7.33	579.12
7.0	15.70	31.4	828.2	846.5	9.16	579.18
8.0	15.70	31.4	838.0	859.6	10.79	579.23
9.0	15.70	31.4	845.2	869.4	12.10	579.26
10.0	15.70	31.4	850.5	876.6	13.06	579.28
11.0	15.70	31.4	854.4	881.9	13.76	579.30
12.0	15.70	31.4	857.2	885.8	14.28	579.31
13.0	15.70	31.4	859.3	888.6	14.66	579.32
14.0	15.70	31.4	860.9	890.7	14.94	579.33
15.0	15.70	31.4	862.0	892.3	15.14	579.33
16.0	15.70	31.4	862.8	893.4	15.29	579.34
17.0	15.70	31.4	863.4	894.2	15.40	579.34
18.0	15.70	31.4	863.8	894.8	15.48	579.34
19.0	15.70	31.4	864.2	895.2	15.54	579.34
20.0	15.70	31.4	864.4	895.6	15.58	579.34
21.0	12.56	28.3	862.3	892.7	15.19	579.33
22.0	9.42	22.0	856.1	884.2	14.07	579.31
23.0	6.28	15.7	847.0	871.8	12.41	579.27
24.0	3.14	9.4	835.7	856.4	10.36	579.22
25.0	0.00	3.1	822.2	838.8	8.32	579.16
26.0	0.00	0.0	809.2	822.2	6.50	579.10
27.0	0.00	0.0	799.0	809.2	5.08	579.05
28.0	0.00	0.0	791.1	799.0	3.97	579.02
29.0	0.00	0.0	784.6	791.1	3.22	578.99
30.0	0.00	0.0	779.0	784.6	2.81	578.97
31.0	0.00	0.0	774.1	779.0	2.45	578.94
32.0	0.00	0.0	769.9	774.1	2.13	578.93
33.0	0.00	0.0	766.2	769.9	1.86	578.91
34.0	0.00	0.0	762.9	766.2	1.62	578.90
35.0	0.00	0.0	760.1	762.9	1.41	578.88
36.0	0.00	0.0	757.6	760.1	1.23	578.87
37.0	0.00	0.0	755.5	757.6	1.07	578.86
38.0	0.00	0.0	753.6	755.5	0.93	578.85
39.0	0.00	0.0	752.0	753.6	0.81	578.85
40.0	0.00	0.0	750.6	752.0	0.71	578.84
41.0	0.00	0.0	749.4	750.6	0.62	578.84
42.0	0.00	0.0	748.3	749.4	0.54	578.83
43.0	0.00	0.0	747.4	748.3	0.47	578.83
44.0	0.00	0.0	746.5	747.4	0.41	578.82

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	745.8	746.5	0.36	578.82
46.0	0.00	0.0	745.2	745.8	0.31	578.82
47.0	0.00	0.0	744.7	745.2	0.27	578.82
48.0	0.00	0.0	744.2	744.7	0.24	578.81
49.0	0.00	0.0	743.8	744.2	0.20	578.81
50.0	0.00	0.0	743.4	743.8	0.18	578.81
51.0	0.00	0.0	743.1	743.4	0.16	578.81
52.0	0.00	0.0	742.8	743.1	0.14	578.81
53.0	0.00	0.0	742.6	742.8	0.12	578.81
54.0	0.00	0.0	742.4	742.6	0.10	578.81
55.0	0.00	0.0	742.2	742.4	0.09	578.81
56.0	0.00	0.0	742.1	742.2	0.08	578.80
57.0	0.00	0.0	741.9	742.1	0.07	578.80
58.0	0.00	0.0	741.8	741.9	0.06	578.80
59.0	0.00	0.0	741.7	741.8	0.05	578.80
60.0	0.00	0.0	741.6	741.7	0.04	578.80
61.0	0.00	0.0	741.5	741.6	0.04	578.80
62.0	0.00	0.0	741.5	741.5	0.03	578.80
63.0	0.00	0.0	741.4	741.5	0.03	578.80
64.0	0.00	0.0	741.4	741.4	0.03	578.80
65.0	0.00	0.0	741.3	741.4	0.02	578.80
66.0	0.00	0.0	741.3	741.3	0.02	578.80
67.0	0.00	0.0	741.2	741.3	0.02	578.80
68.0	0.00	0.0	741.2	741.2	0.01	578.80
69.0	0.00	0.0	741.2	741.2	0.01	578.80
70.0	0.00	0.0	741.2	741.2	0.01	578.80
71.0	0.00	0.0	741.1	741.2	0.01	578.80
72.0	0.00	0.0	741.1	741.1	0.01	578.80
73.0	0.00	0.0	741.1	741.1	0.01	578.80
74.0	0.00	0.0	741.1	741.1	0.01	578.80
75.0	0.00	0.0	741.1	741.1	0.01	578.80
76.0	0.00	0.0	741.1	741.1	0.00	578.80
77.0	0.00	0.0	741.1	741.1	0.00	578.80
78.0	0.00	0.0	741.1	741.1	0.00	578.80
79.0	0.00	0.0	741.1	741.1	0.00	578.80
80.0	0.00	0.0	741.1	741.1	0.00	578.80
81.0	0.00	0.0	741.0	741.1	0.00	578.80
82.0	0.00	0.0	741.0	741.0	0.00	578.80
83.0	0.00	0.0	741.0	741.0	0.00	578.80
84.0	0.00	0.0	741.0	741.0	0.00	578.80
85.0	0.00	0.0	741.0	741.0	0.00	578.80
86.0	0.00	0.0	741.0	741.0	0.00	578.80
87.0	0.00	0.0	741.0	741.0	0.00	578.80
88.0	0.00	0.0	741.0	741.0	0.00	578.80
89.0	0.00	0.0	741.0	741.0	0.00	578.80
90.0	0.00	0.0	741.0	741.0	0.00	578.80

ad File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	741.0	741.0	0.00	578.80
92.0	0.00	0.0	741.0	741.0	0.00	578.80
93.0	0.00	0.0	741.0	741.0	0.00	578.80
94.0	0.00	0.0	741.0	741.0	0.00	578.80
95.0	0.00	0.0	741.0	741.0	0.00	578.80
96.0	0.00	0.0	741.0	741.0	0.00	578.80
97.0	0.00	0.0	741.0	741.0	0.00	578.80
98.0	0.00	0.0	741.0	741.0	0.00	578.80
99.0	0.00	0.0	741.0	741.0	0.00	578.80
100.0	0.00	0.0	741.0	741.0	0.00	578.80
101.0	0.00	0.0	741.0	741.0	0.00	578.80
102.0	0.00	0.0	741.0	741.0	0.00	578.80
103.0	0.00	0.0	741.0	741.0	0.00	578.80
104.0	0.00	0.0	741.0	741.0	0.00	578.80
105.0	0.00	0.0	741.0	741.0	0.00	578.80
106.0	0.00	0.0	741.0	741.0	0.00	578.80
107.0	0.00	0.0	741.0	741.0	0.00	578.80
108.0	0.00	0.0	741.0	741.0	0.00	578.80
109.0	0.00	0.0	741.0	741.0	0.00	578.80
110.0	0.00	0.0	741.0	741.0	0.00	578.80
111.0	0.00	0.0	741.0	741.0	0.00	578.80
112.0	0.00	0.0	741.0	741.0	0.00	578.80
113.0	0.00	0.0	741.0	741.0	0.00	578.80
114.0	0.00	0.0	741.0	741.0	0.00	578.80
115.0	0.00	0.0	741.0	741.0	0.00	578.80
116.0	0.00	0.0	741.0	741.0	0.00	578.80
117.0	0.00	0.0	741.0	741.0	0.00	578.80
118.0	0.00	0.0	741.0	741.0	0.00	578.80
119.0	0.00	0.0	741.0	741.0	0.00	578.80
120.0	0.00	0.0	741.0	741.0	0.00	578.80
121.0	0.00	0.0	741.0	741.0	0.00	578.80
122.0	0.00	0.0	741.0	741.0	0.00	578.80
123.0	0.00	0.0	741.0	741.0	0.00	578.80
124.0	0.00	0.0	741.0	741.0	0.00	578.80
125.0	0.00	0.0	741.0	741.0	0.00	578.80
126.0	0.00	0.0	741.0	741.0	0.00	578.80
127.0	0.00	0.0	741.0	741.0	0.00	578.80
128.0	0.00	0.0	741.0	741.0	0.00	578.80
129.0	0.00	0.0	741.0	741.0	0.00	578.80
130.0	0.00	0.0	741.0	741.0	0.00	578.80
131.0	0.00	0.0	741.0	741.0	0.00	578.80
132.0	0.00	0.0	741.0	741.0	0.00	578.80
133.0	0.00	0.0	741.0	741.0	0.00	578.80
134.0	0.00	0.0	741.0	741.0	0.00	578.80
135.0	0.00	0.0	741.0	741.0	0.00	578.80
136.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	741.0	741.0	0.00	578.80
138.0	0.00	0.0	741.0	741.0	0.00	578.80
139.0	0.00	0.0	741.0	741.0	0.00	578.80
140.0	0.00	0.0	741.0	741.0	0.00	578.80
141.0	0.00	0.0	741.0	741.0	0.00	578.80
142.0	0.00	0.0	741.0	741.0	0.00	578.80
143.0	0.00	0.0	741.0	741.0	0.00	578.80
144.0	0.00	0.0	741.0	741.0	0.00	578.80
145.0	0.00	0.0	741.0	741.0	0.00	578.80
146.0	0.00	0.0	741.0	741.0	0.00	578.80
147.0	0.00	0.0	741.0	741.0	0.00	578.80
148.0	0.00	0.0	741.0	741.0	0.00	578.80
149.0	0.00	0.0	741.0	741.0	0.00	578.80
150.0	0.00	0.0	741.0	741.0	0.00	578.80
151.0	0.00	0.0	741.0	741.0	0.00	578.80
152.0	0.00	0.0	741.0	741.0	0.00	578.80
153.0	0.00	0.0	741.0	741.0	0.00	578.80
154.0	0.00	0.0	741.0	741.0	0.00	578.80
155.0	0.00	0.0	741.0	741.0	0.00	578.80
156.0	0.00	0.0	741.0	741.0	0.00	578.80
157.0	0.00	0.0	741.0	741.0	0.00	578.80
158.0	0.00	0.0	741.0	741.0	0.00	578.80
159.0	0.00	0.0	741.0	741.0	0.00	578.80
160.0	0.00	0.0	741.0	741.0	0.00	578.80
161.0	0.00	0.0	741.0	741.0	0.00	578.80
162.0	0.00	0.0	741.0	741.0	0.00	578.80
163.0	0.00	0.0	741.0	741.0	0.00	578.80
164.0	0.00	0.0	741.0	741.0	0.00	578.80
165.0	0.00	0.0	741.0	741.0	0.00	578.80
166.0	0.00	0.0	741.0	741.0	0.00	578.80
167.0	0.00	0.0	741.0	741.0	0.00	578.80
168.0	0.00	0.0	741.0	741.0	0.00	578.80
169.0	0.00	0.0	741.0	741.0	0.00	578.80
170.0	0.00	0.0	741.0	741.0	0.00	578.80
171.0	0.00	0.0	741.0	741.0	0.00	578.80
172.0	0.00	0.0	741.0	741.0	0.00	578.80
173.0	0.00	0.0	741.0	741.0	0.00	578.80
174.0	0.00	0.0	741.0	741.0	0.00	578.80
175.0	0.00	0.0	741.0	741.0	0.00	578.80
176.0	0.00	0.0	741.0	741.0	0.00	578.80
177.0	0.00	0.0	741.0	741.0	0.00	578.80
178.0	0.00	0.0	741.0	741.0	0.00	578.80
179.0	0.00	0.0	741.0	741.0	0.00	578.80
180.0	0.00	0.0	741.0	741.0	0.00	578.80
181.0	0.00	0.0	741.0	741.0	0.00	578.80
182.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	741.0	741.0	0.00	578.80
184.0	0.00	0.0	741.0	741.0	0.00	578.80
185.0	0.00	0.0	741.0	741.0	0.00	578.80
186.0	0.00	0.0	741.0	741.0	0.00	578.80
187.0	0.00	0.0	741.0	741.0	0.00	578.80
188.0	0.00	0.0	741.0	741.0	0.00	578.80
189.0	0.00	0.0	741.0	741.0	0.00	578.80
190.0	0.00	0.0	741.0	741.0	0.00	578.80
191.0	0.00	0.0	741.0	741.0	0.00	578.80
192.0	0.00	0.0	741.0	741.0	0.00	578.80
193.0	0.00	0.0	741.0	741.0	0.00	578.80
194.0	0.00	0.0	741.0	741.0	0.00	578.80
195.0	0.00	0.0	741.0	741.0	0.00	578.80
196.0	0.00	0.0	741.0	741.0	0.00	578.80
197.0	0.00	0.0	741.0	741.0	0.00	578.80
198.0	0.00	0.0	741.0	741.0	0.00	578.80
199.0	0.00	0.0	741.0	741.0	0.00	578.80
200.0	0.00	0.0	741.0	741.0	0.00	578.80
201.0	0.00	0.0	741.0	741.0	0.00	578.80
202.0	0.00	0.0	741.0	741.0	0.00	578.80
203.0	0.00	0.0	741.0	741.0	0.00	578.80
204.0	0.00	0.0	741.0	741.0	0.00	578.80
205.0	0.00	0.0	741.0	741.0	0.00	578.80
206.0	0.00	0.0	741.0	741.0	0.00	578.80
207.0	0.00	0.0	741.0	741.0	0.00	578.80
208.0	0.00	0.0	741.0	741.0	0.00	578.80
209.0	0.00	0.0	741.0	741.0	0.00	578.80
210.0	0.00	0.0	741.0	741.0	0.00	578.80
211.0	0.00	0.0	741.0	741.0	0.00	578.80
212.0	0.00	0.0	741.0	741.0	0.00	578.80
213.0	0.00	0.0	741.0	741.0	0.00	578.80
214.0	0.00	0.0	741.0	741.0	0.00	578.80
215.0	0.00	0.0	741.0	741.0	0.00	578.80
216.0	0.00	0.0	741.0	741.0	0.00	578.80
217.0	0.00	0.0	741.0	741.0	0.00	578.80
218.0	0.00	0.0	741.0	741.0	0.00	578.80
219.0	0.00	0.0	741.0	741.0	0.00	578.80
220.0	0.00	0.0	741.0	741.0	0.00	578.80
221.0	0.00	0.0	741.0	741.0	0.00	578.80
222.0	0.00	0.0	741.0	741.0	0.00	578.80
223.0	0.00	0.0	741.0	741.0	0.00	578.80
224.0	0.00	0.0	741.0	741.0	0.00	578.80
225.0	0.00	0.0	741.0	741.0	0.00	578.80
226.0	0.00	0.0	741.0	741.0	0.00	578.80
227.0	0.00	0.0	741.0	741.0	0.00	578.80
228.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	741.0	741.0	0.00	578.80
230.0	0.00	0.0	741.0	741.0	0.00	578.80
231.0	0.00	0.0	741.0	741.0	0.00	578.80
232.0	0.00	0.0	741.0	741.0	0.00	578.80
233.0	0.00	0.0	741.0	741.0	0.00	578.80
234.0	0.00	0.0	741.0	741.0	0.00	578.80
235.0	0.00	0.0	741.0	741.0	0.00	578.80
236.0	0.00	0.0	741.0	741.0	0.00	578.80
237.0	0.00	0.0	741.0	741.0	0.00	578.80
238.0	0.00	0.0	741.0	741.0	0.00	578.80
239.0	0.00	0.0	741.0	741.0	0.00	578.80
240.0	0.00	0.0	741.0	741.0	0.00	578.80
241.0	0.00	0.0	741.0	741.0	0.00	578.80
242.0	0.00	0.0	741.0	741.0	0.00	578.80
243.0	0.00	0.0	741.0	741.0	0.00	578.80
244.0	0.00	0.0	741.0	741.0	0.00	578.80
245.0	0.00	0.0	741.0	741.0	0.00	578.80
246.0	0.00	0.0	741.0	741.0	0.00	578.80
247.0	0.00	0.0	741.0	741.0	0.00	578.80
248.0	0.00	0.0	741.0	741.0	0.00	578.80
249.0	0.00	0.0	741.0	741.0	0.00	578.80
250.0	0.00	0.0	741.0	741.0	0.00	578.80
251.0	0.00	0.0	741.0	741.0	0.00	578.80
252.0	0.00	0.0	741.0	741.0	0.00	578.80
253.0	0.00	0.0	741.0	741.0	0.00	578.80
254.0	0.00	0.0	741.0	741.0	0.00	578.80
255.0	0.00	0.0	741.0	741.0	0.00	578.80
256.0	0.00	0.0	741.0	741.0	0.00	578.80
257.0	0.00	0.0	741.0	741.0	0.00	578.80
258.0	0.00	0.0	741.0	741.0	0.00	578.80
259.0	0.00	0.0	741.0	741.0	0.00	578.80
260.0	0.00	0.0	741.0	741.0	0.00	578.80
261.0	0.00	0.0	741.0	741.0	0.00	578.80
262.0	0.00	0.0	741.0	741.0	0.00	578.80
263.0	0.00	0.0	741.0	741.0	0.00	578.80
264.0	0.00	0.0	741.0	741.0	0.00	578.80
265.0	0.00	0.0	741.0	741.0	0.00	578.80
266.0	0.00	0.0	741.0	741.0	0.00	578.80
267.0	0.00	0.0	741.0	741.0	0.00	578.80
268.0	0.00	0.0	741.0	741.0	0.00	578.80
269.0	0.00	0.0	741.0	741.0	0.00	578.80
270.0	0.00	0.0	741.0	741.0	0.00	578.80
271.0	0.00	0.0	741.0	741.0	0.00	578.80
272.0	0.00	0.0	741.0	741.0	0.00	578.80
273.0	0.00	0.0	741.0	741.0	0.00	578.80
274.0	0.00	0.0	741.0	741.0	0.00	578.80

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	741.0	741.0	0.00	578.80
276.0	0.00	0.0	741.0	741.0	0.00	578.80
277.0	0.00	0.0	741.0	741.0	0.00	578.80
278.0	0.00	0.0	741.0	741.0	0.00	578.80
279.0	0.00	0.0	741.0	741.0	0.00	578.80
280.0	0.00	0.0	741.0	741.0	0.00	578.80
281.0	0.00	0.0	741.0	741.0	0.00	578.80
282.0	0.00	0.0	741.0	741.0	0.00	578.80
283.0	0.00	0.0	741.0	741.0	0.00	578.80
284.0	0.00	0.0	741.0	741.0	0.00	578.80
285.0	0.00	0.0	741.0	741.0	0.00	578.80
286.0	0.00	0.0	741.0	741.0	0.00	578.80
287.0	0.00	0.0	741.0	741.0	0.00	578.80
288.0	0.00	0.0	741.0	741.0	0.00	578.80
289.0	0.00	0.0	741.0	741.0	0.00	578.80
290.0	0.00	0.0	741.0	741.0	0.00	578.80
291.0	0.00	0.0	741.0	741.0	0.00	578.80
292.0	0.00	0.0	741.0	741.0	0.00	578.80
293.0	0.00	0.0	741.0	741.0	0.00	578.80
294.0	0.00	0.0	741.0	741.0	0.00	578.80
295.0	0.00	0.0	741.0	741.0	0.00	578.80
296.0	0.00	0.0	741.0	741.0	0.00	578.80
297.0	0.00	0.0	741.0	741.0	0.00	578.80
298.0	0.00	0.0	741.0	741.0	0.00	578.80
299.0	0.00	0.0	741.0	741.0	0.00	578.80
300.0	0.00	0.0	741.0	741.0	0.00	578.80
301.0	0.00	0.0	741.0	741.0	0.00	578.80
302.0	0.00	0.0	741.0	741.0	0.00	578.80
303.0	0.00	0.0	741.0	741.0	0.00	578.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3BL.PND
Inflow Hydrograph: j:\DATA\0312269\02BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA302BL .HYD

Starting Pond W.S. Elevation = 578.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 15.70 cfs
Peak Outflow = 15.58 cfs
Peak Elevation = 579.34 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 22,230 cu-ft
Peak Storage From Storm = 4,169 cu-ft

Total Storage in Pond = 26,399 cu-ft

```
*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #3 *
* BLOCKED LOW FLOW *
* *
* *
*****
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Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3BL.PND

----INITIAL CONDITIONS----

Elevation = 578.80 ft
 Outflow = 0.00 cfs
 Storage = 22,230 cu-ft

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
578.80	0.0	22,230
579.00	3.4	23,713
579.20	9.7	25,253
579.40	17.9	26,851
579.60	27.6	28,509
579.80	39.7	30,228
580.00	47.0	32,008

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
741.0	741.0
790.4	793.8
841.8	851.5
895.0	912.9
950.3	977.9
1007.6	1047.3
1066.9	1113.9

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	741.0	741.0	0.00	578.80
1.0	5.12	5.1	745.5	746.1	0.33	578.82
2.0	10.24	15.4	758.3	760.8	1.28	578.88
3.0	15.35	25.6	778.4	783.9	2.76	578.96
4.0	20.47	35.8	802.9	814.2	5.62	579.07
5.0	25.59	46.1	830.1	849.0	9.43	579.19
6.0	25.59	51.2	853.9	881.3	13.68	579.30
7.0	25.59	51.2	871.4	905.1	16.86	579.37
8.0	25.59	51.2	883.9	922.6	19.34	579.43
9.0	25.59	51.2	892.7	935.1	21.21	579.47
10.0	25.59	51.2	898.8	943.9	22.52	579.50
11.0	25.59	51.2	903.1	950.0	23.43	579.51
12.0	25.59	51.2	906.2	954.3	24.08	579.53
13.0	25.59	51.2	908.3	957.3	24.53	579.54
14.0	25.59	51.2	909.8	959.5	24.85	579.54
15.0	25.59	51.2	910.8	960.9	25.07	579.55
16.0	25.59	51.2	911.5	962.0	25.22	579.55
17.0	25.59	51.2	912.1	962.7	25.33	579.55
18.0	25.59	51.2	912.4	963.2	25.41	579.55
19.0	25.59	51.2	912.7	963.6	25.46	579.56
20.0	25.59	51.2	912.8	963.8	25.50	579.56
21.0	20.47	46.1	909.4	958.9	24.76	579.54
22.0	15.35	35.8	899.8	945.2	22.72	579.50
23.0	10.24	25.6	885.8	925.4	19.75	579.44
24.0	5.12	15.4	868.5	901.2	16.34	579.36
25.0	0.00	5.1	848.3	873.7	12.66	579.27
26.0	0.00	0.0	829.6	848.3	9.36	579.19
27.0	0.00	0.0	815.0	829.6	7.31	579.12
28.0	0.00	0.0	803.6	815.0	5.71	579.07
29.0	0.00	0.0	794.6	803.6	4.46	579.03
30.0	0.00	0.0	787.7	794.6	3.49	579.00
31.0	0.00	0.0	781.7	787.7	3.00	578.98
32.0	0.00	0.0	776.4	781.7	2.62	578.95
33.0	0.00	0.0	771.9	776.4	2.28	578.93
34.0	0.00	0.0	767.9	771.9	1.99	578.92
35.0	0.00	0.0	764.4	767.9	1.73	578.90
36.0	0.00	0.0	761.4	764.4	1.51	578.89
37.0	0.00	0.0	758.8	761.4	1.31	578.88
38.0	0.00	0.0	756.5	758.8	1.14	578.87
39.0	0.00	0.0	754.5	756.5	1.00	578.86
40.0	0.00	0.0	752.8	754.5	0.87	578.85
41.0	0.00	0.0	751.3	752.8	0.76	578.84
42.0	0.00	0.0	749.9	751.3	0.66	578.84
43.0	0.00	0.0	748.8	749.9	0.57	578.83
44.0	0.00	0.0	747.8	748.8	0.50	578.83

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	746.9	747.8	0.44	578.83
46.0	0.00	0.0	746.2	746.9	0.38	578.82
47.0	0.00	0.0	745.5	746.2	0.33	578.82
48.0	0.00	0.0	744.9	745.5	0.29	578.82
49.0	0.00	0.0	744.4	744.9	0.25	578.81
50.0	0.00	0.0	744.0	744.4	0.22	578.81
51.0	0.00	0.0	743.6	744.0	0.19	578.81
52.0	0.00	0.0	743.3	743.6	0.17	578.81
53.0	0.00	0.0	743.0	743.3	0.14	578.81
54.0	0.00	0.0	742.7	743.0	0.13	578.81
55.0	0.00	0.0	742.5	742.7	0.11	578.81
56.0	0.00	0.0	742.3	742.5	0.10	578.81
57.0	0.00	0.0	742.1	742.3	0.08	578.80
58.0	0.00	0.0	742.0	742.1	0.07	578.80
59.0	0.00	0.0	741.9	742.0	0.06	578.80
60.0	0.00	0.0	741.8	741.9	0.06	578.80
61.0	0.00	0.0	741.7	741.8	0.05	578.80
62.0	0.00	0.0	741.6	741.7	0.04	578.80
63.0	0.00	0.0	741.5	741.6	0.04	578.80
64.0	0.00	0.0	741.4	741.5	0.03	578.80
65.0	0.00	0.0	741.4	741.4	0.03	578.80
66.0	0.00	0.0	741.3	741.4	0.02	578.80
67.0	0.00	0.0	741.3	741.3	0.02	578.80
68.0	0.00	0.0	741.3	741.3	0.02	578.80
69.0	0.00	0.0	741.2	741.3	0.02	578.80
70.0	0.00	0.0	741.2	741.2	0.01	578.80
71.0	0.00	0.0	741.2	741.2	0.01	578.80
72.0	0.00	0.0	741.2	741.2	0.01	578.80
73.0	0.00	0.0	741.1	741.2	0.01	578.80
74.0	0.00	0.0	741.1	741.1	0.01	578.80
75.0	0.00	0.0	741.1	741.1	0.01	578.80
76.0	0.00	0.0	741.1	741.1	0.01	578.80
77.0	0.00	0.0	741.1	741.1	0.01	578.80
78.0	0.00	0.0	741.1	741.1	0.00	578.80
79.0	0.00	0.0	741.1	741.1	0.00	578.80
80.0	0.00	0.0	741.1	741.1	0.00	578.80
81.0	0.00	0.0	741.1	741.1	0.00	578.80
82.0	0.00	0.0	741.0	741.1	0.00	578.80
83.0	0.00	0.0	741.0	741.0	0.00	578.80
84.0	0.00	0.0	741.0	741.0	0.00	578.80
85.0	0.00	0.0	741.0	741.0	0.00	578.80
86.0	0.00	0.0	741.0	741.0	0.00	578.80
87.0	0.00	0.0	741.0	741.0	0.00	578.80
88.0	0.00	0.0	741.0	741.0	0.00	578.80
89.0	0.00	0.0	741.0	741.0	0.00	578.80
90.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	741.0	741.0	0.00	578.80
92.0	0.00	0.0	741.0	741.0	0.00	578.80
93.0	0.00	0.0	741.0	741.0	0.00	578.80
94.0	0.00	0.0	741.0	741.0	0.00	578.80
95.0	0.00	0.0	741.0	741.0	0.00	578.80
96.0	0.00	0.0	741.0	741.0	0.00	578.80
97.0	0.00	0.0	741.0	741.0	0.00	578.80
98.0	0.00	0.0	741.0	741.0	0.00	578.80
99.0	0.00	0.0	741.0	741.0	0.00	578.80
100.0	0.00	0.0	741.0	741.0	0.00	578.80
101.0	0.00	0.0	741.0	741.0	0.00	578.80
102.0	0.00	0.0	741.0	741.0	0.00	578.80
103.0	0.00	0.0	741.0	741.0	0.00	578.80
104.0	0.00	0.0	741.0	741.0	0.00	578.80
105.0	0.00	0.0	741.0	741.0	0.00	578.80
106.0	0.00	0.0	741.0	741.0	0.00	578.80
107.0	0.00	0.0	741.0	741.0	0.00	578.80
108.0	0.00	0.0	741.0	741.0	0.00	578.80
109.0	0.00	0.0	741.0	741.0	0.00	578.80
110.0	0.00	0.0	741.0	741.0	0.00	578.80
111.0	0.00	0.0	741.0	741.0	0.00	578.80
112.0	0.00	0.0	741.0	741.0	0.00	578.80
113.0	0.00	0.0	741.0	741.0	0.00	578.80
114.0	0.00	0.0	741.0	741.0	0.00	578.80
115.0	0.00	0.0	741.0	741.0	0.00	578.80
116.0	0.00	0.0	741.0	741.0	0.00	578.80
117.0	0.00	0.0	741.0	741.0	0.00	578.80
118.0	0.00	0.0	741.0	741.0	0.00	578.80
119.0	0.00	0.0	741.0	741.0	0.00	578.80
120.0	0.00	0.0	741.0	741.0	0.00	578.80
121.0	0.00	0.0	741.0	741.0	0.00	578.80
122.0	0.00	0.0	741.0	741.0	0.00	578.80
123.0	0.00	0.0	741.0	741.0	0.00	578.80
124.0	0.00	0.0	741.0	741.0	0.00	578.80
125.0	0.00	0.0	741.0	741.0	0.00	578.80
126.0	0.00	0.0	741.0	741.0	0.00	578.80
127.0	0.00	0.0	741.0	741.0	0.00	578.80
128.0	0.00	0.0	741.0	741.0	0.00	578.80
129.0	0.00	0.0	741.0	741.0	0.00	578.80
130.0	0.00	0.0	741.0	741.0	0.00	578.80
131.0	0.00	0.0	741.0	741.0	0.00	578.80
132.0	0.00	0.0	741.0	741.0	0.00	578.80
133.0	0.00	0.0	741.0	741.0	0.00	578.80
134.0	0.00	0.0	741.0	741.0	0.00	578.80
135.0	0.00	0.0	741.0	741.0	0.00	578.80
136.0	0.00	0.0	741.0	741.0	0.00	578.80

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	741.0	741.0	0.00	578.80
138.0	0.00	0.0	741.0	741.0	0.00	578.80
139.0	0.00	0.0	741.0	741.0	0.00	578.80
140.0	0.00	0.0	741.0	741.0	0.00	578.80
141.0	0.00	0.0	741.0	741.0	0.00	578.80
142.0	0.00	0.0	741.0	741.0	0.00	578.80
143.0	0.00	0.0	741.0	741.0	0.00	578.80
144.0	0.00	0.0	741.0	741.0	0.00	578.80
145.0	0.00	0.0	741.0	741.0	0.00	578.80
146.0	0.00	0.0	741.0	741.0	0.00	578.80
147.0	0.00	0.0	741.0	741.0	0.00	578.80
148.0	0.00	0.0	741.0	741.0	0.00	578.80
149.0	0.00	0.0	741.0	741.0	0.00	578.80
150.0	0.00	0.0	741.0	741.0	0.00	578.80
151.0	0.00	0.0	741.0	741.0	0.00	578.80
152.0	0.00	0.0	741.0	741.0	0.00	578.80
153.0	0.00	0.0	741.0	741.0	0.00	578.80
154.0	0.00	0.0	741.0	741.0	0.00	578.80
155.0	0.00	0.0	741.0	741.0	0.00	578.80
156.0	0.00	0.0	741.0	741.0	0.00	578.80
157.0	0.00	0.0	741.0	741.0	0.00	578.80
158.0	0.00	0.0	741.0	741.0	0.00	578.80
159.0	0.00	0.0	741.0	741.0	0.00	578.80
160.0	0.00	0.0	741.0	741.0	0.00	578.80
161.0	0.00	0.0	741.0	741.0	0.00	578.80
162.0	0.00	0.0	741.0	741.0	0.00	578.80
163.0	0.00	0.0	741.0	741.0	0.00	578.80
164.0	0.00	0.0	741.0	741.0	0.00	578.80
165.0	0.00	0.0	741.0	741.0	0.00	578.80
166.0	0.00	0.0	741.0	741.0	0.00	578.80
167.0	0.00	0.0	741.0	741.0	0.00	578.80
168.0	0.00	0.0	741.0	741.0	0.00	578.80
169.0	0.00	0.0	741.0	741.0	0.00	578.80
170.0	0.00	0.0	741.0	741.0	0.00	578.80
171.0	0.00	0.0	741.0	741.0	0.00	578.80
172.0	0.00	0.0	741.0	741.0	0.00	578.80
173.0	0.00	0.0	741.0	741.0	0.00	578.80
174.0	0.00	0.0	741.0	741.0	0.00	578.80
175.0	0.00	0.0	741.0	741.0	0.00	578.80
176.0	0.00	0.0	741.0	741.0	0.00	578.80
177.0	0.00	0.0	741.0	741.0	0.00	578.80
178.0	0.00	0.0	741.0	741.0	0.00	578.80
179.0	0.00	0.0	741.0	741.0	0.00	578.80
180.0	0.00	0.0	741.0	741.0	0.00	578.80
181.0	0.00	0.0	741.0	741.0	0.00	578.80
182.0	0.00	0.0	741.0	741.0	0.00	578.80

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	741.0	741.0	0.00	578.80
184.0	0.00	0.0	741.0	741.0	0.00	578.80
185.0	0.00	0.0	741.0	741.0	0.00	578.80
186.0	0.00	0.0	741.0	741.0	0.00	578.80
187.0	0.00	0.0	741.0	741.0	0.00	578.80
188.0	0.00	0.0	741.0	741.0	0.00	578.80
189.0	0.00	0.0	741.0	741.0	0.00	578.80
190.0	0.00	0.0	741.0	741.0	0.00	578.80
191.0	0.00	0.0	741.0	741.0	0.00	578.80
192.0	0.00	0.0	741.0	741.0	0.00	578.80
193.0	0.00	0.0	741.0	741.0	0.00	578.80
194.0	0.00	0.0	741.0	741.0	0.00	578.80
195.0	0.00	0.0	741.0	741.0	0.00	578.80
196.0	0.00	0.0	741.0	741.0	0.00	578.80
197.0	0.00	0.0	741.0	741.0	0.00	578.80
198.0	0.00	0.0	741.0	741.0	0.00	578.80
199.0	0.00	0.0	741.0	741.0	0.00	578.80
200.0	0.00	0.0	741.0	741.0	0.00	578.80
201.0	0.00	0.0	741.0	741.0	0.00	578.80
202.0	0.00	0.0	741.0	741.0	0.00	578.80
203.0	0.00	0.0	741.0	741.0	0.00	578.80
204.0	0.00	0.0	741.0	741.0	0.00	578.80
205.0	0.00	0.0	741.0	741.0	0.00	578.80
206.0	0.00	0.0	741.0	741.0	0.00	578.80
207.0	0.00	0.0	741.0	741.0	0.00	578.80
208.0	0.00	0.0	741.0	741.0	0.00	578.80
209.0	0.00	0.0	741.0	741.0	0.00	578.80
210.0	0.00	0.0	741.0	741.0	0.00	578.80
211.0	0.00	0.0	741.0	741.0	0.00	578.80
212.0	0.00	0.0	741.0	741.0	0.00	578.80
213.0	0.00	0.0	741.0	741.0	0.00	578.80
214.0	0.00	0.0	741.0	741.0	0.00	578.80
215.0	0.00	0.0	741.0	741.0	0.00	578.80
216.0	0.00	0.0	741.0	741.0	0.00	578.80
217.0	0.00	0.0	741.0	741.0	0.00	578.80
218.0	0.00	0.0	741.0	741.0	0.00	578.80
219.0	0.00	0.0	741.0	741.0	0.00	578.80
220.0	0.00	0.0	741.0	741.0	0.00	578.80
221.0	0.00	0.0	741.0	741.0	0.00	578.80
222.0	0.00	0.0	741.0	741.0	0.00	578.80
223.0	0.00	0.0	741.0	741.0	0.00	578.80
224.0	0.00	0.0	741.0	741.0	0.00	578.80
225.0	0.00	0.0	741.0	741.0	0.00	578.80
226.0	0.00	0.0	741.0	741.0	0.00	578.80
227.0	0.00	0.0	741.0	741.0	0.00	578.80
228.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	741.0	741.0	0.00	578.80
230.0	0.00	0.0	741.0	741.0	0.00	578.80
231.0	0.00	0.0	741.0	741.0	0.00	578.80
232.0	0.00	0.0	741.0	741.0	0.00	578.80
233.0	0.00	0.0	741.0	741.0	0.00	578.80
234.0	0.00	0.0	741.0	741.0	0.00	578.80
235.0	0.00	0.0	741.0	741.0	0.00	578.80
236.0	0.00	0.0	741.0	741.0	0.00	578.80
237.0	0.00	0.0	741.0	741.0	0.00	578.80
238.0	0.00	0.0	741.0	741.0	0.00	578.80
239.0	0.00	0.0	741.0	741.0	0.00	578.80
240.0	0.00	0.0	741.0	741.0	0.00	578.80
241.0	0.00	0.0	741.0	741.0	0.00	578.80
242.0	0.00	0.0	741.0	741.0	0.00	578.80
243.0	0.00	0.0	741.0	741.0	0.00	578.80
244.0	0.00	0.0	741.0	741.0	0.00	578.80
245.0	0.00	0.0	741.0	741.0	0.00	578.80
246.0	0.00	0.0	741.0	741.0	0.00	578.80
247.0	0.00	0.0	741.0	741.0	0.00	578.80
248.0	0.00	0.0	741.0	741.0	0.00	578.80
249.0	0.00	0.0	741.0	741.0	0.00	578.80
250.0	0.00	0.0	741.0	741.0	0.00	578.80
251.0	0.00	0.0	741.0	741.0	0.00	578.80
252.0	0.00	0.0	741.0	741.0	0.00	578.80
253.0	0.00	0.0	741.0	741.0	0.00	578.80
254.0	0.00	0.0	741.0	741.0	0.00	578.80
255.0	0.00	0.0	741.0	741.0	0.00	578.80
256.0	0.00	0.0	741.0	741.0	0.00	578.80
257.0	0.00	0.0	741.0	741.0	0.00	578.80
258.0	0.00	0.0	741.0	741.0	0.00	578.80
259.0	0.00	0.0	741.0	741.0	0.00	578.80
260.0	0.00	0.0	741.0	741.0	0.00	578.80
261.0	0.00	0.0	741.0	741.0	0.00	578.80
262.0	0.00	0.0	741.0	741.0	0.00	578.80
263.0	0.00	0.0	741.0	741.0	0.00	578.80
264.0	0.00	0.0	741.0	741.0	0.00	578.80
265.0	0.00	0.0	741.0	741.0	0.00	578.80
266.0	0.00	0.0	741.0	741.0	0.00	578.80
267.0	0.00	0.0	741.0	741.0	0.00	578.80
268.0	0.00	0.0	741.0	741.0	0.00	578.80
269.0	0.00	0.0	741.0	741.0	0.00	578.80
270.0	0.00	0.0	741.0	741.0	0.00	578.80
271.0	0.00	0.0	741.0	741.0	0.00	578.80
272.0	0.00	0.0	741.0	741.0	0.00	578.80
273.0	0.00	0.0	741.0	741.0	0.00	578.80
274.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	741.0	741.0	0.00	578.80
276.0	0.00	0.0	741.0	741.0	0.00	578.80
277.0	0.00	0.0	741.0	741.0	0.00	578.80
278.0	0.00	0.0	741.0	741.0	0.00	578.80
279.0	0.00	0.0	741.0	741.0	0.00	578.80
280.0	0.00	0.0	741.0	741.0	0.00	578.80
281.0	0.00	0.0	741.0	741.0	0.00	578.80
282.0	0.00	0.0	741.0	741.0	0.00	578.80
283.0	0.00	0.0	741.0	741.0	0.00	578.80
284.0	0.00	0.0	741.0	741.0	0.00	578.80
285.0	0.00	0.0	741.0	741.0	0.00	578.80
286.0	0.00	0.0	741.0	741.0	0.00	578.80
287.0	0.00	0.0	741.0	741.0	0.00	578.80
288.0	0.00	0.0	741.0	741.0	0.00	578.80
289.0	0.00	0.0	741.0	741.0	0.00	578.80
290.0	0.00	0.0	741.0	741.0	0.00	578.80
291.0	0.00	0.0	741.0	741.0	0.00	578.80
292.0	0.00	0.0	741.0	741.0	0.00	578.80
293.0	0.00	0.0	741.0	741.0	0.00	578.80
294.0	0.00	0.0	741.0	741.0	0.00	578.80
295.0	0.00	0.0	741.0	741.0	0.00	578.80
296.0	0.00	0.0	741.0	741.0	0.00	578.80
297.0	0.00	0.0	741.0	741.0	0.00	578.80
298.0	0.00	0.0	741.0	741.0	0.00	578.80
299.0	0.00	0.0	741.0	741.0	0.00	578.80
300.0	0.00	0.0	741.0	741.0	0.00	578.80
301.0	0.00	0.0	741.0	741.0	0.00	578.80
302.0	0.00	0.0	741.0	741.0	0.00	578.80
303.0	0.00	0.0	741.0	741.0	0.00	578.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3BL.PND
Inflow Hydrograph: j:\DATA\0312269\15BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA315BL .HYD

Starting Pond W.S. Elevation = 578.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 25.59 cfs
Peak Outflow = 25.50 cfs
Peak Elevation = 579.56 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 22,230 cu-ft
Peak Storage From Storm = 5,920 cu-ft

Total Storage in Pond = 28,150 cu-ft

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*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #3 *
* BLOCKED LOW FLOW *
* *
* *
*****
    
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Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Rating Table file: j:\DATA\0312269\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 578.80 ft
 Outflow = 0.00 cfs
 Storage = 22,230 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
578.80	0.0	22,230	741.0	741.0
579.00	3.4	23,713	790.4	793.8
579.20	9.7	25,253	841.8	851.5
579.40	17.9	26,851	895.0	912.9
579.60	27.6	28,509	950.3	977.9
579.80	39.7	30,228	1007.6	1047.3
580.00	47.0	32,008	1066.9	1113.9

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	741.0	741.0	0.00	578.80
1.0	6.31	6.3	746.5	747.3	0.41	578.82
2.0	12.62	18.9	762.3	765.4	1.57	578.89
3.0	18.94	31.6	787.1	793.9	3.40	579.00
4.0	25.25	44.2	816.3	831.2	7.49	579.13
5.0	31.56	56.8	847.9	873.1	12.58	579.27
6.0	31.56	63.1	875.7	911.0	17.65	579.39
7.0	31.56	63.1	895.3	938.9	21.77	579.48
8.0	31.56	63.1	909.1	958.4	24.69	579.54
9.0	31.56	63.1	918.7	972.2	26.74	579.58
10.0	31.56	63.1	925.2	981.8	28.28	579.61
11.0	31.56	63.1	929.5	988.4	29.42	579.63
12.0	31.56	63.1	932.3	992.6	30.17	579.64
13.0	31.56	63.1	934.1	995.4	30.65	579.65
14.0	31.56	63.1	935.3	997.2	30.97	579.66
15.0	31.56	63.1	936.1	998.4	31.18	579.66
16.0	31.56	63.1	936.6	999.2	31.31	579.66
17.0	31.56	63.1	936.9	999.7	31.40	579.66
18.0	31.56	63.1	937.1	1000.0	31.45	579.66
19.0	31.56	63.1	937.2	1000.2	31.49	579.66
20.0	31.56	63.1	937.3	1000.4	31.51	579.66
21.0	25.25	56.8	933.3	994.1	30.43	579.65
22.0	18.94	44.2	922.4	977.5	27.53	579.60
23.0	12.62	31.6	905.9	954.0	24.02	579.53
24.0	6.31	18.9	885.5	924.8	19.68	579.44
25.0	0.00	6.3	861.6	891.8	15.08	579.33
26.0	0.00	0.0	839.5	861.6	11.06	579.23
27.0	0.00	0.0	822.7	839.5	8.39	579.16
28.0	0.00	0.0	809.6	822.7	6.56	579.10
29.0	0.00	0.0	799.4	809.6	5.12	579.05
30.0	0.00	0.0	791.4	799.4	4.00	579.02
31.0	0.00	0.0	784.9	791.4	3.24	578.99
32.0	0.00	0.0	779.2	784.9	2.82	578.97
33.0	0.00	0.0	774.3	779.2	2.46	578.94
34.0	0.00	0.0	770.0	774.3	2.14	578.93
35.0	0.00	0.0	766.3	770.0	1.87	578.91
36.0	0.00	0.0	763.0	766.3	1.63	578.90
37.0	0.00	0.0	760.2	763.0	1.42	578.88
38.0	0.00	0.0	757.7	760.2	1.24	578.87
39.0	0.00	0.0	755.6	757.7	1.08	578.86
40.0	0.00	0.0	753.7	755.6	0.94	578.86
41.0	0.00	0.0	752.1	753.7	0.82	578.85
42.0	0.00	0.0	750.6	752.1	0.71	578.84
43.0	0.00	0.0	749.4	750.6	0.62	578.84
44.0	0.00	0.0	748.3	749.4	0.54	578.83

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	747.4	748.3	0.47	578.83
46.0	0.00	0.0	746.6	747.4	0.41	578.82
47.0	0.00	0.0	745.8	746.6	0.36	578.82
48.0	0.00	0.0	745.2	745.8	0.31	578.82
49.0	0.00	0.0	744.7	745.2	0.27	578.82
50.0	0.00	0.0	744.2	744.7	0.24	578.81
51.0	0.00	0.0	743.8	744.2	0.21	578.81
52.0	0.00	0.0	743.4	743.8	0.18	578.81
53.0	0.00	0.0	743.1	743.4	0.16	578.81
54.0	0.00	0.0	742.9	743.1	0.14	578.81
55.0	0.00	0.0	742.6	742.9	0.12	578.81
56.0	0.00	0.0	742.4	742.6	0.10	578.81
57.0	0.00	0.0	742.2	742.4	0.09	578.81
58.0	0.00	0.0	742.1	742.2	0.08	578.80
59.0	0.00	0.0	741.9	742.1	0.07	578.80
60.0	0.00	0.0	741.8	741.9	0.06	578.80
61.0	0.00	0.0	741.7	741.8	0.05	578.80
62.0	0.00	0.0	741.6	741.7	0.05	578.80
63.0	0.00	0.0	741.5	741.6	0.04	578.80
64.0	0.00	0.0	741.5	741.5	0.03	578.80
65.0	0.00	0.0	741.4	741.5	0.03	578.80
66.0	0.00	0.0	741.4	741.4	0.03	578.80
67.0	0.00	0.0	741.3	741.4	0.02	578.80
68.0	0.00	0.0	741.3	741.3	0.02	578.80
69.0	0.00	0.0	741.2	741.3	0.02	578.80
70.0	0.00	0.0	741.2	741.2	0.02	578.80
71.0	0.00	0.0	741.2	741.2	0.01	578.80
72.0	0.00	0.0	741.2	741.2	0.01	578.80
73.0	0.00	0.0	741.1	741.2	0.01	578.80
74.0	0.00	0.0	741.1	741.1	0.01	578.80
75.0	0.00	0.0	741.1	741.1	0.01	578.80
76.0	0.00	0.0	741.1	741.1	0.01	578.80
77.0	0.00	0.0	741.1	741.1	0.01	578.80
78.0	0.00	0.0	741.1	741.1	0.00	578.80
79.0	0.00	0.0	741.1	741.1	0.00	578.80
80.0	0.00	0.0	741.1	741.1	0.00	578.80
81.0	0.00	0.0	741.1	741.1	0.00	578.80
82.0	0.00	0.0	741.1	741.1	0.00	578.80
83.0	0.00	0.0	741.0	741.1	0.00	578.80
84.0	0.00	0.0	741.0	741.0	0.00	578.80
85.0	0.00	0.0	741.0	741.0	0.00	578.80
86.0	0.00	0.0	741.0	741.0	0.00	578.80
87.0	0.00	0.0	741.0	741.0	0.00	578.80
88.0	0.00	0.0	741.0	741.0	0.00	578.80
89.0	0.00	0.0	741.0	741.0	0.00	578.80
90.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	741.0	741.0	0.00	578.80
92.0	0.00	0.0	741.0	741.0	0.00	578.80
93.0	0.00	0.0	741.0	741.0	0.00	578.80
94.0	0.00	0.0	741.0	741.0	0.00	578.80
95.0	0.00	0.0	741.0	741.0	0.00	578.80
96.0	0.00	0.0	741.0	741.0	0.00	578.80
97.0	0.00	0.0	741.0	741.0	0.00	578.80
98.0	0.00	0.0	741.0	741.0	0.00	578.80
99.0	0.00	0.0	741.0	741.0	0.00	578.80
100.0	0.00	0.0	741.0	741.0	0.00	578.80
101.0	0.00	0.0	741.0	741.0	0.00	578.80
102.0	0.00	0.0	741.0	741.0	0.00	578.80
103.0	0.00	0.0	741.0	741.0	0.00	578.80
104.0	0.00	0.0	741.0	741.0	0.00	578.80
105.0	0.00	0.0	741.0	741.0	0.00	578.80
106.0	0.00	0.0	741.0	741.0	0.00	578.80
107.0	0.00	0.0	741.0	741.0	0.00	578.80
108.0	0.00	0.0	741.0	741.0	0.00	578.80
109.0	0.00	0.0	741.0	741.0	0.00	578.80
110.0	0.00	0.0	741.0	741.0	0.00	578.80
111.0	0.00	0.0	741.0	741.0	0.00	578.80
112.0	0.00	0.0	741.0	741.0	0.00	578.80
113.0	0.00	0.0	741.0	741.0	0.00	578.80
114.0	0.00	0.0	741.0	741.0	0.00	578.80
115.0	0.00	0.0	741.0	741.0	0.00	578.80
116.0	0.00	0.0	741.0	741.0	0.00	578.80
117.0	0.00	0.0	741.0	741.0	0.00	578.80
118.0	0.00	0.0	741.0	741.0	0.00	578.80
119.0	0.00	0.0	741.0	741.0	0.00	578.80
120.0	0.00	0.0	741.0	741.0	0.00	578.80
121.0	0.00	0.0	741.0	741.0	0.00	578.80
122.0	0.00	0.0	741.0	741.0	0.00	578.80
123.0	0.00	0.0	741.0	741.0	0.00	578.80
124.0	0.00	0.0	741.0	741.0	0.00	578.80
125.0	0.00	0.0	741.0	741.0	0.00	578.80
126.0	0.00	0.0	741.0	741.0	0.00	578.80
127.0	0.00	0.0	741.0	741.0	0.00	578.80
128.0	0.00	0.0	741.0	741.0	0.00	578.80
129.0	0.00	0.0	741.0	741.0	0.00	578.80
130.0	0.00	0.0	741.0	741.0	0.00	578.80
131.0	0.00	0.0	741.0	741.0	0.00	578.80
132.0	0.00	0.0	741.0	741.0	0.00	578.80
133.0	0.00	0.0	741.0	741.0	0.00	578.80
134.0	0.00	0.0	741.0	741.0	0.00	578.80
135.0	0.00	0.0	741.0	741.0	0.00	578.80
136.0	0.00	0.0	741.0	741.0	0.00	578.80

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	741.0	741.0	0.00	578.80
138.0	0.00	0.0	741.0	741.0	0.00	578.80
139.0	0.00	0.0	741.0	741.0	0.00	578.80
140.0	0.00	0.0	741.0	741.0	0.00	578.80
141.0	0.00	0.0	741.0	741.0	0.00	578.80
142.0	0.00	0.0	741.0	741.0	0.00	578.80
143.0	0.00	0.0	741.0	741.0	0.00	578.80
144.0	0.00	0.0	741.0	741.0	0.00	578.80
145.0	0.00	0.0	741.0	741.0	0.00	578.80
146.0	0.00	0.0	741.0	741.0	0.00	578.80
147.0	0.00	0.0	741.0	741.0	0.00	578.80
148.0	0.00	0.0	741.0	741.0	0.00	578.80
149.0	0.00	0.0	741.0	741.0	0.00	578.80
150.0	0.00	0.0	741.0	741.0	0.00	578.80
151.0	0.00	0.0	741.0	741.0	0.00	578.80
152.0	0.00	0.0	741.0	741.0	0.00	578.80
153.0	0.00	0.0	741.0	741.0	0.00	578.80
154.0	0.00	0.0	741.0	741.0	0.00	578.80
155.0	0.00	0.0	741.0	741.0	0.00	578.80
156.0	0.00	0.0	741.0	741.0	0.00	578.80
157.0	0.00	0.0	741.0	741.0	0.00	578.80
158.0	0.00	0.0	741.0	741.0	0.00	578.80
159.0	0.00	0.0	741.0	741.0	0.00	578.80
160.0	0.00	0.0	741.0	741.0	0.00	578.80
161.0	0.00	0.0	741.0	741.0	0.00	578.80
162.0	0.00	0.0	741.0	741.0	0.00	578.80
163.0	0.00	0.0	741.0	741.0	0.00	578.80
164.0	0.00	0.0	741.0	741.0	0.00	578.80
165.0	0.00	0.0	741.0	741.0	0.00	578.80
166.0	0.00	0.0	741.0	741.0	0.00	578.80
167.0	0.00	0.0	741.0	741.0	0.00	578.80
168.0	0.00	0.0	741.0	741.0	0.00	578.80
169.0	0.00	0.0	741.0	741.0	0.00	578.80
170.0	0.00	0.0	741.0	741.0	0.00	578.80
171.0	0.00	0.0	741.0	741.0	0.00	578.80
172.0	0.00	0.0	741.0	741.0	0.00	578.80
173.0	0.00	0.0	741.0	741.0	0.00	578.80
174.0	0.00	0.0	741.0	741.0	0.00	578.80
175.0	0.00	0.0	741.0	741.0	0.00	578.80
176.0	0.00	0.0	741.0	741.0	0.00	578.80
177.0	0.00	0.0	741.0	741.0	0.00	578.80
178.0	0.00	0.0	741.0	741.0	0.00	578.80
179.0	0.00	0.0	741.0	741.0	0.00	578.80
180.0	0.00	0.0	741.0	741.0	0.00	578.80
181.0	0.00	0.0	741.0	741.0	0.00	578.80
182.0	0.00	0.0	741.0	741.0	0.00	578.80

nd File: j:\DATA\0312269\BASIN3BL.PND
 inflow Hydrograph: j:\DATA\0312269\25BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	741.0	741.0	0.00	578.80
184.0	0.00	0.0	741.0	741.0	0.00	578.80
185.0	0.00	0.0	741.0	741.0	0.00	578.80
186.0	0.00	0.0	741.0	741.0	0.00	578.80
187.0	0.00	0.0	741.0	741.0	0.00	578.80
188.0	0.00	0.0	741.0	741.0	0.00	578.80
189.0	0.00	0.0	741.0	741.0	0.00	578.80
190.0	0.00	0.0	741.0	741.0	0.00	578.80
191.0	0.00	0.0	741.0	741.0	0.00	578.80
192.0	0.00	0.0	741.0	741.0	0.00	578.80
193.0	0.00	0.0	741.0	741.0	0.00	578.80
194.0	0.00	0.0	741.0	741.0	0.00	578.80
195.0	0.00	0.0	741.0	741.0	0.00	578.80
196.0	0.00	0.0	741.0	741.0	0.00	578.80
197.0	0.00	0.0	741.0	741.0	0.00	578.80
198.0	0.00	0.0	741.0	741.0	0.00	578.80
199.0	0.00	0.0	741.0	741.0	0.00	578.80
200.0	0.00	0.0	741.0	741.0	0.00	578.80
201.0	0.00	0.0	741.0	741.0	0.00	578.80
202.0	0.00	0.0	741.0	741.0	0.00	578.80
203.0	0.00	0.0	741.0	741.0	0.00	578.80
204.0	0.00	0.0	741.0	741.0	0.00	578.80
205.0	0.00	0.0	741.0	741.0	0.00	578.80
206.0	0.00	0.0	741.0	741.0	0.00	578.80
207.0	0.00	0.0	741.0	741.0	0.00	578.80
208.0	0.00	0.0	741.0	741.0	0.00	578.80
209.0	0.00	0.0	741.0	741.0	0.00	578.80
210.0	0.00	0.0	741.0	741.0	0.00	578.80
211.0	0.00	0.0	741.0	741.0	0.00	578.80
212.0	0.00	0.0	741.0	741.0	0.00	578.80
213.0	0.00	0.0	741.0	741.0	0.00	578.80
214.0	0.00	0.0	741.0	741.0	0.00	578.80
215.0	0.00	0.0	741.0	741.0	0.00	578.80
216.0	0.00	0.0	741.0	741.0	0.00	578.80
217.0	0.00	0.0	741.0	741.0	0.00	578.80
218.0	0.00	0.0	741.0	741.0	0.00	578.80
219.0	0.00	0.0	741.0	741.0	0.00	578.80
220.0	0.00	0.0	741.0	741.0	0.00	578.80
221.0	0.00	0.0	741.0	741.0	0.00	578.80
222.0	0.00	0.0	741.0	741.0	0.00	578.80
223.0	0.00	0.0	741.0	741.0	0.00	578.80
224.0	0.00	0.0	741.0	741.0	0.00	578.80
225.0	0.00	0.0	741.0	741.0	0.00	578.80
226.0	0.00	0.0	741.0	741.0	0.00	578.80
227.0	0.00	0.0	741.0	741.0	0.00	578.80
228.0	0.00	0.0	741.0	741.0	0.00	578.80

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	741.0	741.0	0.00	578.80
230.0	0.00	0.0	741.0	741.0	0.00	578.80
231.0	0.00	0.0	741.0	741.0	0.00	578.80
232.0	0.00	0.0	741.0	741.0	0.00	578.80
233.0	0.00	0.0	741.0	741.0	0.00	578.80
234.0	0.00	0.0	741.0	741.0	0.00	578.80
235.0	0.00	0.0	741.0	741.0	0.00	578.80
236.0	0.00	0.0	741.0	741.0	0.00	578.80
237.0	0.00	0.0	741.0	741.0	0.00	578.80
238.0	0.00	0.0	741.0	741.0	0.00	578.80
239.0	0.00	0.0	741.0	741.0	0.00	578.80
240.0	0.00	0.0	741.0	741.0	0.00	578.80
241.0	0.00	0.0	741.0	741.0	0.00	578.80
242.0	0.00	0.0	741.0	741.0	0.00	578.80
243.0	0.00	0.0	741.0	741.0	0.00	578.80
244.0	0.00	0.0	741.0	741.0	0.00	578.80
245.0	0.00	0.0	741.0	741.0	0.00	578.80
246.0	0.00	0.0	741.0	741.0	0.00	578.80
247.0	0.00	0.0	741.0	741.0	0.00	578.80
248.0	0.00	0.0	741.0	741.0	0.00	578.80
249.0	0.00	0.0	741.0	741.0	0.00	578.80
250.0	0.00	0.0	741.0	741.0	0.00	578.80
251.0	0.00	0.0	741.0	741.0	0.00	578.80
252.0	0.00	0.0	741.0	741.0	0.00	578.80
253.0	0.00	0.0	741.0	741.0	0.00	578.80
254.0	0.00	0.0	741.0	741.0	0.00	578.80
255.0	0.00	0.0	741.0	741.0	0.00	578.80
256.0	0.00	0.0	741.0	741.0	0.00	578.80
257.0	0.00	0.0	741.0	741.0	0.00	578.80
258.0	0.00	0.0	741.0	741.0	0.00	578.80
259.0	0.00	0.0	741.0	741.0	0.00	578.80
260.0	0.00	0.0	741.0	741.0	0.00	578.80
261.0	0.00	0.0	741.0	741.0	0.00	578.80
262.0	0.00	0.0	741.0	741.0	0.00	578.80
263.0	0.00	0.0	741.0	741.0	0.00	578.80
264.0	0.00	0.0	741.0	741.0	0.00	578.80
265.0	0.00	0.0	741.0	741.0	0.00	578.80
266.0	0.00	0.0	741.0	741.0	0.00	578.80
267.0	0.00	0.0	741.0	741.0	0.00	578.80
268.0	0.00	0.0	741.0	741.0	0.00	578.80
269.0	0.00	0.0	741.0	741.0	0.00	578.80
270.0	0.00	0.0	741.0	741.0	0.00	578.80
271.0	0.00	0.0	741.0	741.0	0.00	578.80
272.0	0.00	0.0	741.0	741.0	0.00	578.80
273.0	0.00	0.0	741.0	741.0	0.00	578.80
274.0	0.00	0.0	741.0	741.0	0.00	578.80

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN3 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	741.0	741.0	0.00	578.80
276.0	0.00	0.0	741.0	741.0	0.00	578.80
277.0	0.00	0.0	741.0	741.0	0.00	578.80
278.0	0.00	0.0	741.0	741.0	0.00	578.80
279.0	0.00	0.0	741.0	741.0	0.00	578.80
280.0	0.00	0.0	741.0	741.0	0.00	578.80
281.0	0.00	0.0	741.0	741.0	0.00	578.80
282.0	0.00	0.0	741.0	741.0	0.00	578.80
283.0	0.00	0.0	741.0	741.0	0.00	578.80
284.0	0.00	0.0	741.0	741.0	0.00	578.80
285.0	0.00	0.0	741.0	741.0	0.00	578.80
286.0	0.00	0.0	741.0	741.0	0.00	578.80
287.0	0.00	0.0	741.0	741.0	0.00	578.80
288.0	0.00	0.0	741.0	741.0	0.00	578.80
289.0	0.00	0.0	741.0	741.0	0.00	578.80
290.0	0.00	0.0	741.0	741.0	0.00	578.80
291.0	0.00	0.0	741.0	741.0	0.00	578.80
292.0	0.00	0.0	741.0	741.0	0.00	578.80
293.0	0.00	0.0	741.0	741.0	0.00	578.80
294.0	0.00	0.0	741.0	741.0	0.00	578.80
295.0	0.00	0.0	741.0	741.0	0.00	578.80
296.0	0.00	0.0	741.0	741.0	0.00	578.80
297.0	0.00	0.0	741.0	741.0	0.00	578.80
298.0	0.00	0.0	741.0	741.0	0.00	578.80
299.0	0.00	0.0	741.0	741.0	0.00	578.80
300.0	0.00	0.0	741.0	741.0	0.00	578.80
301.0	0.00	0.0	741.0	741.0	0.00	578.80
302.0	0.00	0.0	741.0	741.0	0.00	578.80
303.0	0.00	0.0	741.0	741.0	0.00	578.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3BL.PND
Inflow Hydrograph: j:\DATA\0312269\25BASN3 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA325BL .HYD

Starting Pond W.S. Elevation = 578.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 31.56 cfs
Peak Outflow = 31.51 cfs
Peak Elevation = 579.66 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 22,230 cu-ft
Peak Storage From Storm = 6,835 cu-ft

Total Storage in Pond = 29,065 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   DETENTION BASIN #3          *
*   BLOCKED LOW FLOW            *
*
*
*
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Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Rating Table file: j:\DATA\0312269\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 578.80 ft
 Outflow = 0.00 cfs
 Storage = 22,230 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
578.80	0.0	22,230	741.0	741.0
579.00	3.4	23,713	790.4	793.8
579.20	9.7	25,253	841.8	851.5
579.40	17.9	26,851	895.0	912.9
579.60	27.6	28,509	950.3	977.9
579.80	39.7	30,228	1007.6	1047.3
580.00	47.0	32,008	1066.9	1113.9

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	741.0	741.0	0.00	578.80
1.0	8.10	8.1	748.1	749.1	0.52	578.83
2.0	16.21	24.3	768.3	772.4	2.02	578.92
3.0	24.31	40.5	798.8	808.9	5.04	579.05
4.0	32.42	56.7	835.0	855.5	10.24	579.21
5.0	40.52	72.9	873.5	908.0	17.24	579.38
6.0	40.52	81.0	906.3	954.5	24.11	579.53
7.0	40.52	81.0	928.9	987.4	29.25	579.63
8.0	40.52	81.0	943.5	1009.9	33.18	579.69
9.0	40.52	81.0	953.1	1024.6	35.74	579.73
10.0	40.52	81.0	959.3	1034.1	37.41	579.76
11.0	40.52	81.0	963.4	1040.4	38.49	579.78
12.0	40.52	81.0	966.0	1044.4	39.20	579.79
13.0	40.52	81.0	967.7	1047.1	39.66	579.80
14.0	40.52	81.0	969.1	1048.8	39.86	579.80
15.0	40.52	81.0	970.1	1050.1	40.01	579.81
16.0	40.52	81.0	970.9	1051.1	40.12	579.81
17.0	40.52	81.0	971.5	1051.9	40.21	579.81
18.0	40.52	81.0	972.0	1052.6	40.28	579.82
19.0	40.52	81.0	972.4	1053.0	40.33	579.82
20.0	40.52	81.0	972.7	1053.4	40.37	579.82
21.0	32.42	72.9	966.8	1045.6	39.41	579.80
22.0	24.31	56.7	952.4	1023.5	35.56	579.73
23.0	16.21	40.5	932.5	992.9	30.22	579.64
24.0	8.10	24.3	907.9	956.8	24.45	579.54
25.0	0.00	8.1	879.3	916.0	18.36	579.41
26.0	0.00	0.0	852.5	879.3	13.41	579.29
27.0	0.00	0.0	832.8	852.5	9.83	579.20
28.0	0.00	0.0	817.5	832.8	7.66	579.14
29.0	0.00	0.0	805.5	817.5	5.98	579.08
30.0	0.00	0.0	796.2	805.5	4.68	579.04
31.0	0.00	0.0	788.9	796.2	3.65	579.01
32.0	0.00	0.0	782.7	788.9	3.08	578.98
33.0	0.00	0.0	777.3	782.7	2.68	578.96
34.0	0.00	0.0	772.7	777.3	2.34	578.94
35.0	0.00	0.0	768.6	772.7	2.04	578.92
36.0	0.00	0.0	765.0	768.6	1.77	578.90
37.0	0.00	0.0	761.9	765.0	1.55	578.89
38.0	0.00	0.0	759.2	761.9	1.35	578.88
39.0	0.00	0.0	756.9	759.2	1.17	578.87
40.0	0.00	0.0	754.9	756.9	1.02	578.86
41.0	0.00	0.0	753.1	754.9	0.89	578.85
42.0	0.00	0.0	751.5	753.1	0.78	578.85
43.0	0.00	0.0	750.2	751.5	0.68	578.84
44.0	0.00	0.0	749.0	750.2	0.59	578.83

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	748.0	749.0	0.51	578.83
46.0	0.00	0.0	747.1	748.0	0.45	578.83
47.0	0.00	0.0	746.3	747.1	0.39	578.82
48.0	0.00	0.0	745.6	746.3	0.34	578.82
49.0	0.00	0.0	745.0	745.6	0.30	578.82
50.0	0.00	0.0	744.5	745.0	0.26	578.82
51.0	0.00	0.0	744.1	744.5	0.22	578.81
52.0	0.00	0.0	743.7	744.1	0.20	578.81
53.0	0.00	0.0	743.3	743.7	0.17	578.81
54.0	0.00	0.0	743.0	743.3	0.15	578.81
55.0	0.00	0.0	742.8	743.0	0.13	578.81
56.0	0.00	0.0	742.5	742.8	0.11	578.81
57.0	0.00	0.0	742.3	742.5	0.10	578.81
58.0	0.00	0.0	742.2	742.3	0.09	578.81
59.0	0.00	0.0	742.0	742.2	0.07	578.80
60.0	0.00	0.0	741.9	742.0	0.06	578.80
61.0	0.00	0.0	741.8	741.9	0.06	578.80
62.0	0.00	0.0	741.7	741.8	0.05	578.80
63.0	0.00	0.0	741.6	741.7	0.04	578.80
64.0	0.00	0.0	741.5	741.6	0.04	578.80
65.0	0.00	0.0	741.5	741.5	0.03	578.80
66.0	0.00	0.0	741.4	741.5	0.03	578.80
67.0	0.00	0.0	741.3	741.4	0.02	578.80
68.0	0.00	0.0	741.3	741.3	0.02	578.80
69.0	0.00	0.0	741.3	741.3	0.02	578.80
70.0	0.00	0.0	741.2	741.3	0.02	578.80
71.0	0.00	0.0	741.2	741.2	0.01	578.80
72.0	0.00	0.0	741.2	741.2	0.01	578.80
73.0	0.00	0.0	741.2	741.2	0.01	578.80
74.0	0.00	0.0	741.1	741.2	0.01	578.80
75.0	0.00	0.0	741.1	741.1	0.01	578.80
76.0	0.00	0.0	741.1	741.1	0.01	578.80
77.0	0.00	0.0	741.1	741.1	0.01	578.80
78.0	0.00	0.0	741.1	741.1	0.01	578.80
79.0	0.00	0.0	741.1	741.1	0.00	578.80
80.0	0.00	0.0	741.1	741.1	0.00	578.80
81.0	0.00	0.0	741.1	741.1	0.00	578.80
82.0	0.00	0.0	741.1	741.1	0.00	578.80
83.0	0.00	0.0	741.0	741.1	0.00	578.80
84.0	0.00	0.0	741.0	741.0	0.00	578.80
85.0	0.00	0.0	741.0	741.0	0.00	578.80
86.0	0.00	0.0	741.0	741.0	0.00	578.80
87.0	0.00	0.0	741.0	741.0	0.00	578.80
88.0	0.00	0.0	741.0	741.0	0.00	578.80
89.0	0.00	0.0	741.0	741.0	0.00	578.80
90.0	0.00	0.0	741.0	741.0	0.00	578.80

and File: j:\DATA\0312269\BASIN3BL.PND
 inflow Hydrograph: j:\DATA\0312269\100BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	741.0	741.0	0.00	578.80
92.0	0.00	0.0	741.0	741.0	0.00	578.80
93.0	0.00	0.0	741.0	741.0	0.00	578.80
94.0	0.00	0.0	741.0	741.0	0.00	578.80
95.0	0.00	0.0	741.0	741.0	0.00	578.80
96.0	0.00	0.0	741.0	741.0	0.00	578.80
97.0	0.00	0.0	741.0	741.0	0.00	578.80
98.0	0.00	0.0	741.0	741.0	0.00	578.80
99.0	0.00	0.0	741.0	741.0	0.00	578.80
100.0	0.00	0.0	741.0	741.0	0.00	578.80
101.0	0.00	0.0	741.0	741.0	0.00	578.80
102.0	0.00	0.0	741.0	741.0	0.00	578.80
103.0	0.00	0.0	741.0	741.0	0.00	578.80
104.0	0.00	0.0	741.0	741.0	0.00	578.80
105.0	0.00	0.0	741.0	741.0	0.00	578.80
106.0	0.00	0.0	741.0	741.0	0.00	578.80
107.0	0.00	0.0	741.0	741.0	0.00	578.80
108.0	0.00	0.0	741.0	741.0	0.00	578.80
109.0	0.00	0.0	741.0	741.0	0.00	578.80
110.0	0.00	0.0	741.0	741.0	0.00	578.80
111.0	0.00	0.0	741.0	741.0	0.00	578.80
112.0	0.00	0.0	741.0	741.0	0.00	578.80
113.0	0.00	0.0	741.0	741.0	0.00	578.80
114.0	0.00	0.0	741.0	741.0	0.00	578.80
115.0	0.00	0.0	741.0	741.0	0.00	578.80
116.0	0.00	0.0	741.0	741.0	0.00	578.80
117.0	0.00	0.0	741.0	741.0	0.00	578.80
118.0	0.00	0.0	741.0	741.0	0.00	578.80
119.0	0.00	0.0	741.0	741.0	0.00	578.80
120.0	0.00	0.0	741.0	741.0	0.00	578.80
121.0	0.00	0.0	741.0	741.0	0.00	578.80
122.0	0.00	0.0	741.0	741.0	0.00	578.80
123.0	0.00	0.0	741.0	741.0	0.00	578.80
124.0	0.00	0.0	741.0	741.0	0.00	578.80
125.0	0.00	0.0	741.0	741.0	0.00	578.80
126.0	0.00	0.0	741.0	741.0	0.00	578.80
127.0	0.00	0.0	741.0	741.0	0.00	578.80
128.0	0.00	0.0	741.0	741.0	0.00	578.80
129.0	0.00	0.0	741.0	741.0	0.00	578.80
130.0	0.00	0.0	741.0	741.0	0.00	578.80
131.0	0.00	0.0	741.0	741.0	0.00	578.80
132.0	0.00	0.0	741.0	741.0	0.00	578.80
133.0	0.00	0.0	741.0	741.0	0.00	578.80
134.0	0.00	0.0	741.0	741.0	0.00	578.80
135.0	0.00	0.0	741.0	741.0	0.00	578.80
136.0	0.00	0.0	741.0	741.0	0.00	578.80

nd File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	741.0	741.0	0.00	578.80
138.0	0.00	0.0	741.0	741.0	0.00	578.80
139.0	0.00	0.0	741.0	741.0	0.00	578.80
140.0	0.00	0.0	741.0	741.0	0.00	578.80
141.0	0.00	0.0	741.0	741.0	0.00	578.80
142.0	0.00	0.0	741.0	741.0	0.00	578.80
143.0	0.00	0.0	741.0	741.0	0.00	578.80
144.0	0.00	0.0	741.0	741.0	0.00	578.80
145.0	0.00	0.0	741.0	741.0	0.00	578.80
146.0	0.00	0.0	741.0	741.0	0.00	578.80
147.0	0.00	0.0	741.0	741.0	0.00	578.80
148.0	0.00	0.0	741.0	741.0	0.00	578.80
149.0	0.00	0.0	741.0	741.0	0.00	578.80
150.0	0.00	0.0	741.0	741.0	0.00	578.80
151.0	0.00	0.0	741.0	741.0	0.00	578.80
152.0	0.00	0.0	741.0	741.0	0.00	578.80
153.0	0.00	0.0	741.0	741.0	0.00	578.80
154.0	0.00	0.0	741.0	741.0	0.00	578.80
155.0	0.00	0.0	741.0	741.0	0.00	578.80
156.0	0.00	0.0	741.0	741.0	0.00	578.80
157.0	0.00	0.0	741.0	741.0	0.00	578.80
158.0	0.00	0.0	741.0	741.0	0.00	578.80
159.0	0.00	0.0	741.0	741.0	0.00	578.80
160.0	0.00	0.0	741.0	741.0	0.00	578.80
161.0	0.00	0.0	741.0	741.0	0.00	578.80
162.0	0.00	0.0	741.0	741.0	0.00	578.80
163.0	0.00	0.0	741.0	741.0	0.00	578.80
164.0	0.00	0.0	741.0	741.0	0.00	578.80
165.0	0.00	0.0	741.0	741.0	0.00	578.80
166.0	0.00	0.0	741.0	741.0	0.00	578.80
167.0	0.00	0.0	741.0	741.0	0.00	578.80
168.0	0.00	0.0	741.0	741.0	0.00	578.80
169.0	0.00	0.0	741.0	741.0	0.00	578.80
170.0	0.00	0.0	741.0	741.0	0.00	578.80
171.0	0.00	0.0	741.0	741.0	0.00	578.80
172.0	0.00	0.0	741.0	741.0	0.00	578.80
173.0	0.00	0.0	741.0	741.0	0.00	578.80
174.0	0.00	0.0	741.0	741.0	0.00	578.80
175.0	0.00	0.0	741.0	741.0	0.00	578.80
176.0	0.00	0.0	741.0	741.0	0.00	578.80
177.0	0.00	0.0	741.0	741.0	0.00	578.80
178.0	0.00	0.0	741.0	741.0	0.00	578.80
179.0	0.00	0.0	741.0	741.0	0.00	578.80
180.0	0.00	0.0	741.0	741.0	0.00	578.80
181.0	0.00	0.0	741.0	741.0	0.00	578.80
182.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	741.0	741.0	0.00	578.80
184.0	0.00	0.0	741.0	741.0	0.00	578.80
185.0	0.00	0.0	741.0	741.0	0.00	578.80
186.0	0.00	0.0	741.0	741.0	0.00	578.80
187.0	0.00	0.0	741.0	741.0	0.00	578.80
188.0	0.00	0.0	741.0	741.0	0.00	578.80
189.0	0.00	0.0	741.0	741.0	0.00	578.80
190.0	0.00	0.0	741.0	741.0	0.00	578.80
191.0	0.00	0.0	741.0	741.0	0.00	578.80
192.0	0.00	0.0	741.0	741.0	0.00	578.80
193.0	0.00	0.0	741.0	741.0	0.00	578.80
194.0	0.00	0.0	741.0	741.0	0.00	578.80
195.0	0.00	0.0	741.0	741.0	0.00	578.80
196.0	0.00	0.0	741.0	741.0	0.00	578.80
197.0	0.00	0.0	741.0	741.0	0.00	578.80
198.0	0.00	0.0	741.0	741.0	0.00	578.80
199.0	0.00	0.0	741.0	741.0	0.00	578.80
200.0	0.00	0.0	741.0	741.0	0.00	578.80
201.0	0.00	0.0	741.0	741.0	0.00	578.80
202.0	0.00	0.0	741.0	741.0	0.00	578.80
203.0	0.00	0.0	741.0	741.0	0.00	578.80
204.0	0.00	0.0	741.0	741.0	0.00	578.80
205.0	0.00	0.0	741.0	741.0	0.00	578.80
206.0	0.00	0.0	741.0	741.0	0.00	578.80
207.0	0.00	0.0	741.0	741.0	0.00	578.80
208.0	0.00	0.0	741.0	741.0	0.00	578.80
209.0	0.00	0.0	741.0	741.0	0.00	578.80
210.0	0.00	0.0	741.0	741.0	0.00	578.80
211.0	0.00	0.0	741.0	741.0	0.00	578.80
212.0	0.00	0.0	741.0	741.0	0.00	578.80
213.0	0.00	0.0	741.0	741.0	0.00	578.80
214.0	0.00	0.0	741.0	741.0	0.00	578.80
215.0	0.00	0.0	741.0	741.0	0.00	578.80
216.0	0.00	0.0	741.0	741.0	0.00	578.80
217.0	0.00	0.0	741.0	741.0	0.00	578.80
218.0	0.00	0.0	741.0	741.0	0.00	578.80
219.0	0.00	0.0	741.0	741.0	0.00	578.80
220.0	0.00	0.0	741.0	741.0	0.00	578.80
221.0	0.00	0.0	741.0	741.0	0.00	578.80
222.0	0.00	0.0	741.0	741.0	0.00	578.80
223.0	0.00	0.0	741.0	741.0	0.00	578.80
224.0	0.00	0.0	741.0	741.0	0.00	578.80
225.0	0.00	0.0	741.0	741.0	0.00	578.80
226.0	0.00	0.0	741.0	741.0	0.00	578.80
227.0	0.00	0.0	741.0	741.0	0.00	578.80
228.0	0.00	0.0	741.0	741.0	0.00	578.80

and File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	741.0	741.0	0.00	578.80
230.0	0.00	0.0	741.0	741.0	0.00	578.80
231.0	0.00	0.0	741.0	741.0	0.00	578.80
232.0	0.00	0.0	741.0	741.0	0.00	578.80
233.0	0.00	0.0	741.0	741.0	0.00	578.80
234.0	0.00	0.0	741.0	741.0	0.00	578.80
235.0	0.00	0.0	741.0	741.0	0.00	578.80
236.0	0.00	0.0	741.0	741.0	0.00	578.80
237.0	0.00	0.0	741.0	741.0	0.00	578.80
238.0	0.00	0.0	741.0	741.0	0.00	578.80
239.0	0.00	0.0	741.0	741.0	0.00	578.80
240.0	0.00	0.0	741.0	741.0	0.00	578.80
241.0	0.00	0.0	741.0	741.0	0.00	578.80
242.0	0.00	0.0	741.0	741.0	0.00	578.80
243.0	0.00	0.0	741.0	741.0	0.00	578.80
244.0	0.00	0.0	741.0	741.0	0.00	578.80
245.0	0.00	0.0	741.0	741.0	0.00	578.80
246.0	0.00	0.0	741.0	741.0	0.00	578.80
247.0	0.00	0.0	741.0	741.0	0.00	578.80
248.0	0.00	0.0	741.0	741.0	0.00	578.80
249.0	0.00	0.0	741.0	741.0	0.00	578.80
250.0	0.00	0.0	741.0	741.0	0.00	578.80
251.0	0.00	0.0	741.0	741.0	0.00	578.80
252.0	0.00	0.0	741.0	741.0	0.00	578.80
253.0	0.00	0.0	741.0	741.0	0.00	578.80
254.0	0.00	0.0	741.0	741.0	0.00	578.80
255.0	0.00	0.0	741.0	741.0	0.00	578.80
256.0	0.00	0.0	741.0	741.0	0.00	578.80
257.0	0.00	0.0	741.0	741.0	0.00	578.80
258.0	0.00	0.0	741.0	741.0	0.00	578.80
259.0	0.00	0.0	741.0	741.0	0.00	578.80
260.0	0.00	0.0	741.0	741.0	0.00	578.80
261.0	0.00	0.0	741.0	741.0	0.00	578.80
262.0	0.00	0.0	741.0	741.0	0.00	578.80
263.0	0.00	0.0	741.0	741.0	0.00	578.80
264.0	0.00	0.0	741.0	741.0	0.00	578.80
265.0	0.00	0.0	741.0	741.0	0.00	578.80
266.0	0.00	0.0	741.0	741.0	0.00	578.80
267.0	0.00	0.0	741.0	741.0	0.00	578.80
268.0	0.00	0.0	741.0	741.0	0.00	578.80
269.0	0.00	0.0	741.0	741.0	0.00	578.80
270.0	0.00	0.0	741.0	741.0	0.00	578.80
271.0	0.00	0.0	741.0	741.0	0.00	578.80
272.0	0.00	0.0	741.0	741.0	0.00	578.80
273.0	0.00	0.0	741.0	741.0	0.00	578.80
274.0	0.00	0.0	741.0	741.0	0.00	578.80

id File: j:\DATA\0312269\BASIN3BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	741.0	741.0	0.00	578.80
276.0	0.00	0.0	741.0	741.0	0.00	578.80
277.0	0.00	0.0	741.0	741.0	0.00	578.80
278.0	0.00	0.0	741.0	741.0	0.00	578.80
279.0	0.00	0.0	741.0	741.0	0.00	578.80
280.0	0.00	0.0	741.0	741.0	0.00	578.80
281.0	0.00	0.0	741.0	741.0	0.00	578.80
282.0	0.00	0.0	741.0	741.0	0.00	578.80
283.0	0.00	0.0	741.0	741.0	0.00	578.80
284.0	0.00	0.0	741.0	741.0	0.00	578.80
285.0	0.00	0.0	741.0	741.0	0.00	578.80
286.0	0.00	0.0	741.0	741.0	0.00	578.80
287.0	0.00	0.0	741.0	741.0	0.00	578.80
288.0	0.00	0.0	741.0	741.0	0.00	578.80
289.0	0.00	0.0	741.0	741.0	0.00	578.80
290.0	0.00	0.0	741.0	741.0	0.00	578.80
291.0	0.00	0.0	741.0	741.0	0.00	578.80
292.0	0.00	0.0	741.0	741.0	0.00	578.80
293.0	0.00	0.0	741.0	741.0	0.00	578.80
294.0	0.00	0.0	741.0	741.0	0.00	578.80
295.0	0.00	0.0	741.0	741.0	0.00	578.80
296.0	0.00	0.0	741.0	741.0	0.00	578.80
297.0	0.00	0.0	741.0	741.0	0.00	578.80
298.0	0.00	0.0	741.0	741.0	0.00	578.80
299.0	0.00	0.0	741.0	741.0	0.00	578.80
300.0	0.00	0.0	741.0	741.0	0.00	578.80
301.0	0.00	0.0	741.0	741.0	0.00	578.80
302.0	0.00	0.0	741.0	741.0	0.00	578.80
303.0	0.00	0.0	741.0	741.0	0.00	578.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN3BL.PND
Inflow Hydrograph: j:\DATA\0312269\100BASN3.HYD
Outflow Hydrograph: j:\DATA\0312269\BA3100BL.HYD

Starting Pond W.S. Elevation = 578.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 40.52 cfs
Peak Outflow = 40.37 cfs
Peak Elevation = 579.82 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 22,230 cu-ft
Peak Storage From Storm = 8,161 cu-ft

Total Storage in Pond = 30,391 cu-ft

THE VILLAGES @ SPRINGHURST
 DETENTION BASIN #4

CALCULATED 02-28-2005 16:14:28
 DISK FILE: j:\DATA\0312269\BASIN4 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
576.00	0.00	0	0	0	0
577.00	775.00	775	775	258	258
578.00	7,093.00	7,093	10,213	3,404	3,663
579.00	13,291.00	13,291	30,093	10,031	13,694
580.00	16,510.00	16,510	44,614	14,871	28,565
582.00	16,625.00	16,625	49,702	33,135	61,700
584.00	16,750.00	16,750	50,062	33,375	95,075

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 Ei = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for Ei

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

 THE VILLAGES @ SPRINGHURST
 DETENTION BASIN #4

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
-----	-----	-----
576.00	0.0	1
576.20	0.1	1
576.40	0.2	1
576.60	0.4	1
576.80	0.6	1
577.00	0.8	1
577.20	1.1	1
577.40	1.4	1
577.60	1.7	1
577.80	2.0	1
578.00	2.3	1
578.20	2.7	1
578.40	3.1	1
578.60	3.5	1
578.80	3.9	1
579.00	4.3	1
579.20	4.7	1
579.40	5.2	1
579.60	5.6	1
579.80	6.1	1
580.00	6.6	1
580.20	7.1	1
580.40	7.6	1
580.60	8.1	1
580.80	8.7	1
581.00	9.2	1
581.20	9.8	1
581.40	10.4	1
581.60	10.9	1
581.80	11.5	1
582.00	12.1	1
582.20	12.7	1
582.40	13.4	1
582.60	18.0	1 +3
582.80	35.5	1 +3
583.00	60.1	1 +3
583.20	90.2	1 +3
583.40	124.8	1 +3
583.60	161.0	2 +4
583.80	183.6	2 +4

584.00

203.6

2 +4

Outlet Structure File: BASIN4 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4

Outlet Structure File: j:\DATA\0312269\BASIN4 .STR
Planimeter Input File: j:\DATA\0312269\BASIN4 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN4 .PND

Min. Elev.(ft) = 576 Max. Elev.(ft) = 584 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN4 .PND

Outlet Structure File: BASIN4 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev.(ft)?	576
E2 elev.(ft)?	583.5
Weir coefficient?	3.3
Weir elev.(ft)?	576
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN4 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	583.5
E2 elev.(ft)?	584.001
Orifice coeff.?	.6
Invert elev.(ft)?	576
Datum elev.(ft) ?	579.75
Orifice area (sq ft)?	1.875

Outlet Structure File: BASIN4 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev.(ft)?	582.5
E2 elev.(ft)?	583.5
Weir coefficient?	3.3
Weir elev.(ft)?	582.5
Length (ft)?	38.41
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN4 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	583.5
E2 elev.(ft)?	584.001
Orifice coeff.?	.6
Invert elev.(ft)?	582.5
Datum elev.(ft) ?	583
Orifice area (sq ft)?	38.41


```

*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   DETENTION BASIN #4          *
*
*
*
*
*****
    
```

Inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4 .PND

----INITIAL CONDITIONS----
 Elevation = 576.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
576.00	0.0	0	0.0	0.0
576.20	0.1	2	0.1	0.2
576.40	0.2	17	0.6	0.8
576.60	0.4	56	1.9	2.3
576.80	0.6	132	4.4	5.0
577.00	0.8	258	8.6	9.4
577.20	1.1	485	16.2	17.3
577.40	1.4	887	29.6	31.0
577.60	1.7	1,517	50.6	52.3
577.80	2.0	2,425	80.8	82.8
578.00	2.3	3,663	122.1	124.4
578.20	2.7	5,188	172.9	175.6
578.40	3.1	6,939	231.3	234.4
578.60	3.5	8,929	297.6	301.1
578.80	3.9	11,176	372.5	376.4
579.00	4.3	13,694	456.4	460.7
579.20	4.7	16,413	547.1	551.8
579.40	5.2	19,258	641.9	647.1
579.60	5.6	22,229	741.0	746.6
579.80	6.1	25,330	844.3	850.4
580.00	6.6	28,565	952.2	958.8
580.20	7.1	31,868	1062.3	1069.4
580.40	7.6	35,174	1172.5	1180.1
580.60	8.1	38,481	1282.7	1290.8
580.80	8.7	41,791	1393.0	1401.7
581.00	9.2	45,104	1503.5	1512.7
581.20	9.8	48,419	1614.0	1623.8
581.40	10.4	51,736	1724.5	1734.9
581.60	10.9	55,054	1835.1	1846.0
581.80	11.5	58,376	1945.9	1957.4
582.00	12.1	61,700	2056.7	2068.8

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
582.20	12.7	65,026
582.40	13.4	68,356
582.60	18.0	71,686
582.80	35.5	75,020
583.00	60.1	78,356
583.20	90.2	81,695
583.40	124.8	85,037
583.60	161.0	88,380
583.80	183.6	91,726
584.00	203.6	95,075

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
2167.5	2180.2
2278.5	2291.9
2389.5	2407.5
2500.7	2536.2
2611.9	2672.0
2723.2	2813.4
2834.5	2959.3
2946.0	3107.0
3057.5	3241.1
3169.2	3372.8

Time increment (t) = 1.0 min.

id File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	576.00
1.0	3.39	3.4	2.4	3.4	0.48	576.68
2.0	10.18	13.6	13.9	16.0	1.05	577.17
3.0	13.57	23.8	34.7	37.6	1.49	577.46
4.0	16.97	30.5	61.5	65.2	1.83	577.68
5.0	20.36	37.3	94.6	98.9	2.12	577.88
6.0	27.14	47.5	137.3	142.1	2.44	578.07
7.0	30.54	57.7	189.3	194.9	2.83	578.27
8.0	33.93	64.5	247.3	253.7	3.22	578.46
9.0	33.93	67.9	308.0	315.2	3.57	578.64
10.0	33.93	67.9	368.1	375.9	3.90	578.80
11.0	33.93	67.9	427.6	436.0	4.18	578.94
12.0	33.93	67.9	486.5	495.4	4.45	579.08
13.0	33.93	67.9	545.0	554.4	4.71	579.21
14.0	33.93	67.9	602.8	612.8	5.02	579.33
15.0	33.93	67.9	660.1	670.7	5.29	579.45
16.0	33.93	67.9	716.9	727.9	5.53	579.56
17.0	33.93	67.9	773.2	784.7	5.78	579.67
18.0	33.93	67.9	828.9	841.0	6.05	579.78
19.0	33.93	67.9	884.2	896.8	6.31	579.89
20.0	33.93	67.9	938.9	952.0	6.57	579.99
21.0	30.54	64.5	989.7	1003.3	6.80	580.08
22.0	27.14	57.7	1033.4	1047.4	7.00	580.16
23.0	20.36	47.5	1066.6	1080.9	7.15	580.22
24.0	16.97	37.3	1089.4	1103.9	7.26	580.26
25.0	13.57	30.5	1105.3	1120.0	7.33	580.29
26.0	10.18	23.8	1114.3	1129.1	7.37	580.31
27.0	3.39	13.6	1113.2	1127.9	7.36	580.31
28.0	0.00	3.4	1101.9	1116.6	7.31	580.29
29.0	0.00	0.0	1087.4	1101.9	7.25	580.26
30.0	0.00	0.0	1073.1	1087.4	7.18	580.23
31.0	0.00	0.0	1058.8	1073.1	7.12	580.21
32.0	0.00	0.0	1044.7	1058.8	7.05	580.18
33.0	0.00	0.0	1030.8	1044.7	6.99	580.16
34.0	0.00	0.0	1016.9	1030.8	6.93	580.13
35.0	0.00	0.0	1003.2	1016.9	6.86	580.11
36.0	0.00	0.0	989.6	1003.2	6.80	580.08
37.0	0.00	0.0	976.1	989.6	6.74	580.06
38.0	0.00	0.0	962.7	976.1	6.68	580.03
39.0	0.00	0.0	949.5	962.7	6.62	580.01
40.0	0.00	0.0	936.4	949.5	6.56	579.98
41.0	0.00	0.0	923.4	936.4	6.50	579.96
42.0	0.00	0.0	910.5	923.4	6.44	579.93
43.0	0.00	0.0	897.8	910.5	6.38	579.91
44.0	0.00	0.0	885.1	897.8	6.32	579.89

id File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	872.6	885.1	6.26	579.86
46.0	0.00	0.0	860.2	872.6	6.20	579.84
47.0	0.00	0.0	847.9	860.2	6.15	579.82
48.0	0.00	0.0	835.7	847.9	6.09	579.80
49.0	0.00	0.0	823.7	835.7	6.03	579.77
50.0	0.00	0.0	811.7	823.7	5.97	579.75
51.0	0.00	0.0	799.9	811.7	5.91	579.73
52.0	0.00	0.0	788.2	799.9	5.86	579.70
53.0	0.00	0.0	776.6	788.2	5.80	579.68
54.0	0.00	0.0	765.1	776.6	5.74	579.66
55.0	0.00	0.0	753.7	765.1	5.69	579.64
56.0	0.00	0.0	742.5	753.7	5.63	579.61
57.0	0.00	0.0	731.3	742.5	5.58	579.59
58.0	0.00	0.0	720.2	731.3	5.54	579.57
59.0	0.00	0.0	709.2	720.2	5.49	579.55
60.0	0.00	0.0	698.3	709.2	5.45	579.52
61.0	0.00	0.0	687.5	698.3	5.41	579.50
62.0	0.00	0.0	676.8	687.5	5.36	579.48
63.0	0.00	0.0	666.2	676.8	5.32	579.46
64.0	0.00	0.0	655.6	666.2	5.28	579.44
65.0	0.00	0.0	645.1	655.6	5.23	579.42
66.0	0.00	0.0	634.8	645.1	5.19	579.40
67.0	0.00	0.0	624.5	634.8	5.14	579.37
68.0	0.00	0.0	614.3	624.5	5.08	579.35
69.0	0.00	0.0	604.3	614.3	5.03	579.33
70.0	0.00	0.0	594.3	604.3	4.98	579.31
71.0	0.00	0.0	584.5	594.3	4.92	579.29
72.0	0.00	0.0	574.7	584.5	4.87	579.27
73.0	0.00	0.0	565.1	574.7	4.82	579.25
74.0	0.00	0.0	555.6	565.1	4.77	579.23
75.0	0.00	0.0	546.1	555.6	4.72	579.21
76.0	0.00	0.0	536.8	546.1	4.67	579.19
77.0	0.00	0.0	527.5	536.8	4.63	579.17
78.0	0.00	0.0	518.3	527.5	4.59	579.15
79.0	0.00	0.0	509.2	518.3	4.55	579.13
80.0	0.00	0.0	500.2	509.2	4.51	579.11
81.0	0.00	0.0	491.2	500.2	4.47	579.09
82.0	0.00	0.0	482.4	491.2	4.43	579.07
83.0	0.00	0.0	473.6	482.4	4.39	579.05
84.0	0.00	0.0	464.9	473.6	4.36	579.03
85.0	0.00	0.0	456.2	464.9	4.32	579.01
86.0	0.00	0.0	447.7	456.2	4.28	578.99
87.0	0.00	0.0	439.2	447.7	4.24	578.97
88.0	0.00	0.0	430.8	439.2	4.20	578.95
89.0	0.00	0.0	422.5	430.8	4.16	578.93
90.0	0.00	0.0	414.2	422.5	4.12	578.91

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	406.1	414.2	4.08	578.89
92.0	0.00	0.0	398.0	406.1	4.04	578.87
93.0	0.00	0.0	390.0	398.0	4.00	578.85
94.0	0.00	0.0	382.1	390.0	3.96	578.83
95.0	0.00	0.0	374.2	382.1	3.93	578.81
96.0	0.00	0.0	366.4	374.2	3.89	578.79
97.0	0.00	0.0	358.7	366.4	3.85	578.77
98.0	0.00	0.0	351.1	358.7	3.81	578.75
99.0	0.00	0.0	343.6	351.1	3.77	578.73
100.0	0.00	0.0	336.2	343.6	3.73	578.71
101.0	0.00	0.0	328.8	336.2	3.69	578.69
102.0	0.00	0.0	321.5	328.8	3.65	578.67
103.0	0.00	0.0	314.3	321.5	3.61	578.65
104.0	0.00	0.0	307.1	314.3	3.57	578.63
105.0	0.00	0.0	300.1	307.1	3.53	578.62
106.0	0.00	0.0	293.1	300.1	3.49	578.60
107.0	0.00	0.0	286.2	293.1	3.45	578.58
108.0	0.00	0.0	279.4	286.2	3.41	578.56
109.0	0.00	0.0	272.6	279.4	3.37	578.53
110.0	0.00	0.0	266.0	272.6	3.33	578.51
111.0	0.00	0.0	259.4	266.0	3.29	578.49
112.0	0.00	0.0	252.9	259.4	3.25	578.47
113.0	0.00	0.0	246.5	252.9	3.21	578.46
114.0	0.00	0.0	240.1	246.5	3.17	578.44
115.0	0.00	0.0	233.8	240.1	3.13	578.42
116.0	0.00	0.0	227.7	233.8	3.10	578.40
117.0	0.00	0.0	221.5	227.7	3.05	578.38
118.0	0.00	0.0	215.5	221.5	3.01	578.36
119.0	0.00	0.0	209.6	215.5	2.97	578.34
120.0	0.00	0.0	203.7	209.6	2.93	578.32
121.0	0.00	0.0	197.9	203.7	2.89	578.30
122.0	0.00	0.0	192.2	197.9	2.85	578.28
123.0	0.00	0.0	186.6	192.2	2.81	578.26
124.0	0.00	0.0	181.1	186.6	2.77	578.24
125.0	0.00	0.0	175.6	181.1	2.74	578.22
126.0	0.00	0.0	170.2	175.6	2.70	578.20
127.0	0.00	0.0	164.9	170.2	2.66	578.18
128.0	0.00	0.0	159.6	164.9	2.62	578.16
129.0	0.00	0.0	154.5	159.6	2.58	578.14
130.0	0.00	0.0	149.4	154.5	2.53	578.12
131.0	0.00	0.0	144.4	149.4	2.50	578.10
132.0	0.00	0.0	139.5	144.4	2.46	578.08
133.0	0.00	0.0	134.7	139.5	2.42	578.06
134.0	0.00	0.0	129.9	134.7	2.38	578.04
135.0	0.00	0.0	125.2	129.9	2.34	578.02
136.0	0.00	0.0	120.6	125.2	2.31	578.00

and File: j:\DATA\0312269\BASIN4 .PND
 inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	116.1	120.6	2.27	577.98
138.0	0.00	0.0	111.6	116.1	2.24	577.96
139.0	0.00	0.0	107.2	111.6	2.21	577.94
140.0	0.00	0.0	102.8	107.2	2.18	577.92
141.0	0.00	0.0	98.5	102.8	2.14	577.90
142.0	0.00	0.0	94.3	98.5	2.11	577.88
143.0	0.00	0.0	90.1	94.3	2.08	577.86
144.0	0.00	0.0	86.0	90.1	2.05	577.84
145.0	0.00	0.0	82.0	86.0	2.02	577.82
146.0	0.00	0.0	78.0	82.0	1.99	577.79
147.0	0.00	0.0	74.1	78.0	1.95	577.77
148.0	0.00	0.0	70.3	74.1	1.91	577.74
149.0	0.00	0.0	66.5	70.3	1.88	577.72
150.0	0.00	0.0	62.8	66.5	1.84	577.69
151.0	0.00	0.0	59.2	62.8	1.80	577.67
152.0	0.00	0.0	55.7	59.2	1.77	577.65
153.0	0.00	0.0	52.2	55.7	1.73	577.62
154.0	0.00	0.0	48.8	52.2	1.70	577.60
155.0	0.00	0.0	45.5	48.8	1.65	577.57
156.0	0.00	0.0	42.3	45.5	1.61	577.54
157.0	0.00	0.0	39.2	42.3	1.56	577.51
158.0	0.00	0.0	36.2	39.2	1.52	577.48
159.0	0.00	0.0	33.2	36.2	1.47	577.45
160.0	0.00	0.0	30.4	33.2	1.43	577.42
161.0	0.00	0.0	27.6	30.4	1.39	577.39
162.0	0.00	0.0	24.9	27.6	1.33	577.35
163.0	0.00	0.0	22.4	24.9	1.27	577.31
164.0	0.00	0.0	20.0	22.4	1.21	577.27
165.0	0.00	0.0	17.7	20.0	1.16	577.24
166.0	0.00	0.0	15.4	17.7	1.11	577.21
167.0	0.00	0.0	13.4	15.4	1.03	577.15
168.0	0.00	0.0	11.5	13.4	0.95	577.10
169.0	0.00	0.0	9.7	11.5	0.88	577.05
170.0	0.00	0.0	8.1	9.7	0.81	577.01
171.0	0.00	0.0	6.6	8.1	0.74	576.94
172.0	0.00	0.0	5.3	6.6	0.67	576.87
173.0	0.00	0.0	4.0	5.3	0.61	576.81
174.0	0.00	0.0	3.0	4.0	0.53	576.73
175.0	0.00	0.0	2.1	3.0	0.45	576.65
176.0	0.00	0.0	1.3	2.1	0.38	576.58
177.0	0.00	0.0	0.8	1.3	0.28	576.48
178.0	0.00	0.0	0.4	0.8	0.20	576.40
179.0	0.00	0.0	0.1	0.4	0.13	576.27
180.0	0.00	0.0	-0.0	0.1	0.06	576.12
181.0	0.00	0.0	-0.0	-0.0	0.00	576.00
182.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	-0.0	-0.0	0.00	576.00
184.0	0.00	0.0	-0.0	-0.0	0.00	576.00
185.0	0.00	0.0	-0.0	-0.0	0.00	576.00
186.0	0.00	0.0	-0.0	-0.0	0.00	576.00
187.0	0.00	0.0	-0.0	-0.0	0.00	576.00
188.0	0.00	0.0	-0.0	-0.0	0.00	576.00
189.0	0.00	0.0	-0.0	-0.0	0.00	576.00
190.0	0.00	0.0	-0.0	-0.0	0.00	576.00
191.0	0.00	0.0	-0.0	-0.0	0.00	576.00
192.0	0.00	0.0	-0.0	-0.0	0.00	576.00
193.0	0.00	0.0	-0.0	-0.0	0.00	576.00
194.0	0.00	0.0	-0.0	-0.0	0.00	576.00
195.0	0.00	0.0	-0.0	-0.0	0.00	576.00
196.0	0.00	0.0	-0.0	-0.0	0.00	576.00
197.0	0.00	0.0	-0.0	-0.0	0.00	576.00
198.0	0.00	0.0	-0.0	-0.0	0.00	576.00
199.0	0.00	0.0	-0.0	-0.0	0.00	576.00
200.0	0.00	0.0	-0.0	-0.0	0.00	576.00
201.0	0.00	0.0	-0.0	-0.0	0.00	576.00
202.0	0.00	0.0	-0.0	-0.0	0.00	576.00
203.0	0.00	0.0	-0.0	-0.0	0.00	576.00
204.0	0.00	0.0	-0.0	-0.0	0.00	576.00
205.0	0.00	0.0	-0.0	-0.0	0.00	576.00
206.0	0.00	0.0	-0.0	-0.0	0.00	576.00
207.0	0.00	0.0	-0.0	-0.0	0.00	576.00
208.0	0.00	0.0	-0.0	-0.0	0.00	576.00
209.0	0.00	0.0	-0.0	-0.0	0.00	576.00
210.0	0.00	0.0	-0.0	-0.0	0.00	576.00
211.0	0.00	0.0	-0.0	-0.0	0.00	576.00
212.0	0.00	0.0	-0.0	-0.0	0.00	576.00
213.0	0.00	0.0	-0.0	-0.0	0.00	576.00
214.0	0.00	0.0	-0.0	-0.0	0.00	576.00
215.0	0.00	0.0	-0.0	-0.0	0.00	576.00
216.0	0.00	0.0	-0.0	-0.0	0.00	576.00
217.0	0.00	0.0	-0.0	-0.0	0.00	576.00
218.0	0.00	0.0	-0.0	-0.0	0.00	576.00
219.0	0.00	0.0	-0.0	-0.0	0.00	576.00
220.0	0.00	0.0	-0.0	-0.0	0.00	576.00
221.0	0.00	0.0	-0.0	-0.0	0.00	576.00
222.0	0.00	0.0	-0.0	-0.0	0.00	576.00
223.0	0.00	0.0	-0.0	-0.0	0.00	576.00
224.0	0.00	0.0	-0.0	-0.0	0.00	576.00
225.0	0.00	0.0	-0.0	-0.0	0.00	576.00
226.0	0.00	0.0	-0.0	-0.0	0.00	576.00
227.0	0.00	0.0	-0.0	-0.0	0.00	576.00
228.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	576.00
230.0	0.00	0.0	-0.0	-0.0	0.00	576.00
231.0	0.00	0.0	-0.0	-0.0	0.00	576.00
232.0	0.00	0.0	-0.0	-0.0	0.00	576.00
233.0	0.00	0.0	-0.0	-0.0	0.00	576.00
234.0	0.00	0.0	-0.0	-0.0	0.00	576.00
235.0	0.00	0.0	-0.0	-0.0	0.00	576.00
236.0	0.00	0.0	-0.0	-0.0	0.00	576.00
237.0	0.00	0.0	-0.0	-0.0	0.00	576.00
238.0	0.00	0.0	-0.0	-0.0	0.00	576.00
239.0	0.00	0.0	-0.0	-0.0	0.00	576.00
240.0	0.00	0.0	-0.0	-0.0	0.00	576.00
241.0	0.00	0.0	-0.0	-0.0	0.00	576.00
242.0	0.00	0.0	-0.0	-0.0	0.00	576.00
243.0	0.00	0.0	-0.0	-0.0	0.00	576.00
244.0	0.00	0.0	-0.0	-0.0	0.00	576.00
245.0	0.00	0.0	-0.0	-0.0	0.00	576.00
246.0	0.00	0.0	-0.0	-0.0	0.00	576.00
247.0	0.00	0.0	-0.0	-0.0	0.00	576.00
248.0	0.00	0.0	-0.0	-0.0	0.00	576.00
249.0	0.00	0.0	-0.0	-0.0	0.00	576.00
250.0	0.00	0.0	-0.0	-0.0	0.00	576.00
251.0	0.00	0.0	-0.0	-0.0	0.00	576.00
252.0	0.00	0.0	-0.0	-0.0	0.00	576.00
253.0	0.00	0.0	-0.0	-0.0	0.00	576.00
254.0	0.00	0.0	-0.0	-0.0	0.00	576.00
255.0	0.00	0.0	-0.0	-0.0	0.00	576.00
256.0	0.00	0.0	-0.0	-0.0	0.00	576.00
257.0	0.00	0.0	-0.0	-0.0	0.00	576.00
258.0	0.00	0.0	-0.0	-0.0	0.00	576.00
259.0	0.00	0.0	-0.0	-0.0	0.00	576.00
260.0	0.00	0.0	-0.0	-0.0	0.00	576.00
261.0	0.00	0.0	-0.0	-0.0	0.00	576.00
262.0	0.00	0.0	-0.0	-0.0	0.00	576.00
263.0	0.00	0.0	-0.0	-0.0	0.00	576.00
264.0	0.00	0.0	-0.0	-0.0	0.00	576.00
265.0	0.00	0.0	-0.0	-0.0	0.00	576.00
266.0	0.00	0.0	-0.0	-0.0	0.00	576.00
267.0	0.00	0.0	-0.0	-0.0	0.00	576.00
268.0	0.00	0.0	-0.0	-0.0	0.00	576.00
269.0	0.00	0.0	-0.0	-0.0	0.00	576.00
270.0	0.00	0.0	-0.0	-0.0	0.00	576.00
271.0	0.00	0.0	-0.0	-0.0	0.00	576.00
272.0	0.00	0.0	-0.0	-0.0	0.00	576.00
273.0	0.00	0.0	-0.0	-0.0	0.00	576.00
274.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN402 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	576.00
276.0	0.00	0.0	-0.0	-0.0	0.00	576.00
277.0	0.00	0.0	-0.0	-0.0	0.00	576.00
278.0	0.00	0.0	-0.0	-0.0	0.00	576.00
279.0	0.00	0.0	-0.0	-0.0	0.00	576.00
280.0	0.00	0.0	-0.0	-0.0	0.00	576.00
281.0	0.00	0.0	-0.0	-0.0	0.00	576.00
282.0	0.00	0.0	-0.0	-0.0	0.00	576.00
283.0	0.00	0.0	-0.0	-0.0	0.00	576.00
284.0	0.00	0.0	-0.0	-0.0	0.00	576.00
285.0	0.00	0.0	-0.0	-0.0	0.00	576.00
286.0	0.00	0.0	-0.0	-0.0	0.00	576.00
287.0	0.00	0.0	-0.0	-0.0	0.00	576.00
288.0	0.00	0.0	-0.0	-0.0	0.00	576.00
289.0	0.00	0.0	-0.0	-0.0	0.00	576.00
290.0	0.00	0.0	-0.0	-0.0	0.00	576.00
291.0	0.00	0.0	-0.0	-0.0	0.00	576.00
292.0	0.00	0.0	-0.0	-0.0	0.00	576.00
293.0	0.00	0.0	-0.0	-0.0	0.00	576.00
294.0	0.00	0.0	-0.0	-0.0	0.00	576.00
295.0	0.00	0.0	-0.0	-0.0	0.00	576.00
296.0	0.00	0.0	-0.0	-0.0	0.00	576.00
297.0	0.00	0.0	-0.0	-0.0	0.00	576.00
298.0	0.00	0.0	-0.0	-0.0	0.00	576.00
299.0	0.00	0.0	-0.0	-0.0	0.00	576.00
300.0	0.00	0.0	-0.0	-0.0	0.00	576.00
301.0	0.00	0.0	-0.0	-0.0	0.00	576.00
302.0	0.00	0.0	-0.0	-0.0	0.00	576.00
303.0	0.00	0.0	-0.0	-0.0	0.00	576.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4 .PND
Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN402 .HYD

Starting Pond W.S. Elevation = 576.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 33.93 cfs
Peak Outflow = 7.37 cfs
Peak Elevation = 580.31 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 33,651 cu-ft

Total Storage in Pond = 33,651 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #4 *
 *
 *
 *

Inflow Hydrograph: j:\DATA\0312269\15BASIN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4 .PND

----INITIAL CONDITIONS----
 Elevation = 576.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
576.00	0.0	0	0.0	0.0
576.20	0.1	2	0.1	0.2
576.40	0.2	17	0.6	0.8
576.60	0.4	56	1.9	2.3
576.80	0.6	132	4.4	5.0
577.00	0.8	258	8.6	9.4
577.20	1.1	485	16.2	17.3
577.40	1.4	887	29.6	31.0
577.60	1.7	1,517	50.6	52.3
577.80	2.0	2,425	80.8	82.8
578.00	2.3	3,663	122.1	124.4
578.20	2.7	5,188	172.9	175.6
578.40	3.1	6,939	231.3	234.4
578.60	3.5	8,929	297.6	301.1
578.80	3.9	11,176	372.5	376.4
579.00	4.3	13,694	456.4	460.7
579.20	4.7	16,413	547.1	551.8
579.40	5.2	19,258	641.9	647.1
579.60	5.6	22,229	741.0	746.6
579.80	6.1	25,330	844.3	850.4
580.00	6.6	28,565	952.2	958.8
580.20	7.1	31,868	1062.3	1069.4
580.40	7.6	35,174	1172.5	1180.1
580.60	8.1	38,481	1282.7	1290.8
580.80	8.7	41,791	1393.0	1401.7
581.00	9.2	45,104	1503.5	1512.7
581.20	9.8	48,419	1614.0	1623.8
581.40	10.4	51,736	1724.5	1734.9
581.60	10.9	55,054	1835.1	1846.0
581.80	11.5	58,376	1945.9	1957.4
582.00	12.1	61,700	2056.7	2068.8

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
582.20	12.7	65,026
582.40	13.4	68,356
582.60	18.0	71,686
582.80	35.5	75,020
583.00	60.1	78,356
583.20	90.2	81,695
583.40	124.8	85,037
583.60	161.0	88,380
583.80	183.6	91,726
584.00	203.6	95,075

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
2167.5	2180.2
2278.5	2291.9
2389.5	2407.5
2500.7	2536.2
2611.9	2672.0
2723.2	2813.4
2834.5	2959.3
2946.0	3107.0
3057.5	3241.1
3169.2	3372.8

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	576.00
1.0	5.53	5.5	4.3	5.5	0.62	576.82
2.0	16.60	22.1	23.8	26.4	1.30	577.33
3.0	22.13	38.7	58.9	62.5	1.80	577.67
4.0	27.66	49.8	104.4	108.7	2.19	577.92
5.0	33.19	60.8	160.0	165.2	2.62	578.16
6.0	44.26	77.4	231.2	237.4	3.12	578.41
7.0	49.79	94.1	318.0	325.2	3.63	578.66
8.0	55.32	105.1	414.8	423.1	4.12	578.91
9.0	55.32	110.6	516.3	525.5	4.58	579.14
10.0	55.32	110.6	616.8	627.0	5.09	579.36
11.0	55.32	110.6	716.4	727.4	5.52	579.56
12.0	55.32	110.6	815.0	827.0	5.99	579.75
13.0	55.32	110.6	912.8	925.7	6.45	579.94
14.0	55.32	110.6	1009.6	1023.4	6.89	580.12
15.0	55.32	110.6	1105.6	1120.3	7.33	580.29
16.0	55.32	110.6	1200.7	1216.2	7.76	580.47
17.0	55.32	110.6	1294.9	1311.4	8.21	580.64
18.0	55.32	110.6	1388.1	1405.6	8.72	580.81
19.0	55.32	110.6	1480.5	1498.8	9.14	580.97
20.0	55.32	110.6	1571.9	1591.2	9.62	581.14
21.0	49.79	105.1	1656.8	1677.0	10.09	581.30
22.0	44.26	94.1	1729.9	1750.9	10.47	581.43
23.0	33.19	77.4	1785.9	1807.4	10.73	581.53
24.0	27.66	60.8	1825.0	1846.8	10.90	581.60
25.0	22.13	49.8	1852.7	1874.8	11.05	581.65
26.0	16.60	38.7	1869.1	1891.4	11.14	581.68
27.0	5.53	22.1	1868.9	1891.2	11.14	581.68
28.0	0.00	5.5	1852.4	1874.5	11.05	581.65
29.0	0.00	0.0	1830.5	1852.4	10.93	581.61
30.0	0.00	0.0	1808.8	1830.5	10.83	581.57
31.0	0.00	0.0	1787.4	1808.8	10.73	581.53
32.0	0.00	0.0	1766.1	1787.4	10.64	581.49
33.0	0.00	0.0	1745.0	1766.1	10.54	581.46
34.0	0.00	0.0	1724.1	1745.0	10.45	581.42
35.0	0.00	0.0	1703.5	1724.1	10.34	581.38
36.0	0.00	0.0	1683.0	1703.5	10.23	581.34
37.0	0.00	0.0	1662.8	1683.0	10.12	581.31
38.0	0.00	0.0	1642.7	1662.8	10.01	581.27
39.0	0.00	0.0	1622.9	1642.7	9.90	581.23
40.0	0.00	0.0	1603.3	1622.9	9.80	581.20
41.0	0.00	0.0	1584.0	1603.3	9.69	581.16
42.0	0.00	0.0	1564.8	1584.0	9.59	581.13
43.0	0.00	0.0	1545.8	1564.8	9.48	581.09
44.0	0.00	0.0	1527.1	1545.8	9.38	581.06

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1508.5	1527.1	9.28	581.03
46.0	0.00	0.0	1490.1	1508.5	9.18	580.99
47.0	0.00	0.0	1471.9	1490.1	9.10	580.96
48.0	0.00	0.0	1453.9	1471.9	9.02	580.93
49.0	0.00	0.0	1436.0	1453.9	8.94	580.89
50.0	0.00	0.0	1418.3	1436.0	8.85	580.86
51.0	0.00	0.0	1400.8	1418.3	8.77	580.83
52.0	0.00	0.0	1383.4	1400.8	8.69	580.80
53.0	0.00	0.0	1366.2	1383.4	8.60	580.77
54.0	0.00	0.0	1349.2	1366.2	8.51	580.74
55.0	0.00	0.0	1332.3	1349.2	8.42	580.71
56.0	0.00	0.0	1315.7	1332.3	8.32	580.67
57.0	0.00	0.0	1299.2	1315.7	8.23	580.64
58.0	0.00	0.0	1282.9	1299.2	8.15	580.62
59.0	0.00	0.0	1266.8	1282.9	8.06	580.59
60.0	0.00	0.0	1250.8	1266.8	7.99	580.56
61.0	0.00	0.0	1235.0	1250.8	7.92	580.53
62.0	0.00	0.0	1219.3	1235.0	7.85	580.50
63.0	0.00	0.0	1203.7	1219.3	7.78	580.47
64.0	0.00	0.0	1188.3	1203.7	7.71	580.44
65.0	0.00	0.0	1173.0	1188.3	7.64	580.41
66.0	0.00	0.0	1157.9	1173.0	7.57	580.39
67.0	0.00	0.0	1142.9	1157.9	7.50	580.36
68.0	0.00	0.0	1128.0	1142.9	7.43	580.33
69.0	0.00	0.0	1113.3	1128.0	7.36	580.31
70.0	0.00	0.0	1098.7	1113.3	7.30	580.28
71.0	0.00	0.0	1084.3	1098.7	7.23	580.25
72.0	0.00	0.0	1069.9	1084.3	7.17	580.23
73.0	0.00	0.0	1055.7	1069.9	7.10	580.20
74.0	0.00	0.0	1041.6	1055.7	7.04	580.18
75.0	0.00	0.0	1027.7	1041.6	6.97	580.15
76.0	0.00	0.0	1013.9	1027.7	6.91	580.12
77.0	0.00	0.0	1000.2	1013.9	6.85	580.10
78.0	0.00	0.0	986.6	1000.2	6.79	580.07
79.0	0.00	0.0	973.1	986.6	6.73	580.05
80.0	0.00	0.0	959.8	973.1	6.67	580.03
81.0	0.00	0.0	946.6	959.8	6.60	580.00
82.0	0.00	0.0	933.5	946.6	6.54	579.98
83.0	0.00	0.0	920.5	933.5	6.48	579.95
84.0	0.00	0.0	907.7	920.5	6.42	579.93
85.0	0.00	0.0	895.0	907.7	6.36	579.91
86.0	0.00	0.0	882.4	895.0	6.31	579.88
87.0	0.00	0.0	869.9	882.4	6.25	579.86
88.0	0.00	0.0	857.5	869.9	6.19	579.84
89.0	0.00	0.0	845.2	857.5	6.13	579.81
90.0	0.00	0.0	833.1	845.2	6.07	579.79

id File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	821.0	833.1	6.02	579.77
92.0	0.00	0.0	809.1	821.0	5.96	579.74
93.0	0.00	0.0	797.3	809.1	5.90	579.72
94.0	0.00	0.0	785.6	797.3	5.84	579.70
95.0	0.00	0.0	774.1	785.6	5.79	579.68
96.0	0.00	0.0	762.6	774.1	5.73	579.65
97.0	0.00	0.0	751.2	762.6	5.68	579.63
98.0	0.00	0.0	740.0	751.2	5.62	579.61
99.0	0.00	0.0	728.8	740.0	5.57	579.59
100.0	0.00	0.0	717.8	728.8	5.53	579.56
101.0	0.00	0.0	706.8	717.8	5.48	579.54
102.0	0.00	0.0	695.9	706.8	5.44	579.52
103.0	0.00	0.0	685.1	695.9	5.40	579.50
104.0	0.00	0.0	674.4	685.1	5.35	579.48
105.0	0.00	0.0	663.8	674.4	5.31	579.45
106.0	0.00	0.0	653.3	663.8	5.27	579.43
107.0	0.00	0.0	642.8	653.3	5.22	579.41
108.0	0.00	0.0	632.5	642.8	5.18	579.39
109.0	0.00	0.0	622.2	632.5	5.12	579.37
110.0	0.00	0.0	612.1	622.2	5.07	579.35
111.0	0.00	0.0	602.1	612.1	5.02	579.33
112.0	0.00	0.0	592.1	602.1	4.96	579.31
113.0	0.00	0.0	582.3	592.1	4.91	579.28
114.0	0.00	0.0	572.6	582.3	4.86	579.26
115.0	0.00	0.0	563.0	572.6	4.81	579.24
116.0	0.00	0.0	553.5	563.0	4.76	579.22
117.0	0.00	0.0	544.0	553.5	4.71	579.20
118.0	0.00	0.0	534.7	544.0	4.67	579.18
119.0	0.00	0.0	525.5	534.7	4.62	579.16
120.0	0.00	0.0	516.3	525.5	4.58	579.14
121.0	0.00	0.0	507.2	516.3	4.54	579.12
122.0	0.00	0.0	498.2	507.2	4.50	579.10
123.0	0.00	0.0	489.3	498.2	4.46	579.08
124.0	0.00	0.0	480.4	489.3	4.43	579.06
125.0	0.00	0.0	471.6	480.4	4.39	579.04
126.0	0.00	0.0	462.9	471.6	4.35	579.02
127.0	0.00	0.0	454.3	462.9	4.31	579.00
128.0	0.00	0.0	445.8	454.3	4.27	578.98
129.0	0.00	0.0	437.3	445.8	4.23	578.96
130.0	0.00	0.0	429.0	437.3	4.19	578.94
131.0	0.00	0.0	420.7	429.0	4.15	578.92
132.0	0.00	0.0	412.4	420.7	4.11	578.90
133.0	0.00	0.0	404.3	412.4	4.07	578.89
134.0	0.00	0.0	396.2	404.3	4.03	578.87
135.0	0.00	0.0	388.2	396.2	3.99	578.85
136.0	0.00	0.0	380.3	388.2	3.96	578.83

id File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	372.5	380.3	3.92	578.81
138.0	0.00	0.0	364.7	372.5	3.88	578.79
139.0	0.00	0.0	357.1	364.7	3.84	578.77
140.0	0.00	0.0	349.5	357.1	3.80	578.75
141.0	0.00	0.0	342.0	349.5	3.76	578.73
142.0	0.00	0.0	334.5	342.0	3.72	578.71
143.0	0.00	0.0	327.2	334.5	3.68	578.69
144.0	0.00	0.0	319.9	327.2	3.64	578.67
145.0	0.00	0.0	312.7	319.9	3.60	578.65
146.0	0.00	0.0	305.6	312.7	3.56	578.63
147.0	0.00	0.0	298.5	305.6	3.52	578.61
148.0	0.00	0.0	291.5	298.5	3.48	578.59
149.0	0.00	0.0	284.7	291.5	3.44	578.57
150.0	0.00	0.0	277.9	284.7	3.40	578.55
151.0	0.00	0.0	271.1	277.9	3.36	578.53
152.0	0.00	0.0	264.5	271.1	3.32	578.51
153.0	0.00	0.0	257.9	264.5	3.28	578.49
154.0	0.00	0.0	251.5	257.9	3.24	578.47
155.0	0.00	0.0	245.1	251.5	3.20	578.45
156.0	0.00	0.0	238.7	245.1	3.16	578.43
157.0	0.00	0.0	232.5	238.7	3.13	578.41
158.0	0.00	0.0	226.3	232.5	3.09	578.39
159.0	0.00	0.0	220.2	226.3	3.04	578.37
160.0	0.00	0.0	214.2	220.2	3.00	578.35
161.0	0.00	0.0	208.3	214.2	2.96	578.33
162.0	0.00	0.0	202.4	208.3	2.92	578.31
163.0	0.00	0.0	196.7	202.4	2.88	578.29
164.0	0.00	0.0	191.0	196.7	2.84	578.27
165.0	0.00	0.0	185.4	191.0	2.80	578.25
166.0	0.00	0.0	179.8	185.4	2.77	578.23
167.0	0.00	0.0	174.4	179.8	2.73	578.21
168.0	0.00	0.0	169.0	174.4	2.69	578.20
169.0	0.00	0.0	163.7	169.0	2.65	578.17
170.0	0.00	0.0	158.5	163.7	2.61	578.15
171.0	0.00	0.0	153.4	158.5	2.57	578.13
172.0	0.00	0.0	148.3	153.4	2.53	578.11
173.0	0.00	0.0	143.3	148.3	2.49	578.09
174.0	0.00	0.0	138.4	143.3	2.45	578.07
175.0	0.00	0.0	133.6	138.4	2.41	578.05
176.0	0.00	0.0	128.9	133.6	2.37	578.04
177.0	0.00	0.0	124.2	128.9	2.34	578.02
178.0	0.00	0.0	119.6	124.2	2.30	578.00
179.0	0.00	0.0	115.1	119.6	2.27	577.98
180.0	0.00	0.0	110.6	115.1	2.23	577.96
181.0	0.00	0.0	106.2	110.6	2.20	577.93
182.0	0.00	0.0	101.9	106.2	2.17	577.91

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	97.6	101.9	2.14	577.89
184.0	0.00	0.0	93.4	97.6	2.11	577.87
185.0	0.00	0.0	89.2	93.4	2.08	577.85
186.0	0.00	0.0	85.1	89.2	2.05	577.83
187.0	0.00	0.0	81.1	85.1	2.02	577.81
188.0	0.00	0.0	77.1	81.1	1.98	577.79
189.0	0.00	0.0	73.3	77.1	1.94	577.76
190.0	0.00	0.0	69.4	73.3	1.91	577.74
191.0	0.00	0.0	65.7	69.4	1.87	577.71
192.0	0.00	0.0	62.0	65.7	1.83	577.69
193.0	0.00	0.0	58.5	62.0	1.80	577.66
194.0	0.00	0.0	54.9	58.5	1.76	577.64
195.0	0.00	0.0	51.5	54.9	1.73	577.62
196.0	0.00	0.0	48.1	51.5	1.69	577.59
197.0	0.00	0.0	44.8	48.1	1.64	577.56
198.0	0.00	0.0	41.6	44.8	1.59	577.53
199.0	0.00	0.0	38.5	41.6	1.55	577.50
200.0	0.00	0.0	35.5	38.5	1.51	577.47
201.0	0.00	0.0	32.6	35.5	1.46	577.44
202.0	0.00	0.0	29.7	32.6	1.42	577.42
203.0	0.00	0.0	27.0	29.7	1.37	577.38
204.0	0.00	0.0	24.4	27.0	1.31	577.34
205.0	0.00	0.0	21.9	24.4	1.26	577.30
206.0	0.00	0.0	19.5	21.9	1.20	577.27
207.0	0.00	0.0	17.2	19.5	1.15	577.23
208.0	0.00	0.0	15.0	17.2	1.10	577.20
209.0	0.00	0.0	12.9	15.0	1.01	577.14
210.0	0.00	0.0	11.1	12.9	0.94	577.09
211.0	0.00	0.0	9.3	11.1	0.86	577.04
212.0	0.00	0.0	7.8	9.3	0.80	577.00
213.0	0.00	0.0	6.3	7.8	0.72	576.92
214.0	0.00	0.0	5.0	6.3	0.66	576.86
215.0	0.00	0.0	3.8	5.0	0.60	576.80
216.0	0.00	0.0	2.8	3.8	0.51	576.71
217.0	0.00	0.0	1.9	2.8	0.44	576.64
218.0	0.00	0.0	1.2	1.9	0.35	576.55
219.0	0.00	0.0	0.7	1.2	0.26	576.46
220.0	0.00	0.0	0.3	0.7	0.19	576.37
221.0	0.00	0.0	0.1	0.3	0.12	576.24
222.0	0.00	0.0	-0.0	0.1	0.03	576.07
223.0	0.00	0.0	-0.0	-0.0	0.00	576.00
224.0	0.00	0.0	-0.0	-0.0	0.00	576.00
225.0	0.00	0.0	-0.0	-0.0	0.00	576.00
226.0	0.00	0.0	-0.0	-0.0	0.00	576.00
227.0	0.00	0.0	-0.0	-0.0	0.00	576.00
228.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	-0.0	-0.0	0.00	576.00
230.0	0.00	0.0	-0.0	-0.0	0.00	576.00
231.0	0.00	0.0	-0.0	-0.0	0.00	576.00
232.0	0.00	0.0	-0.0	-0.0	0.00	576.00
233.0	0.00	0.0	-0.0	-0.0	0.00	576.00
234.0	0.00	0.0	-0.0	-0.0	0.00	576.00
235.0	0.00	0.0	-0.0	-0.0	0.00	576.00
236.0	0.00	0.0	-0.0	-0.0	0.00	576.00
237.0	0.00	0.0	-0.0	-0.0	0.00	576.00
238.0	0.00	0.0	-0.0	-0.0	0.00	576.00
239.0	0.00	0.0	-0.0	-0.0	0.00	576.00
240.0	0.00	0.0	-0.0	-0.0	0.00	576.00
241.0	0.00	0.0	-0.0	-0.0	0.00	576.00
242.0	0.00	0.0	-0.0	-0.0	0.00	576.00
243.0	0.00	0.0	-0.0	-0.0	0.00	576.00
244.0	0.00	0.0	-0.0	-0.0	0.00	576.00
245.0	0.00	0.0	-0.0	-0.0	0.00	576.00
246.0	0.00	0.0	-0.0	-0.0	0.00	576.00
247.0	0.00	0.0	-0.0	-0.0	0.00	576.00
248.0	0.00	0.0	-0.0	-0.0	0.00	576.00
249.0	0.00	0.0	-0.0	-0.0	0.00	576.00
250.0	0.00	0.0	-0.0	-0.0	0.00	576.00
251.0	0.00	0.0	-0.0	-0.0	0.00	576.00
252.0	0.00	0.0	-0.0	-0.0	0.00	576.00
253.0	0.00	0.0	-0.0	-0.0	0.00	576.00
254.0	0.00	0.0	-0.0	-0.0	0.00	576.00
255.0	0.00	0.0	-0.0	-0.0	0.00	576.00
256.0	0.00	0.0	-0.0	-0.0	0.00	576.00
257.0	0.00	0.0	-0.0	-0.0	0.00	576.00
258.0	0.00	0.0	-0.0	-0.0	0.00	576.00
259.0	0.00	0.0	-0.0	-0.0	0.00	576.00
260.0	0.00	0.0	-0.0	-0.0	0.00	576.00
261.0	0.00	0.0	-0.0	-0.0	0.00	576.00
262.0	0.00	0.0	-0.0	-0.0	0.00	576.00
263.0	0.00	0.0	-0.0	-0.0	0.00	576.00
264.0	0.00	0.0	-0.0	-0.0	0.00	576.00
265.0	0.00	0.0	-0.0	-0.0	0.00	576.00
266.0	0.00	0.0	-0.0	-0.0	0.00	576.00
267.0	0.00	0.0	-0.0	-0.0	0.00	576.00
268.0	0.00	0.0	-0.0	-0.0	0.00	576.00
269.0	0.00	0.0	-0.0	-0.0	0.00	576.00
270.0	0.00	0.0	-0.0	-0.0	0.00	576.00
271.0	0.00	0.0	-0.0	-0.0	0.00	576.00
272.0	0.00	0.0	-0.0	-0.0	0.00	576.00
273.0	0.00	0.0	-0.0	-0.0	0.00	576.00
274.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN415 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	576.00
276.0	0.00	0.0	-0.0	-0.0	0.00	576.00
277.0	0.00	0.0	-0.0	-0.0	0.00	576.00
278.0	0.00	0.0	-0.0	-0.0	0.00	576.00
279.0	0.00	0.0	-0.0	-0.0	0.00	576.00
280.0	0.00	0.0	-0.0	-0.0	0.00	576.00
281.0	0.00	0.0	-0.0	-0.0	0.00	576.00
282.0	0.00	0.0	-0.0	-0.0	0.00	576.00
283.0	0.00	0.0	-0.0	-0.0	0.00	576.00
284.0	0.00	0.0	-0.0	-0.0	0.00	576.00
285.0	0.00	0.0	-0.0	-0.0	0.00	576.00
286.0	0.00	0.0	-0.0	-0.0	0.00	576.00
287.0	0.00	0.0	-0.0	-0.0	0.00	576.00
288.0	0.00	0.0	-0.0	-0.0	0.00	576.00
289.0	0.00	0.0	-0.0	-0.0	0.00	576.00
290.0	0.00	0.0	-0.0	-0.0	0.00	576.00
291.0	0.00	0.0	-0.0	-0.0	0.00	576.00
292.0	0.00	0.0	-0.0	-0.0	0.00	576.00
293.0	0.00	0.0	-0.0	-0.0	0.00	576.00
294.0	0.00	0.0	-0.0	-0.0	0.00	576.00
295.0	0.00	0.0	-0.0	-0.0	0.00	576.00
296.0	0.00	0.0	-0.0	-0.0	0.00	576.00
297.0	0.00	0.0	-0.0	-0.0	0.00	576.00
298.0	0.00	0.0	-0.0	-0.0	0.00	576.00
299.0	0.00	0.0	-0.0	-0.0	0.00	576.00
300.0	0.00	0.0	-0.0	-0.0	0.00	576.00
301.0	0.00	0.0	-0.0	-0.0	0.00	576.00
302.0	0.00	0.0	-0.0	-0.0	0.00	576.00
303.0	0.00	0.0	-0.0	-0.0	0.00	576.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4 .PND
Inflow Hydrograph: j:\DATA\0312269\15BASIN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASIN415 .HYD

Starting Pond W.S. Elevation = 576.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 55.32 cfs
Peak Outflow = 11.14 cfs
Peak Elevation = 581.68 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 56,407 cu-ft

Total Storage in Pond = 56,407 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #4 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\25BASIN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4 .PND

----INITIAL CONDITIONS----
 Elevation = 576.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
576.00	0.0	0	0.0	0.0
576.20	0.1	2	0.1	0.2
576.40	0.2	17	0.6	0.8
576.60	0.4	56	1.9	2.3
576.80	0.6	132	4.4	5.0
577.00	0.8	258	8.6	9.4
577.20	1.1	485	16.2	17.3
577.40	1.4	887	29.6	31.0
577.60	1.7	1,517	50.6	52.3
577.80	2.0	2,425	80.8	82.8
578.00	2.3	3,663	122.1	124.4
578.20	2.7	5,188	172.9	175.6
578.40	3.1	6,939	231.3	234.4
578.60	3.5	8,929	297.6	301.1
578.80	3.9	11,176	372.5	376.4
579.00	4.3	13,694	456.4	460.7
579.20	4.7	16,413	547.1	551.8
579.40	5.2	19,258	641.9	647.1
579.60	5.6	22,229	741.0	746.6
579.80	6.1	25,330	844.3	850.4
580.00	6.6	28,565	952.2	958.8
580.20	7.1	31,868	1062.3	1069.4
580.40	7.6	35,174	1172.5	1180.1
580.60	8.1	38,481	1282.7	1290.8
580.80	8.7	41,791	1393.0	1401.7
581.00	9.2	45,104	1503.5	1512.7
581.20	9.8	48,419	1614.0	1623.8
581.40	10.4	51,736	1724.5	1734.9
581.60	10.9	55,054	1835.1	1846.0
581.80	11.5	58,376	1945.9	1957.4
582.00	12.1	61,700	2056.7	2068.8

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
582.20	12.7	65,026
582.40	13.4	68,356
582.60	18.0	71,686
582.80	35.5	75,020
583.00	60.1	78,356
583.20	90.2	81,695
583.40	124.8	85,037
583.60	161.0	88,380
583.80	183.6	91,726
584.00	203.6	95,075

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
2167.5	2180.2
2278.5	2291.9
2389.5	2407.5
2500.7	2536.2
2611.9	2672.0
2723.2	2813.4
2834.5	2959.3
2946.0	3107.0
3057.5	3241.1
3169.2	3372.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	576.00
1.0	6.82	6.8	5.5	6.8	0.68	576.88
2.0	20.47	27.3	29.9	32.7	1.42	577.42
3.0	27.29	47.8	73.8	77.7	1.95	577.77
4.0	34.12	61.4	130.4	135.2	2.38	578.04
5.0	40.94	75.1	199.7	205.5	2.90	578.30
6.0	54.58	95.5	288.2	295.2	3.46	578.58
7.0	61.41	116.0	396.2	404.2	4.03	578.87
8.0	68.23	129.6	516.6	525.8	4.59	579.14
9.0	68.23	136.5	642.7	653.1	5.22	579.41
10.0	68.23	136.5	767.6	779.1	5.76	579.66
11.0	68.23	136.5	891.4	904.1	6.35	579.90
12.0	68.23	136.5	1014.0	1027.8	6.91	580.12
13.0	68.23	136.5	1135.5	1150.5	7.47	580.35
14.0	68.23	136.5	1256.0	1272.0	8.02	580.57
15.0	68.23	136.5	1375.1	1392.4	8.65	580.78
16.0	68.23	136.5	1493.2	1511.6	9.20	581.00
17.0	68.23	136.5	1610.0	1629.6	9.83	581.21
18.0	68.23	136.5	1725.5	1746.4	10.45	581.42
19.0	68.23	136.5	1840.0	1862.0	10.99	581.63
20.0	68.23	136.5	1953.3	1976.5	11.60	581.83
21.0	61.41	129.6	2058.6	2082.9	12.18	582.03
22.0	54.58	116.0	2149.2	2174.6	12.67	582.19
23.0	40.94	95.5	2218.5	2244.7	13.10	582.32
24.0	34.12	75.1	2266.7	2293.6	13.47	582.40
25.0	27.29	61.4	2298.4	2328.1	14.84	582.46
26.0	20.47	47.8	2315.0	2346.2	15.56	582.49
27.0	6.82	27.3	2311.5	2342.3	15.41	582.49
28.0	0.00	6.8	2289.4	2318.3	14.45	582.45
29.0	0.00	0.0	2262.7	2289.4	13.38	582.40
30.0	0.00	0.0	2236.2	2262.7	13.22	582.35
31.0	0.00	0.0	2210.1	2236.2	13.05	582.30
32.0	0.00	0.0	2184.4	2210.1	12.89	582.25
33.0	0.00	0.0	2158.9	2184.4	12.73	582.21
34.0	0.00	0.0	2133.7	2158.9	12.59	582.16
35.0	0.00	0.0	2108.8	2133.7	12.45	582.12
36.0	0.00	0.0	2084.2	2108.8	12.32	582.07
37.0	0.00	0.0	2059.8	2084.2	12.18	582.03
38.0	0.00	0.0	2035.7	2059.8	12.05	581.98
39.0	0.00	0.0	2011.9	2035.7	11.92	581.94
40.0	0.00	0.0	1988.3	2011.9	11.79	581.90
41.0	0.00	0.0	1965.0	1988.3	11.67	581.86
42.0	0.00	0.0	1941.9	1965.0	11.54	581.81
43.0	0.00	0.0	1919.1	1941.9	11.42	581.77
44.0	0.00	0.0	1896.5	1919.1	11.29	581.73

id File: j:\DATA\0312269\BASIN4 .PND
 inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1874.1	1896.5	11.17	581.69
46.0	0.00	0.0	1852.0	1874.1	11.05	581.65
47.0	0.00	0.0	1830.2	1852.0	10.93	581.61
48.0	0.00	0.0	1808.5	1830.2	10.83	581.57
49.0	0.00	0.0	1787.0	1808.5	10.73	581.53
50.0	0.00	0.0	1765.8	1787.0	10.63	581.49
51.0	0.00	0.0	1744.7	1765.8	10.54	581.46
52.0	0.00	0.0	1723.8	1744.7	10.44	581.42
53.0	0.00	0.0	1703.1	1723.8	10.34	581.38
54.0	0.00	0.0	1682.7	1703.1	10.23	581.34
55.0	0.00	0.0	1662.4	1682.7	10.12	581.31
56.0	0.00	0.0	1642.4	1662.4	10.01	581.27
57.0	0.00	0.0	1622.6	1642.4	9.90	581.23
58.0	0.00	0.0	1603.0	1622.6	9.79	581.20
59.0	0.00	0.0	1583.6	1603.0	9.69	581.16
60.0	0.00	0.0	1564.5	1583.6	9.58	581.13
61.0	0.00	0.0	1545.5	1564.5	9.48	581.09
62.0	0.00	0.0	1526.8	1545.5	9.38	581.06
63.0	0.00	0.0	1508.2	1526.8	9.28	581.03
64.0	0.00	0.0	1489.9	1508.2	9.18	580.99
65.0	0.00	0.0	1471.7	1489.9	9.10	580.96
66.0	0.00	0.0	1453.6	1471.7	9.02	580.93
67.0	0.00	0.0	1435.8	1453.6	8.93	580.89
68.0	0.00	0.0	1418.1	1435.8	8.85	580.86
69.0	0.00	0.0	1400.5	1418.1	8.77	580.83
70.0	0.00	0.0	1383.1	1400.5	8.69	580.80
71.0	0.00	0.0	1365.9	1383.1	8.60	580.77
72.0	0.00	0.0	1348.9	1365.9	8.51	580.74
73.0	0.00	0.0	1332.1	1348.9	8.41	580.70
74.0	0.00	0.0	1315.4	1332.1	8.32	580.67
75.0	0.00	0.0	1299.0	1315.4	8.23	580.64
76.0	0.00	0.0	1282.7	1299.0	8.14	580.61
77.0	0.00	0.0	1266.6	1282.7	8.06	580.59
78.0	0.00	0.0	1250.6	1266.6	7.99	580.56
79.0	0.00	0.0	1234.7	1250.6	7.92	580.53
80.0	0.00	0.0	1219.0	1234.7	7.85	580.50
81.0	0.00	0.0	1203.5	1219.0	7.78	580.47
82.0	0.00	0.0	1188.1	1203.5	7.71	580.44
83.0	0.00	0.0	1172.8	1188.1	7.64	580.41
84.0	0.00	0.0	1157.7	1172.8	7.57	580.39
85.0	0.00	0.0	1142.7	1157.7	7.50	580.36
86.0	0.00	0.0	1127.8	1142.7	7.43	580.33
87.0	0.00	0.0	1113.1	1127.8	7.36	580.31
88.0	0.00	0.0	1098.5	1113.1	7.30	580.28
89.0	0.00	0.0	1084.0	1098.5	7.23	580.25
90.0	0.00	0.0	1069.7	1084.0	7.17	580.23

Input File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1055.5	1069.7	7.10	580.20
92.0	0.00	0.0	1041.4	1055.5	7.04	580.17
93.0	0.00	0.0	1027.5	1041.4	6.97	580.15
94.0	0.00	0.0	1013.6	1027.5	6.91	580.12
95.0	0.00	0.0	999.9	1013.6	6.85	580.10
96.0	0.00	0.0	986.4	999.9	6.79	580.07
97.0	0.00	0.0	972.9	986.4	6.72	580.05
98.0	0.00	0.0	959.6	972.9	6.66	580.03
99.0	0.00	0.0	946.4	959.6	6.60	580.00
100.0	0.00	0.0	933.3	946.4	6.54	579.98
101.0	0.00	0.0	920.3	933.3	6.48	579.95
102.0	0.00	0.0	907.5	920.3	6.42	579.93
103.0	0.00	0.0	894.8	907.5	6.36	579.91
104.0	0.00	0.0	882.2	894.8	6.30	579.88
105.0	0.00	0.0	869.7	882.2	6.25	579.86
106.0	0.00	0.0	857.3	869.7	6.19	579.84
107.0	0.00	0.0	845.0	857.3	6.13	579.81
108.0	0.00	0.0	832.9	845.0	6.07	579.79
109.0	0.00	0.0	820.8	832.9	6.02	579.77
110.0	0.00	0.0	808.9	820.8	5.96	579.74
111.0	0.00	0.0	797.1	808.9	5.90	579.72
112.0	0.00	0.0	785.4	797.1	5.84	579.70
113.0	0.00	0.0	773.9	785.4	5.79	579.67
114.0	0.00	0.0	762.4	773.9	5.73	579.65
115.0	0.00	0.0	751.1	762.4	5.68	579.63
116.0	0.00	0.0	739.8	751.1	5.62	579.61
117.0	0.00	0.0	728.7	739.8	5.57	579.59
118.0	0.00	0.0	717.6	728.7	5.53	579.56
119.0	0.00	0.0	706.6	717.6	5.48	579.54
120.0	0.00	0.0	695.8	706.6	5.44	579.52
121.0	0.00	0.0	685.0	695.8	5.40	579.50
122.0	0.00	0.0	674.3	685.0	5.35	579.48
123.0	0.00	0.0	663.6	674.3	5.31	579.45
124.0	0.00	0.0	653.1	663.6	5.27	579.43
125.0	0.00	0.0	642.7	653.1	5.22	579.41
126.0	0.00	0.0	632.3	642.7	5.18	579.39
127.0	0.00	0.0	622.1	632.3	5.12	579.37
128.0	0.00	0.0	611.9	622.1	5.07	579.35
129.0	0.00	0.0	601.9	611.9	5.02	579.33
130.0	0.00	0.0	592.0	601.9	4.96	579.31
131.0	0.00	0.0	582.2	592.0	4.91	579.28
132.0	0.00	0.0	572.4	582.2	4.86	579.26
133.0	0.00	0.0	562.8	572.4	4.81	579.24
134.0	0.00	0.0	553.3	562.8	4.76	579.22
135.0	0.00	0.0	543.9	553.3	4.71	579.20
136.0	0.00	0.0	534.6	543.9	4.67	579.18

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	525.3	534.6	4.62	579.16
138.0	0.00	0.0	516.1	525.3	4.58	579.14
139.0	0.00	0.0	507.1	516.1	4.54	579.12
140.0	0.00	0.0	498.1	507.1	4.50	579.10
141.0	0.00	0.0	489.1	498.1	4.46	579.08
142.0	0.00	0.0	480.3	489.1	4.42	579.06
143.0	0.00	0.0	471.5	480.3	4.39	579.04
144.0	0.00	0.0	462.8	471.5	4.35	579.02
145.0	0.00	0.0	454.2	462.8	4.31	579.00
146.0	0.00	0.0	445.7	454.2	4.27	578.98
147.0	0.00	0.0	437.2	445.7	4.23	578.96
148.0	0.00	0.0	428.8	437.2	4.19	578.94
149.0	0.00	0.0	420.5	428.8	4.15	578.92
150.0	0.00	0.0	412.3	420.5	4.11	578.90
151.0	0.00	0.0	404.2	412.3	4.07	578.89
152.0	0.00	0.0	396.1	404.2	4.03	578.87
153.0	0.00	0.0	388.1	396.1	3.99	578.85
154.0	0.00	0.0	380.2	388.1	3.96	578.83
155.0	0.00	0.0	372.4	380.2	3.92	578.81
156.0	0.00	0.0	364.6	372.4	3.88	578.79
157.0	0.00	0.0	356.9	364.6	3.84	578.77
158.0	0.00	0.0	349.3	356.9	3.80	578.75
159.0	0.00	0.0	341.8	349.3	3.76	578.73
160.0	0.00	0.0	334.4	341.8	3.72	578.71
161.0	0.00	0.0	327.0	334.4	3.68	578.69
162.0	0.00	0.0	319.8	327.0	3.64	578.67
163.0	0.00	0.0	312.6	319.8	3.60	578.65
164.0	0.00	0.0	305.5	312.6	3.56	578.63
165.0	0.00	0.0	298.4	305.5	3.52	578.61
166.0	0.00	0.0	291.4	298.4	3.48	578.59
167.0	0.00	0.0	284.6	291.4	3.44	578.57
168.0	0.00	0.0	277.8	284.6	3.40	578.55
169.0	0.00	0.0	271.0	277.8	3.36	578.53
170.0	0.00	0.0	264.4	271.0	3.32	578.51
171.0	0.00	0.0	257.8	264.4	3.28	578.49
172.0	0.00	0.0	251.4	257.8	3.24	578.47
173.0	0.00	0.0	245.0	251.4	3.20	578.45
174.0	0.00	0.0	238.6	245.0	3.16	578.43
175.0	0.00	0.0	232.4	238.6	3.13	578.41
176.0	0.00	0.0	226.2	232.4	3.09	578.39
177.0	0.00	0.0	220.1	226.2	3.04	578.37
178.0	0.00	0.0	214.1	220.1	3.00	578.35
179.0	0.00	0.0	208.2	214.1	2.96	578.33
180.0	0.00	0.0	202.3	208.2	2.92	578.31
181.0	0.00	0.0	196.6	202.3	2.88	578.29
182.0	0.00	0.0	190.9	196.6	2.84	578.27

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	185.3	190.9	2.80	578.25
184.0	0.00	0.0	179.8	185.3	2.77	578.23
185.0	0.00	0.0	174.3	179.8	2.73	578.21
186.0	0.00	0.0	168.9	174.3	2.69	578.19
187.0	0.00	0.0	163.6	168.9	2.65	578.17
188.0	0.00	0.0	158.4	163.6	2.61	578.15
189.0	0.00	0.0	153.3	158.4	2.57	578.13
190.0	0.00	0.0	148.2	153.3	2.53	578.11
191.0	0.00	0.0	143.3	148.2	2.49	578.09
192.0	0.00	0.0	138.4	143.3	2.45	578.07
193.0	0.00	0.0	133.5	138.4	2.41	578.05
194.0	0.00	0.0	128.8	133.5	2.37	578.04
195.0	0.00	0.0	124.1	128.8	2.33	578.02
196.0	0.00	0.0	119.5	124.1	2.30	578.00
197.0	0.00	0.0	115.0	119.5	2.26	577.98
198.0	0.00	0.0	110.5	115.0	2.23	577.95
199.0	0.00	0.0	106.1	110.5	2.20	577.93
200.0	0.00	0.0	101.8	106.1	2.17	577.91
201.0	0.00	0.0	97.5	101.8	2.14	577.89
202.0	0.00	0.0	93.3	97.5	2.11	577.87
203.0	0.00	0.0	89.2	93.3	2.08	577.85
204.0	0.00	0.0	85.1	89.2	2.05	577.83
205.0	0.00	0.0	81.0	85.1	2.02	577.81
206.0	0.00	0.0	77.1	81.0	1.98	577.79
207.0	0.00	0.0	73.2	77.1	1.94	577.76
208.0	0.00	0.0	69.4	73.2	1.91	577.74
209.0	0.00	0.0	65.6	69.4	1.87	577.71
210.0	0.00	0.0	62.0	65.6	1.83	577.69
211.0	0.00	0.0	58.4	62.0	1.80	577.66
212.0	0.00	0.0	54.9	58.4	1.76	577.64
213.0	0.00	0.0	51.4	54.9	1.73	577.62
214.0	0.00	0.0	48.0	51.4	1.69	577.59
215.0	0.00	0.0	44.8	48.0	1.64	577.56
216.0	0.00	0.0	41.6	44.8	1.59	577.53
217.0	0.00	0.0	38.5	41.6	1.55	577.50
218.0	0.00	0.0	35.5	38.5	1.51	577.47
219.0	0.00	0.0	32.5	35.5	1.46	577.44
220.0	0.00	0.0	29.7	32.5	1.42	577.41
221.0	0.00	0.0	27.0	29.7	1.37	577.38
222.0	0.00	0.0	24.3	27.0	1.31	577.34
223.0	0.00	0.0	21.8	24.3	1.25	577.30
224.0	0.00	0.0	19.4	21.8	1.20	577.27
225.0	0.00	0.0	17.1	19.4	1.15	577.23
226.0	0.00	0.0	14.9	17.1	1.09	577.20
227.0	0.00	0.0	12.9	14.9	1.01	577.14
228.0	0.00	0.0	11.0	12.9	0.93	577.09

rd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	9.3	11.0	0.86	577.04
230.0	0.00	0.0	7.7	9.3	0.80	577.00
231.0	0.00	0.0	6.3	7.7	0.72	576.92
232.0	0.00	0.0	5.0	6.3	0.66	576.86
233.0	0.00	0.0	3.8	5.0	0.60	576.80
234.0	0.00	0.0	2.8	3.8	0.51	576.71
235.0	0.00	0.0	1.9	2.8	0.44	576.64
236.0	0.00	0.0	1.2	1.9	0.35	576.55
237.0	0.00	0.0	0.7	1.2	0.26	576.46
238.0	0.00	0.0	0.3	0.7	0.19	576.37
239.0	0.00	0.0	0.1	0.3	0.12	576.24
240.0	0.00	0.0	-0.0	0.1	0.03	576.06
241.0	0.00	0.0	-0.0	-0.0	0.00	576.00
242.0	0.00	0.0	-0.0	-0.0	0.00	576.00
243.0	0.00	0.0	-0.0	-0.0	0.00	576.00
244.0	0.00	0.0	-0.0	-0.0	0.00	576.00
245.0	0.00	0.0	-0.0	-0.0	0.00	576.00
246.0	0.00	0.0	-0.0	-0.0	0.00	576.00
247.0	0.00	0.0	-0.0	-0.0	0.00	576.00
248.0	0.00	0.0	-0.0	-0.0	0.00	576.00
249.0	0.00	0.0	-0.0	-0.0	0.00	576.00
250.0	0.00	0.0	-0.0	-0.0	0.00	576.00
251.0	0.00	0.0	-0.0	-0.0	0.00	576.00
252.0	0.00	0.0	-0.0	-0.0	0.00	576.00
253.0	0.00	0.0	-0.0	-0.0	0.00	576.00
254.0	0.00	0.0	-0.0	-0.0	0.00	576.00
255.0	0.00	0.0	-0.0	-0.0	0.00	576.00
256.0	0.00	0.0	-0.0	-0.0	0.00	576.00
257.0	0.00	0.0	-0.0	-0.0	0.00	576.00
258.0	0.00	0.0	-0.0	-0.0	0.00	576.00
259.0	0.00	0.0	-0.0	-0.0	0.00	576.00
260.0	0.00	0.0	-0.0	-0.0	0.00	576.00
261.0	0.00	0.0	-0.0	-0.0	0.00	576.00
262.0	0.00	0.0	-0.0	-0.0	0.00	576.00
263.0	0.00	0.0	-0.0	-0.0	0.00	576.00
264.0	0.00	0.0	-0.0	-0.0	0.00	576.00
265.0	0.00	0.0	-0.0	-0.0	0.00	576.00
266.0	0.00	0.0	-0.0	-0.0	0.00	576.00
267.0	0.00	0.0	-0.0	-0.0	0.00	576.00
268.0	0.00	0.0	-0.0	-0.0	0.00	576.00
269.0	0.00	0.0	-0.0	-0.0	0.00	576.00
270.0	0.00	0.0	-0.0	-0.0	0.00	576.00
271.0	0.00	0.0	-0.0	-0.0	0.00	576.00
272.0	0.00	0.0	-0.0	-0.0	0.00	576.00
273.0	0.00	0.0	-0.0	-0.0	0.00	576.00
274.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	576.00
276.0	0.00	0.0	-0.0	-0.0	0.00	576.00
277.0	0.00	0.0	-0.0	-0.0	0.00	576.00
278.0	0.00	0.0	-0.0	-0.0	0.00	576.00
279.0	0.00	0.0	-0.0	-0.0	0.00	576.00
280.0	0.00	0.0	-0.0	-0.0	0.00	576.00
281.0	0.00	0.0	-0.0	-0.0	0.00	576.00
282.0	0.00	0.0	-0.0	-0.0	0.00	576.00
283.0	0.00	0.0	-0.0	-0.0	0.00	576.00
284.0	0.00	0.0	-0.0	-0.0	0.00	576.00
285.0	0.00	0.0	-0.0	-0.0	0.00	576.00
286.0	0.00	0.0	-0.0	-0.0	0.00	576.00
287.0	0.00	0.0	-0.0	-0.0	0.00	576.00
288.0	0.00	0.0	-0.0	-0.0	0.00	576.00
289.0	0.00	0.0	-0.0	-0.0	0.00	576.00
290.0	0.00	0.0	-0.0	-0.0	0.00	576.00
291.0	0.00	0.0	-0.0	-0.0	0.00	576.00
292.0	0.00	0.0	-0.0	-0.0	0.00	576.00
293.0	0.00	0.0	-0.0	-0.0	0.00	576.00
294.0	0.00	0.0	-0.0	-0.0	0.00	576.00
295.0	0.00	0.0	-0.0	-0.0	0.00	576.00
296.0	0.00	0.0	-0.0	-0.0	0.00	576.00
297.0	0.00	0.0	-0.0	-0.0	0.00	576.00
298.0	0.00	0.0	-0.0	-0.0	0.00	576.00
299.0	0.00	0.0	-0.0	-0.0	0.00	576.00
300.0	0.00	0.0	-0.0	-0.0	0.00	576.00
301.0	0.00	0.0	-0.0	-0.0	0.00	576.00
302.0	0.00	0.0	-0.0	-0.0	0.00	576.00
303.0	0.00	0.0	-0.0	-0.0	0.00	576.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4 .PND
Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN425 .HYD

Starting Pond W.S. Elevation = 576.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 68.23 cfs
Peak Outflow = 15.56 cfs
Peak Elevation = 582.49 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 69,918 cu-ft

Total Storage in Pond = 69,918 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #4 *
 *
 *
 *

Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Rating Table file: j:\DATA\0312269\BASIN4 .PND

----INITIAL CONDITIONS----
 Elevation = 576.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
576.00	0.0	0	0.0	0.0
576.20	0.1	2	0.1	0.2
576.40	0.2	17	0.6	0.8
576.60	0.4	56	1.9	2.3
576.80	0.6	132	4.4	5.0
577.00	0.8	258	8.6	9.4
577.20	1.1	485	16.2	17.3
577.40	1.4	887	29.6	31.0
577.60	1.7	1,517	50.6	52.3
577.80	2.0	2,425	80.8	82.8
578.00	2.3	3,663	122.1	124.4
578.20	2.7	5,188	172.9	175.6
578.40	3.1	6,939	231.3	234.4
578.60	3.5	8,929	297.6	301.1
578.80	3.9	11,176	372.5	376.4
579.00	4.3	13,694	456.4	460.7
579.20	4.7	16,413	547.1	551.8
579.40	5.2	19,258	641.9	647.1
579.60	5.6	22,229	741.0	746.6
579.80	6.1	25,330	844.3	850.4
580.00	6.6	28,565	952.2	958.8
580.20	7.1	31,868	1062.3	1069.4
580.40	7.6	35,174	1172.5	1180.1
580.60	8.1	38,481	1282.7	1290.8
580.80	8.7	41,791	1393.0	1401.7
581.00	9.2	45,104	1503.5	1512.7
581.20	9.8	48,419	1614.0	1623.8
581.40	10.4	51,736	1724.5	1734.9
581.60	10.9	55,054	1835.1	1846.0
581.80	11.5	58,376	1945.9	1957.4
582.00	12.1	61,700	2056.7	2068.8

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
582.20	12.7	65,026
582.40	13.4	68,356
582.60	18.0	71,686
582.80	35.5	75,020
583.00	60.1	78,356
583.20	90.2	81,695
583.40	124.8	85,037
583.60	161.0	88,380
583.80	183.6	91,726
584.00	203.6	95,075

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
2167.5	2180.2
2278.5	2291.9
2389.5	2407.5
2500.7	2536.2
2611.9	2672.0
2723.2	2813.4
2834.5	2959.3
2946.0	3107.0
3057.5	3241.1
3169.2	3372.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN4 .PND
 inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	576.00
1.0	8.76	8.8	7.2	8.8	0.77	576.97
2.0	26.28	35.0	39.1	42.3	1.56	577.51
3.0	35.04	61.3	96.2	100.5	2.13	577.88
4.0	43.79	78.8	169.6	175.0	2.70	578.20
5.0	52.55	96.3	259.4	266.0	3.29	578.49
6.0	70.07	122.6	374.2	382.0	3.93	578.81
7.0	78.83	148.9	513.9	523.1	4.57	579.14
8.0	87.59	166.4	669.7	680.3	5.33	579.47
9.0	87.59	175.2	832.7	844.9	6.07	579.79
10.0	87.59	175.2	994.2	1007.9	6.82	580.09
11.0	87.59	175.2	1154.3	1169.4	7.55	580.38
12.0	87.59	175.2	1312.9	1329.5	8.31	580.67
13.0	87.59	175.2	1469.9	1488.1	9.09	580.96
14.0	87.59	175.2	1625.2	1645.1	9.92	581.24
15.0	87.59	175.2	1779.0	1800.4	10.69	581.52
16.0	87.59	175.2	1931.2	1954.2	11.48	581.79
17.0	87.59	175.2	2081.8	2106.4	12.30	582.07
18.0	87.59	175.2	2230.6	2257.0	13.18	582.34
19.0	87.59	175.2	2370.0	2405.8	17.93	582.60
20.0	87.59	175.2	2470.9	2545.1	37.13	582.81
21.0	78.83	166.4	2529.7	2637.3	53.82	582.95
22.0	70.07	148.9	2555.6	2678.6	61.50	583.01
23.0	52.55	122.6	2555.3	2678.2	61.42	583.01
24.0	43.79	96.3	2538.8	2651.7	56.42	582.97
25.0	35.04	78.8	2517.1	2617.7	50.26	582.92
26.0	26.28	61.3	2492.1	2578.4	43.16	582.86
27.0	8.76	35.0	2458.6	2527.2	34.28	582.79
28.0	0.00	8.8	2415.1	2467.4	26.14	582.69
29.0	0.00	0.0	2377.0	2415.1	19.03	582.61
30.0	0.00	0.0	2343.5	2377.0	16.79	582.55
31.0	0.00	0.0	2312.6	2343.5	15.45	582.49
32.0	0.00	0.0	2284.1	2312.6	14.22	582.44
33.0	0.00	0.0	2257.4	2284.1	13.35	582.39
34.0	0.00	0.0	2231.0	2257.4	13.18	582.34
35.0	0.00	0.0	2205.0	2231.0	13.02	582.29
36.0	0.00	0.0	2179.3	2205.0	12.86	582.24
37.0	0.00	0.0	2153.9	2179.3	12.69	582.20
38.0	0.00	0.0	2128.8	2153.9	12.56	582.15
39.0	0.00	0.0	2103.9	2128.8	12.42	582.11
40.0	0.00	0.0	2079.4	2103.9	12.29	582.06
41.0	0.00	0.0	2055.1	2079.4	12.16	582.02
42.0	0.00	0.0	2031.0	2055.1	12.03	581.98
43.0	0.00	0.0	2007.2	2031.0	11.90	581.93
44.0	0.00	0.0	1983.7	2007.2	11.77	581.89

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	1960.4	1983.7	11.64	581.85
46.0	0.00	0.0	1937.4	1960.4	11.52	581.81
47.0	0.00	0.0	1914.6	1937.4	11.39	581.76
48.0	0.00	0.0	1892.0	1914.6	11.27	581.72
49.0	0.00	0.0	1869.7	1892.0	11.15	581.68
50.0	0.00	0.0	1847.7	1869.7	11.03	581.64
51.0	0.00	0.0	1825.9	1847.7	10.91	581.60
52.0	0.00	0.0	1804.2	1825.9	10.81	581.56
53.0	0.00	0.0	1782.8	1804.2	10.71	581.52
54.0	0.00	0.0	1761.6	1782.8	10.62	581.49
55.0	0.00	0.0	1740.5	1761.6	10.52	581.45
56.0	0.00	0.0	1719.7	1740.5	10.43	581.41
57.0	0.00	0.0	1699.1	1719.7	10.32	581.37
58.0	0.00	0.0	1678.6	1699.1	10.21	581.34
59.0	0.00	0.0	1658.5	1678.6	10.10	581.30
60.0	0.00	0.0	1638.5	1658.5	9.99	581.26
61.0	0.00	0.0	1618.7	1638.5	9.88	581.23
62.0	0.00	0.0	1599.2	1618.7	9.77	581.19
63.0	0.00	0.0	1579.8	1599.2	9.67	581.16
64.0	0.00	0.0	1560.7	1579.8	9.56	581.12
65.0	0.00	0.0	1541.8	1560.7	9.46	581.09
66.0	0.00	0.0	1523.1	1541.8	9.36	581.05
67.0	0.00	0.0	1504.6	1523.1	9.26	581.02
68.0	0.00	0.0	1486.2	1504.6	9.16	580.99
69.0	0.00	0.0	1468.1	1486.2	9.08	580.95
70.0	0.00	0.0	1450.1	1468.1	9.00	580.92
71.0	0.00	0.0	1432.2	1450.1	8.92	580.89
72.0	0.00	0.0	1414.6	1432.2	8.84	580.86
73.0	0.00	0.0	1397.1	1414.6	8.76	580.82
74.0	0.00	0.0	1379.7	1397.1	8.67	580.79
75.0	0.00	0.0	1362.5	1379.7	8.58	580.76
76.0	0.00	0.0	1345.6	1362.5	8.49	580.73
77.0	0.00	0.0	1328.8	1345.6	8.40	580.70
78.0	0.00	0.0	1312.2	1328.8	8.31	580.67
79.0	0.00	0.0	1295.7	1312.2	8.22	580.64
80.0	0.00	0.0	1279.5	1295.7	8.13	580.61
81.0	0.00	0.0	1263.4	1279.5	8.05	580.58
82.0	0.00	0.0	1247.4	1263.4	7.98	580.55
83.0	0.00	0.0	1231.6	1247.4	7.90	580.52
84.0	0.00	0.0	1216.0	1231.6	7.83	580.49
85.0	0.00	0.0	1200.4	1216.0	7.76	580.46
86.0	0.00	0.0	1185.0	1200.4	7.69	580.44
87.0	0.00	0.0	1169.8	1185.0	7.62	580.41
88.0	0.00	0.0	1154.7	1169.8	7.55	580.38
89.0	0.00	0.0	1139.7	1154.7	7.49	580.35
90.0	0.00	0.0	1124.9	1139.7	7.42	580.33

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	1110.2	1124.9	7.35	580.30
92.0	0.00	0.0	1095.6	1110.2	7.28	580.27
93.0	0.00	0.0	1081.2	1095.6	7.22	580.25
94.0	0.00	0.0	1066.9	1081.2	7.15	580.22
95.0	0.00	0.0	1052.7	1066.9	7.09	580.20
96.0	0.00	0.0	1038.7	1052.7	7.02	580.17
97.0	0.00	0.0	1024.7	1038.7	6.96	580.14
98.0	0.00	0.0	1010.9	1024.7	6.90	580.12
99.0	0.00	0.0	997.3	1010.9	6.84	580.09
100.0	0.00	0.0	983.7	997.3	6.77	580.07
101.0	0.00	0.0	970.3	983.7	6.71	580.05
102.0	0.00	0.0	957.0	970.3	6.65	580.02
103.0	0.00	0.0	943.8	957.0	6.59	580.00
104.0	0.00	0.0	930.7	943.8	6.53	579.97
105.0	0.00	0.0	917.8	930.7	6.47	579.95
106.0	0.00	0.0	905.0	917.8	6.41	579.92
107.0	0.00	0.0	892.3	905.0	6.35	579.90
108.0	0.00	0.0	879.7	892.3	6.29	579.88
109.0	0.00	0.0	867.2	879.7	6.24	579.85
110.0	0.00	0.0	854.9	867.2	6.18	579.83
111.0	0.00	0.0	842.6	854.9	6.12	579.81
112.0	0.00	0.0	830.5	842.6	6.06	579.78
113.0	0.00	0.0	818.5	830.5	6.00	579.76
114.0	0.00	0.0	806.6	818.5	5.95	579.74
115.0	0.00	0.0	794.8	806.6	5.89	579.72
116.0	0.00	0.0	783.2	794.8	5.83	579.69
117.0	0.00	0.0	771.6	783.2	5.78	579.67
118.0	0.00	0.0	760.2	771.6	5.72	579.65
119.0	0.00	0.0	748.8	760.2	5.67	579.63
120.0	0.00	0.0	737.6	748.8	5.61	579.60
121.0	0.00	0.0	726.5	737.6	5.56	579.58
122.0	0.00	0.0	715.4	726.5	5.52	579.56
123.0	0.00	0.0	704.5	715.4	5.47	579.54
124.0	0.00	0.0	693.6	704.5	5.43	579.52
125.0	0.00	0.0	682.9	693.6	5.39	579.49
126.0	0.00	0.0	672.2	682.9	5.34	579.47
127.0	0.00	0.0	661.6	672.2	5.30	579.45
128.0	0.00	0.0	651.0	661.6	5.26	579.43
129.0	0.00	0.0	640.6	651.0	5.22	579.41
130.0	0.00	0.0	630.3	640.6	5.17	579.39
131.0	0.00	0.0	620.1	630.3	5.11	579.36
132.0	0.00	0.0	609.9	620.1	5.06	579.34
133.0	0.00	0.0	599.9	609.9	5.00	579.32
134.0	0.00	0.0	590.0	599.9	4.95	579.30
135.0	0.00	0.0	580.2	590.0	4.90	579.28
136.0	0.00	0.0	570.5	580.2	4.85	579.26

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	560.9	570.5	4.80	579.24
138.0	0.00	0.0	551.4	560.9	4.75	579.22
139.0	0.00	0.0	542.0	551.4	4.70	579.20
140.0	0.00	0.0	532.7	542.0	4.66	579.18
141.0	0.00	0.0	523.5	532.7	4.62	579.16
142.0	0.00	0.0	514.3	523.5	4.58	579.14
143.0	0.00	0.0	505.3	514.3	4.54	579.12
144.0	0.00	0.0	496.3	505.3	4.50	579.10
145.0	0.00	0.0	487.4	496.3	4.46	579.08
146.0	0.00	0.0	478.5	487.4	4.42	579.06
147.0	0.00	0.0	469.8	478.5	4.38	579.04
148.0	0.00	0.0	461.1	469.8	4.34	579.02
149.0	0.00	0.0	452.5	461.1	4.30	579.00
150.0	0.00	0.0	444.0	452.5	4.26	578.98
151.0	0.00	0.0	435.5	444.0	4.22	578.96
152.0	0.00	0.0	427.2	435.5	4.18	578.94
153.0	0.00	0.0	418.9	427.2	4.14	578.92
154.0	0.00	0.0	410.7	418.9	4.10	578.90
155.0	0.00	0.0	402.6	410.7	4.06	578.88
156.0	0.00	0.0	394.5	402.6	4.02	578.86
157.0	0.00	0.0	386.5	394.5	3.99	578.84
158.0	0.00	0.0	378.7	386.5	3.95	578.82
159.0	0.00	0.0	370.8	378.7	3.91	578.81
160.0	0.00	0.0	363.1	370.8	3.87	578.79
161.0	0.00	0.0	355.4	363.1	3.83	578.76
162.0	0.00	0.0	347.9	355.4	3.79	578.74
163.0	0.00	0.0	340.4	347.9	3.75	578.72
164.0	0.00	0.0	332.9	340.4	3.71	578.70
165.0	0.00	0.0	325.6	332.9	3.67	578.68
166.0	0.00	0.0	318.3	325.6	3.63	578.66
167.0	0.00	0.0	311.2	318.3	3.59	578.65
168.0	0.00	0.0	304.1	311.2	3.55	578.63
169.0	0.00	0.0	297.0	304.1	3.52	578.61
170.0	0.00	0.0	290.1	297.0	3.48	578.59
171.0	0.00	0.0	283.2	290.1	3.43	578.57
172.0	0.00	0.0	276.4	283.2	3.39	578.55
173.0	0.00	0.0	269.7	276.4	3.35	578.53
174.0	0.00	0.0	263.1	269.7	3.31	578.51
175.0	0.00	0.0	256.5	263.1	3.27	578.49
176.0	0.00	0.0	250.1	256.5	3.23	578.47
177.0	0.00	0.0	243.7	250.1	3.19	578.45
178.0	0.00	0.0	237.4	243.7	3.16	578.43
179.0	0.00	0.0	231.1	237.4	3.12	578.41
180.0	0.00	0.0	225.0	231.1	3.08	578.39
181.0	0.00	0.0	218.9	225.0	3.04	578.37
182.0	0.00	0.0	212.9	218.9	2.99	578.35

and File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	207.0	212.9	2.95	578.33
184.0	0.00	0.0	201.2	207.0	2.91	578.31
185.0	0.00	0.0	195.4	201.2	2.87	578.29
186.0	0.00	0.0	189.8	195.4	2.83	578.27
187.0	0.00	0.0	184.2	189.8	2.80	578.25
188.0	0.00	0.0	178.7	184.2	2.76	578.23
189.0	0.00	0.0	173.2	178.7	2.72	578.21
190.0	0.00	0.0	167.9	173.2	2.68	578.19
191.0	0.00	0.0	162.6	167.9	2.64	578.17
192.0	0.00	0.0	157.4	162.6	2.60	578.15
193.0	0.00	0.0	152.3	157.4	2.56	578.13
194.0	0.00	0.0	147.2	152.3	2.52	578.11
195.0	0.00	0.0	142.3	147.2	2.48	578.09
196.0	0.00	0.0	137.4	142.3	2.44	578.07
197.0	0.00	0.0	132.6	137.4	2.40	578.05
198.0	0.00	0.0	127.9	132.6	2.36	578.03
199.0	0.00	0.0	123.2	127.9	2.33	578.01
200.0	0.00	0.0	118.6	123.2	2.29	577.99
201.0	0.00	0.0	114.1	118.6	2.26	577.97
202.0	0.00	0.0	109.7	114.1	2.23	577.95
203.0	0.00	0.0	105.3	109.7	2.19	577.93
204.0	0.00	0.0	101.0	105.3	2.16	577.91
205.0	0.00	0.0	96.7	101.0	2.13	577.89
206.0	0.00	0.0	92.5	96.7	2.10	577.87
207.0	0.00	0.0	88.4	92.5	2.07	577.85
208.0	0.00	0.0	84.3	88.4	2.04	577.83
209.0	0.00	0.0	80.3	84.3	2.01	577.81
210.0	0.00	0.0	76.3	80.3	1.97	577.78
211.0	0.00	0.0	72.4	76.3	1.94	577.76
212.0	0.00	0.0	68.6	72.4	1.90	577.73
213.0	0.00	0.0	64.9	68.6	1.86	577.71
214.0	0.00	0.0	61.3	64.9	1.82	577.68
215.0	0.00	0.0	57.7	61.3	1.79	577.66
216.0	0.00	0.0	54.2	57.7	1.75	577.64
217.0	0.00	0.0	50.7	54.2	1.72	577.61
218.0	0.00	0.0	47.4	50.7	1.68	577.59
219.0	0.00	0.0	44.1	47.4	1.63	577.55
220.0	0.00	0.0	41.0	44.1	1.59	577.52
221.0	0.00	0.0	37.9	41.0	1.54	577.49
222.0	0.00	0.0	34.9	37.9	1.50	577.46
223.0	0.00	0.0	32.0	34.9	1.46	577.44
224.0	0.00	0.0	29.1	32.0	1.41	577.41
225.0	0.00	0.0	26.4	29.1	1.36	577.37
226.0	0.00	0.0	23.8	26.4	1.30	577.33
227.0	0.00	0.0	21.3	23.8	1.24	577.30
228.0	0.00	0.0	19.0	21.3	1.19	577.26

id File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	16.7	19.0	1.14	577.22
230.0	0.00	0.0	14.5	16.7	1.08	577.19
231.0	0.00	0.0	12.5	14.5	1.00	577.13
232.0	0.00	0.0	10.7	12.5	0.92	577.08
233.0	0.00	0.0	9.0	10.7	0.85	577.03
234.0	0.00	0.0	7.4	9.0	0.78	576.98
235.0	0.00	0.0	6.0	7.4	0.71	576.91
236.0	0.00	0.0	4.7	6.0	0.65	576.85
237.0	0.00	0.0	3.6	4.7	0.58	576.78
238.0	0.00	0.0	2.6	3.6	0.50	576.70
239.0	0.00	0.0	1.7	2.6	0.42	576.62
240.0	0.00	0.0	1.1	1.7	0.33	576.53
241.0	0.00	0.0	0.6	1.1	0.24	576.44
242.0	0.00	0.0	0.2	0.6	0.17	576.34
243.0	0.00	0.0	0.0	0.2	0.11	576.22
244.0	0.00	0.0	-0.0	0.0	0.01	576.02
245.0	0.00	0.0	-0.0	-0.0	0.00	576.00
246.0	0.00	0.0	-0.0	-0.0	0.00	576.00
247.0	0.00	0.0	-0.0	-0.0	0.00	576.00
248.0	0.00	0.0	-0.0	-0.0	0.00	576.00
249.0	0.00	0.0	-0.0	-0.0	0.00	576.00
250.0	0.00	0.0	-0.0	-0.0	0.00	576.00
251.0	0.00	0.0	-0.0	-0.0	0.00	576.00
252.0	0.00	0.0	-0.0	-0.0	0.00	576.00
253.0	0.00	0.0	-0.0	-0.0	0.00	576.00
254.0	0.00	0.0	-0.0	-0.0	0.00	576.00
255.0	0.00	0.0	-0.0	-0.0	0.00	576.00
256.0	0.00	0.0	-0.0	-0.0	0.00	576.00
257.0	0.00	0.0	-0.0	-0.0	0.00	576.00
258.0	0.00	0.0	-0.0	-0.0	0.00	576.00
259.0	0.00	0.0	-0.0	-0.0	0.00	576.00
260.0	0.00	0.0	-0.0	-0.0	0.00	576.00
261.0	0.00	0.0	-0.0	-0.0	0.00	576.00
262.0	0.00	0.0	-0.0	-0.0	0.00	576.00
263.0	0.00	0.0	-0.0	-0.0	0.00	576.00
264.0	0.00	0.0	-0.0	-0.0	0.00	576.00
265.0	0.00	0.0	-0.0	-0.0	0.00	576.00
266.0	0.00	0.0	-0.0	-0.0	0.00	576.00
267.0	0.00	0.0	-0.0	-0.0	0.00	576.00
268.0	0.00	0.0	-0.0	-0.0	0.00	576.00
269.0	0.00	0.0	-0.0	-0.0	0.00	576.00
270.0	0.00	0.0	-0.0	-0.0	0.00	576.00
271.0	0.00	0.0	-0.0	-0.0	0.00	576.00
272.0	0.00	0.0	-0.0	-0.0	0.00	576.00
273.0	0.00	0.0	-0.0	-0.0	0.00	576.00
274.0	0.00	0.0	-0.0	-0.0	0.00	576.00

nd File: j:\DATA\0312269\BASIN4 .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	-0.0	-0.0	0.00	576.00
276.0	0.00	0.0	-0.0	-0.0	0.00	576.00
277.0	0.00	0.0	-0.0	-0.0	0.00	576.00
278.0	0.00	0.0	-0.0	-0.0	0.00	576.00
279.0	0.00	0.0	-0.0	-0.0	0.00	576.00
280.0	0.00	0.0	-0.0	-0.0	0.00	576.00
281.0	0.00	0.0	-0.0	-0.0	0.00	576.00
282.0	0.00	0.0	-0.0	-0.0	0.00	576.00
283.0	0.00	0.0	-0.0	-0.0	0.00	576.00
284.0	0.00	0.0	-0.0	-0.0	0.00	576.00
285.0	0.00	0.0	-0.0	-0.0	0.00	576.00
286.0	0.00	0.0	-0.0	-0.0	0.00	576.00
287.0	0.00	0.0	-0.0	-0.0	0.00	576.00
288.0	0.00	0.0	-0.0	-0.0	0.00	576.00
289.0	0.00	0.0	-0.0	-0.0	0.00	576.00
290.0	0.00	0.0	-0.0	-0.0	0.00	576.00
291.0	0.00	0.0	-0.0	-0.0	0.00	576.00
292.0	0.00	0.0	-0.0	-0.0	0.00	576.00
293.0	0.00	0.0	-0.0	-0.0	0.00	576.00
294.0	0.00	0.0	-0.0	-0.0	0.00	576.00
295.0	0.00	0.0	-0.0	-0.0	0.00	576.00
296.0	0.00	0.0	-0.0	-0.0	0.00	576.00
297.0	0.00	0.0	-0.0	-0.0	0.00	576.00
298.0	0.00	0.0	-0.0	-0.0	0.00	576.00
299.0	0.00	0.0	-0.0	-0.0	0.00	576.00
300.0	0.00	0.0	-0.0	-0.0	0.00	576.00
301.0	0.00	0.0	-0.0	-0.0	0.00	576.00
302.0	0.00	0.0	-0.0	-0.0	0.00	576.00
303.0	0.00	0.0	-0.0	-0.0	0.00	576.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4 .PND
Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN4100.HYD

Starting Pond W.S. Elevation = 576.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 87.59 cfs
Peak Outflow = 61.50 cfs
Peak Elevation = 583.01 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 78,512 cu-ft

Total Storage in Pond = 78,512 cu-ft

Outlet Structure File: BASIN4BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4
BLOCKED LOW FLOW

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
-----	-----	-----
582.50	0.0	3
582.70	11.4	3
582.90	32.3	3
583.10	59.3	3
583.30	91.3	3
583.50	131.6	4
583.70	155.7	4
583.90	176.6	4
584.00	186.1	4

Outlet Structure File: BASIN4BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4
BLOCKED LOW FLOW

Outlet Structure File: j:\DATA\0312269\BASIN4BL.STR
Planimeter Input File: j:\DATA\0312269\BASIN4 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN4BL.PND

Min. Elev.(ft) = 582.5 Max. Elev.(ft) = 584 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	3		-> 3
ORIFICE	4		-> 4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN4BL.PND

Outlet Structure File: BASIN4BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4
BLOCKED LOW FLOW

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	582.5
E2 elev. (ft)?	583.5
Weir coefficient?	3.3
Weir elev. (ft)?	582.5
Length (ft)?	38.66
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN4BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #4
BLOCKED LOW FLOW

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	583.5
E2 elev.(ft)?	584.001
Orifice coeff.?	.6
Invert elev.(ft)?	582.5
Datum elev.(ft) ?	583
Orifice area (sq ft)?	38.66

```
*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #4 *
* BLOCKED LOW FLOW *
*
*
*
*****
```

Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4BL.PND

----INITIAL CONDITIONS----
 Elevation = 582.50 ft
 Outflow = 0.00 cfs
 Storage = 70,021 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
582.50	0.0	70,021	2334.0	2334.0
582.70	11.4	73,353	2445.1	2456.5
582.90	32.3	76,688	2556.3	2588.6
583.10	59.3	80,025	2667.5	2726.8
583.30	91.3	83,365	2778.8	2870.1
583.50	131.6	86,708	2890.3	3021.9
583.70	155.7	90,053	3001.8	3157.5
583.90	176.6	93,400	3113.3	3289.9
584.00	186.1	95,075	3169.2	3355.3

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	2334.0	2334.0	0.00	582.50
1.0	3.39	3.4	2336.8	2337.4	0.32	582.51
2.0	10.18	13.6	2347.3	2350.3	1.52	582.53
3.0	13.57	23.8	2364.2	2371.1	3.45	582.56
4.0	16.97	30.5	2383.4	2394.7	5.65	582.60
5.0	20.36	37.3	2404.6	2420.7	8.07	582.64
6.0	27.14	47.5	2430.1	2452.1	10.99	582.69
7.0	30.54	57.7	2455.1	2487.8	16.35	582.75
8.0	33.93	64.5	2476.8	2519.6	21.38	582.80
9.0	33.93	67.9	2494.0	2544.7	25.35	582.83
10.0	33.93	67.9	2505.7	2561.8	28.07	582.86
11.0	33.93	67.9	2513.7	2573.5	29.92	582.88
12.0	33.93	67.9	2519.2	2581.6	31.19	582.89
13.0	33.93	67.9	2522.9	2587.0	32.06	582.90
14.0	33.93	67.9	2525.3	2590.8	32.73	582.90
15.0	33.93	67.9	2526.8	2593.2	33.20	582.91
16.0	33.93	67.9	2527.7	2594.6	33.49	582.91
17.0	33.93	67.9	2528.2	2595.5	33.66	582.91
18.0	33.93	67.9	2528.5	2596.1	33.76	582.91
19.0	33.93	67.9	2528.7	2596.4	33.83	582.91
20.0	33.93	67.9	2528.9	2596.6	33.87	582.91
21.0	30.54	64.5	2526.9	2593.3	33.23	582.91
22.0	27.14	57.7	2521.2	2584.6	31.66	582.89
23.0	20.36	47.5	2510.4	2568.7	29.16	582.87
24.0	16.97	37.3	2496.1	2547.7	25.84	582.84
25.0	13.57	30.5	2481.6	2526.6	22.49	582.81
26.0	10.18	23.8	2467.1	2505.4	19.13	582.77
27.0	3.39	13.6	2450.2	2480.7	15.23	582.74
28.0	0.00	3.4	2431.3	2453.6	11.13	582.70
29.0	0.00	0.0	2413.2	2431.3	9.06	582.66
30.0	0.00	0.0	2398.5	2413.2	7.37	582.63
31.0	0.00	0.0	2386.5	2398.5	6.00	582.61
32.0	0.00	0.0	2376.7	2386.5	4.88	582.59
33.0	0.00	0.0	2368.8	2376.7	3.97	582.57
34.0	0.00	0.0	2362.3	2368.8	3.23	582.56
35.0	0.00	0.0	2357.0	2362.3	2.63	582.55
36.0	0.00	0.0	2352.7	2357.0	2.14	582.54
37.0	0.00	0.0	2349.3	2352.7	1.74	582.53
38.0	0.00	0.0	2346.4	2349.3	1.42	582.52
39.0	0.00	0.0	2344.1	2346.4	1.15	582.52
40.0	0.00	0.0	2342.2	2344.1	0.94	582.52
41.0	0.00	0.0	2340.7	2342.2	0.76	582.51
42.0	0.00	0.0	2339.5	2340.7	0.62	582.51
43.0	0.00	0.0	2338.4	2339.5	0.51	582.51
44.0	0.00	0.0	2337.6	2338.4	0.41	582.51

and File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	2336.9	2337.6	0.34	582.51
46.0	0.00	0.0	2336.4	2336.9	0.27	582.50
47.0	0.00	0.0	2336.0	2336.4	0.22	582.50
48.0	0.00	0.0	2335.6	2336.0	0.18	582.50
49.0	0.00	0.0	2335.3	2335.6	0.15	582.50
50.0	0.00	0.0	2335.1	2335.3	0.12	582.50
51.0	0.00	0.0	2334.9	2335.1	0.10	582.50
52.0	0.00	0.0	2334.7	2334.9	0.08	582.50
53.0	0.00	0.0	2334.6	2334.7	0.06	582.50
54.0	0.00	0.0	2334.5	2334.6	0.05	582.50
55.0	0.00	0.0	2334.4	2334.5	0.04	582.50
56.0	0.00	0.0	2334.3	2334.4	0.03	582.50
57.0	0.00	0.0	2334.3	2334.3	0.03	582.50
58.0	0.00	0.0	2334.2	2334.3	0.02	582.50
59.0	0.00	0.0	2334.2	2334.2	0.02	582.50
60.0	0.00	0.0	2334.1	2334.2	0.02	582.50
61.0	0.00	0.0	2334.1	2334.1	0.01	582.50
62.0	0.00	0.0	2334.1	2334.1	0.01	582.50
63.0	0.00	0.0	2334.1	2334.1	0.01	582.50
64.0	0.00	0.0	2334.1	2334.1	0.01	582.50
65.0	0.00	0.0	2334.1	2334.1	0.01	582.50
66.0	0.00	0.0	2334.1	2334.1	0.00	582.50
67.0	0.00	0.0	2334.0	2334.1	0.00	582.50
68.0	0.00	0.0	2334.0	2334.0	0.00	582.50
69.0	0.00	0.0	2334.0	2334.0	0.00	582.50
70.0	0.00	0.0	2334.0	2334.0	0.00	582.50
71.0	0.00	0.0	2334.0	2334.0	0.00	582.50
72.0	0.00	0.0	2334.0	2334.0	0.00	582.50
73.0	0.00	0.0	2334.0	2334.0	0.00	582.50
74.0	0.00	0.0	2334.0	2334.0	0.00	582.50
75.0	0.00	0.0	2334.0	2334.0	0.00	582.50
76.0	0.00	0.0	2334.0	2334.0	0.00	582.50
77.0	0.00	0.0	2334.0	2334.0	0.00	582.50
78.0	0.00	0.0	2334.0	2334.0	0.00	582.50
79.0	0.00	0.0	2334.0	2334.0	0.00	582.50
80.0	0.00	0.0	2334.0	2334.0	0.00	582.50
81.0	0.00	0.0	2334.0	2334.0	0.00	582.50
82.0	0.00	0.0	2334.0	2334.0	0.00	582.50
83.0	0.00	0.0	2334.0	2334.0	0.00	582.50
84.0	0.00	0.0	2334.0	2334.0	0.00	582.50
85.0	0.00	0.0	2334.0	2334.0	0.00	582.50
86.0	0.00	0.0	2334.0	2334.0	0.00	582.50
87.0	0.00	0.0	2334.0	2334.0	0.00	582.50
88.0	0.00	0.0	2334.0	2334.0	0.00	582.50
89.0	0.00	0.0	2334.0	2334.0	0.00	582.50
90.0	0.00	0.0	2334.0	2334.0	0.00	582.50

and File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	2334.0	2334.0	0.00	582.50
92.0	0.00	0.0	2334.0	2334.0	0.00	582.50
93.0	0.00	0.0	2334.0	2334.0	0.00	582.50
94.0	0.00	0.0	2334.0	2334.0	0.00	582.50
95.0	0.00	0.0	2334.0	2334.0	0.00	582.50
96.0	0.00	0.0	2334.0	2334.0	0.00	582.50
97.0	0.00	0.0	2334.0	2334.0	0.00	582.50
98.0	0.00	0.0	2334.0	2334.0	0.00	582.50
99.0	0.00	0.0	2334.0	2334.0	0.00	582.50
100.0	0.00	0.0	2334.0	2334.0	0.00	582.50
101.0	0.00	0.0	2334.0	2334.0	0.00	582.50
102.0	0.00	0.0	2334.0	2334.0	0.00	582.50
103.0	0.00	0.0	2334.0	2334.0	0.00	582.50
104.0	0.00	0.0	2334.0	2334.0	0.00	582.50
105.0	0.00	0.0	2334.0	2334.0	0.00	582.50
106.0	0.00	0.0	2334.0	2334.0	0.00	582.50
107.0	0.00	0.0	2334.0	2334.0	0.00	582.50
108.0	0.00	0.0	2334.0	2334.0	0.00	582.50
109.0	0.00	0.0	2334.0	2334.0	0.00	582.50
110.0	0.00	0.0	2334.0	2334.0	0.00	582.50
111.0	0.00	0.0	2334.0	2334.0	0.00	582.50
112.0	0.00	0.0	2334.0	2334.0	0.00	582.50
113.0	0.00	0.0	2334.0	2334.0	0.00	582.50
114.0	0.00	0.0	2334.0	2334.0	0.00	582.50
115.0	0.00	0.0	2334.0	2334.0	0.00	582.50
116.0	0.00	0.0	2334.0	2334.0	0.00	582.50
117.0	0.00	0.0	2334.0	2334.0	0.00	582.50
118.0	0.00	0.0	2334.0	2334.0	0.00	582.50
119.0	0.00	0.0	2334.0	2334.0	0.00	582.50
120.0	0.00	0.0	2334.0	2334.0	0.00	582.50
121.0	0.00	0.0	2334.0	2334.0	0.00	582.50
122.0	0.00	0.0	2334.0	2334.0	0.00	582.50
123.0	0.00	0.0	2334.0	2334.0	0.00	582.50
124.0	0.00	0.0	2334.0	2334.0	0.00	582.50
125.0	0.00	0.0	2334.0	2334.0	0.00	582.50
126.0	0.00	0.0	2334.0	2334.0	0.00	582.50
127.0	0.00	0.0	2334.0	2334.0	0.00	582.50
128.0	0.00	0.0	2334.0	2334.0	0.00	582.50
129.0	0.00	0.0	2334.0	2334.0	0.00	582.50
130.0	0.00	0.0	2334.0	2334.0	0.00	582.50
131.0	0.00	0.0	2334.0	2334.0	0.00	582.50
132.0	0.00	0.0	2334.0	2334.0	0.00	582.50
133.0	0.00	0.0	2334.0	2334.0	0.00	582.50
134.0	0.00	0.0	2334.0	2334.0	0.00	582.50
135.0	0.00	0.0	2334.0	2334.0	0.00	582.50
136.0	0.00	0.0	2334.0	2334.0	0.00	582.50

id File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	2334.0	2334.0	0.00	582.50
138.0	0.00	0.0	2334.0	2334.0	0.00	582.50
139.0	0.00	0.0	2334.0	2334.0	0.00	582.50
140.0	0.00	0.0	2334.0	2334.0	0.00	582.50
141.0	0.00	0.0	2334.0	2334.0	0.00	582.50
142.0	0.00	0.0	2334.0	2334.0	0.00	582.50
143.0	0.00	0.0	2334.0	2334.0	0.00	582.50
144.0	0.00	0.0	2334.0	2334.0	0.00	582.50
145.0	0.00	0.0	2334.0	2334.0	0.00	582.50
146.0	0.00	0.0	2334.0	2334.0	0.00	582.50
147.0	0.00	0.0	2334.0	2334.0	0.00	582.50
148.0	0.00	0.0	2334.0	2334.0	0.00	582.50
149.0	0.00	0.0	2334.0	2334.0	0.00	582.50
150.0	0.00	0.0	2334.0	2334.0	0.00	582.50
151.0	0.00	0.0	2334.0	2334.0	0.00	582.50
152.0	0.00	0.0	2334.0	2334.0	0.00	582.50
153.0	0.00	0.0	2334.0	2334.0	0.00	582.50
154.0	0.00	0.0	2334.0	2334.0	0.00	582.50
155.0	0.00	0.0	2334.0	2334.0	0.00	582.50
156.0	0.00	0.0	2334.0	2334.0	0.00	582.50
157.0	0.00	0.0	2334.0	2334.0	0.00	582.50
158.0	0.00	0.0	2334.0	2334.0	0.00	582.50
159.0	0.00	0.0	2334.0	2334.0	0.00	582.50
160.0	0.00	0.0	2334.0	2334.0	0.00	582.50
161.0	0.00	0.0	2334.0	2334.0	0.00	582.50
162.0	0.00	0.0	2334.0	2334.0	0.00	582.50
163.0	0.00	0.0	2334.0	2334.0	0.00	582.50
164.0	0.00	0.0	2334.0	2334.0	0.00	582.50
165.0	0.00	0.0	2334.0	2334.0	0.00	582.50
166.0	0.00	0.0	2334.0	2334.0	0.00	582.50
167.0	0.00	0.0	2334.0	2334.0	0.00	582.50
168.0	0.00	0.0	2334.0	2334.0	0.00	582.50
169.0	0.00	0.0	2334.0	2334.0	0.00	582.50
170.0	0.00	0.0	2334.0	2334.0	0.00	582.50
171.0	0.00	0.0	2334.0	2334.0	0.00	582.50
172.0	0.00	0.0	2334.0	2334.0	0.00	582.50
173.0	0.00	0.0	2334.0	2334.0	0.00	582.50
174.0	0.00	0.0	2334.0	2334.0	0.00	582.50
175.0	0.00	0.0	2334.0	2334.0	0.00	582.50
176.0	0.00	0.0	2334.0	2334.0	0.00	582.50
177.0	0.00	0.0	2334.0	2334.0	0.00	582.50
178.0	0.00	0.0	2334.0	2334.0	0.00	582.50
179.0	0.00	0.0	2334.0	2334.0	0.00	582.50
180.0	0.00	0.0	2334.0	2334.0	0.00	582.50
181.0	0.00	0.0	2334.0	2334.0	0.00	582.50
182.0	0.00	0.0	2334.0	2334.0	0.00	582.50

nd File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	2334.0	2334.0	0.00	582.50
184.0	0.00	0.0	2334.0	2334.0	0.00	582.50
185.0	0.00	0.0	2334.0	2334.0	0.00	582.50
186.0	0.00	0.0	2334.0	2334.0	0.00	582.50
187.0	0.00	0.0	2334.0	2334.0	0.00	582.50
188.0	0.00	0.0	2334.0	2334.0	0.00	582.50
189.0	0.00	0.0	2334.0	2334.0	0.00	582.50
190.0	0.00	0.0	2334.0	2334.0	0.00	582.50
191.0	0.00	0.0	2334.0	2334.0	0.00	582.50
192.0	0.00	0.0	2334.0	2334.0	0.00	582.50
193.0	0.00	0.0	2334.0	2334.0	0.00	582.50
194.0	0.00	0.0	2334.0	2334.0	0.00	582.50
195.0	0.00	0.0	2334.0	2334.0	0.00	582.50
196.0	0.00	0.0	2334.0	2334.0	0.00	582.50
197.0	0.00	0.0	2334.0	2334.0	0.00	582.50
198.0	0.00	0.0	2334.0	2334.0	0.00	582.50
199.0	0.00	0.0	2334.0	2334.0	0.00	582.50
200.0	0.00	0.0	2334.0	2334.0	0.00	582.50
201.0	0.00	0.0	2334.0	2334.0	0.00	582.50
202.0	0.00	0.0	2334.0	2334.0	0.00	582.50
203.0	0.00	0.0	2334.0	2334.0	0.00	582.50
204.0	0.00	0.0	2334.0	2334.0	0.00	582.50
205.0	0.00	0.0	2334.0	2334.0	0.00	582.50
206.0	0.00	0.0	2334.0	2334.0	0.00	582.50
207.0	0.00	0.0	2334.0	2334.0	0.00	582.50
208.0	0.00	0.0	2334.0	2334.0	0.00	582.50
209.0	0.00	0.0	2334.0	2334.0	0.00	582.50
210.0	0.00	0.0	2334.0	2334.0	0.00	582.50
211.0	0.00	0.0	2334.0	2334.0	0.00	582.50
212.0	0.00	0.0	2334.0	2334.0	0.00	582.50
213.0	0.00	0.0	2334.0	2334.0	0.00	582.50
214.0	0.00	0.0	2334.0	2334.0	0.00	582.50
215.0	0.00	0.0	2334.0	2334.0	0.00	582.50
216.0	0.00	0.0	2334.0	2334.0	0.00	582.50
217.0	0.00	0.0	2334.0	2334.0	0.00	582.50
218.0	0.00	0.0	2334.0	2334.0	0.00	582.50
219.0	0.00	0.0	2334.0	2334.0	0.00	582.50
220.0	0.00	0.0	2334.0	2334.0	0.00	582.50
221.0	0.00	0.0	2334.0	2334.0	0.00	582.50
222.0	0.00	0.0	2334.0	2334.0	0.00	582.50
223.0	0.00	0.0	2334.0	2334.0	0.00	582.50
224.0	0.00	0.0	2334.0	2334.0	0.00	582.50
225.0	0.00	0.0	2334.0	2334.0	0.00	582.50
226.0	0.00	0.0	2334.0	2334.0	0.00	582.50
227.0	0.00	0.0	2334.0	2334.0	0.00	582.50
228.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 flow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	2334.0	2334.0	0.00	582.50
230.0	0.00	0.0	2334.0	2334.0	0.00	582.50
231.0	0.00	0.0	2334.0	2334.0	0.00	582.50
232.0	0.00	0.0	2334.0	2334.0	0.00	582.50
233.0	0.00	0.0	2334.0	2334.0	0.00	582.50
234.0	0.00	0.0	2334.0	2334.0	0.00	582.50
235.0	0.00	0.0	2334.0	2334.0	0.00	582.50
236.0	0.00	0.0	2334.0	2334.0	0.00	582.50
237.0	0.00	0.0	2334.0	2334.0	0.00	582.50
238.0	0.00	0.0	2334.0	2334.0	0.00	582.50
239.0	0.00	0.0	2334.0	2334.0	0.00	582.50
240.0	0.00	0.0	2334.0	2334.0	0.00	582.50
241.0	0.00	0.0	2334.0	2334.0	0.00	582.50
242.0	0.00	0.0	2334.0	2334.0	0.00	582.50
243.0	0.00	0.0	2334.0	2334.0	0.00	582.50
244.0	0.00	0.0	2334.0	2334.0	0.00	582.50
245.0	0.00	0.0	2334.0	2334.0	0.00	582.50
246.0	0.00	0.0	2334.0	2334.0	0.00	582.50
247.0	0.00	0.0	2334.0	2334.0	0.00	582.50
248.0	0.00	0.0	2334.0	2334.0	0.00	582.50
249.0	0.00	0.0	2334.0	2334.0	0.00	582.50
250.0	0.00	0.0	2334.0	2334.0	0.00	582.50
251.0	0.00	0.0	2334.0	2334.0	0.00	582.50
252.0	0.00	0.0	2334.0	2334.0	0.00	582.50
253.0	0.00	0.0	2334.0	2334.0	0.00	582.50
254.0	0.00	0.0	2334.0	2334.0	0.00	582.50
255.0	0.00	0.0	2334.0	2334.0	0.00	582.50
256.0	0.00	0.0	2334.0	2334.0	0.00	582.50
257.0	0.00	0.0	2334.0	2334.0	0.00	582.50
258.0	0.00	0.0	2334.0	2334.0	0.00	582.50
259.0	0.00	0.0	2334.0	2334.0	0.00	582.50
260.0	0.00	0.0	2334.0	2334.0	0.00	582.50
261.0	0.00	0.0	2334.0	2334.0	0.00	582.50
262.0	0.00	0.0	2334.0	2334.0	0.00	582.50
263.0	0.00	0.0	2334.0	2334.0	0.00	582.50
264.0	0.00	0.0	2334.0	2334.0	0.00	582.50
265.0	0.00	0.0	2334.0	2334.0	0.00	582.50
266.0	0.00	0.0	2334.0	2334.0	0.00	582.50
267.0	0.00	0.0	2334.0	2334.0	0.00	582.50
268.0	0.00	0.0	2334.0	2334.0	0.00	582.50
269.0	0.00	0.0	2334.0	2334.0	0.00	582.50
270.0	0.00	0.0	2334.0	2334.0	0.00	582.50
271.0	0.00	0.0	2334.0	2334.0	0.00	582.50
272.0	0.00	0.0	2334.0	2334.0	0.00	582.50
273.0	0.00	0.0	2334.0	2334.0	0.00	582.50
274.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 .flow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA402BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	2334.0	2334.0	0.00	582.50
276.0	0.00	0.0	2334.0	2334.0	0.00	582.50
277.0	0.00	0.0	2334.0	2334.0	0.00	582.50
278.0	0.00	0.0	2334.0	2334.0	0.00	582.50
279.0	0.00	0.0	2334.0	2334.0	0.00	582.50
280.0	0.00	0.0	2334.0	2334.0	0.00	582.50
281.0	0.00	0.0	2334.0	2334.0	0.00	582.50
282.0	0.00	0.0	2334.0	2334.0	0.00	582.50
283.0	0.00	0.0	2334.0	2334.0	0.00	582.50
284.0	0.00	0.0	2334.0	2334.0	0.00	582.50
285.0	0.00	0.0	2334.0	2334.0	0.00	582.50
286.0	0.00	0.0	2334.0	2334.0	0.00	582.50
287.0	0.00	0.0	2334.0	2334.0	0.00	582.50
288.0	0.00	0.0	2334.0	2334.0	0.00	582.50
289.0	0.00	0.0	2334.0	2334.0	0.00	582.50
290.0	0.00	0.0	2334.0	2334.0	0.00	582.50
291.0	0.00	0.0	2334.0	2334.0	0.00	582.50
292.0	0.00	0.0	2334.0	2334.0	0.00	582.50
293.0	0.00	0.0	2334.0	2334.0	0.00	582.50
294.0	0.00	0.0	2334.0	2334.0	0.00	582.50
295.0	0.00	0.0	2334.0	2334.0	0.00	582.50
296.0	0.00	0.0	2334.0	2334.0	0.00	582.50
297.0	0.00	0.0	2334.0	2334.0	0.00	582.50
298.0	0.00	0.0	2334.0	2334.0	0.00	582.50
299.0	0.00	0.0	2334.0	2334.0	0.00	582.50
300.0	0.00	0.0	2334.0	2334.0	0.00	582.50
301.0	0.00	0.0	2334.0	2334.0	0.00	582.50
302.0	0.00	0.0	2334.0	2334.0	0.00	582.50
303.0	0.00	0.0	2334.0	2334.0	0.00	582.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4BL.PND
Inflow Hydrograph: j:\DATA\0312269\02BASN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA402BL .HYD

Starting Pond W.S. Elevation = 582.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 33.93 cfs
Peak Outflow = 33.87 cfs
Peak Elevation = 582.91 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 70,021 cu-ft
Peak Storage From Storm = 6,862 cu-ft

Total Storage in Pond = 76,882 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   DETENTION BASIN #4          *
*   BLOCKED LOW FLOW            *
*
*
*****
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Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4BL.PND

----INITIAL CONDITIONS----
 Elevation = 582.50 ft
 Outflow = 0.00 cfs
 Storage = 70,021 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
582.50	0.0	70,021	2334.0	2334.0
582.70	11.4	73,353	2445.1	2456.5
582.90	32.3	76,688	2556.3	2588.6
583.10	59.3	80,025	2667.5	2726.8
583.30	91.3	83,365	2778.8	2870.1
583.50	131.6	86,708	2890.3	3021.9
583.70	155.7	90,053	3001.8	3157.5
583.90	176.6	93,400	3113.3	3289.9
584.00	186.1	95,075	3169.2	3355.3

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN4BL.PND
 .flow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	2334.0	2334.0	0.00	582.50
1.0	5.53	5.5	2338.5	2339.5	0.51	582.51
2.0	16.60	22.1	2355.7	2360.6	2.48	582.54
3.0	22.13	38.7	2383.2	2394.4	5.62	582.60
4.0	27.66	49.8	2414.5	2433.0	9.21	582.66
5.0	33.19	60.8	2446.6	2475.4	14.39	582.73
6.0	44.26	77.4	2479.9	2524.1	22.09	582.80
7.0	49.79	94.1	2514.0	2573.9	29.98	582.88
8.0	55.32	105.1	2542.6	2619.1	38.26	582.94
9.0	55.32	110.6	2563.3	2653.2	44.92	582.99
10.0	55.32	110.6	2576.0	2674.0	48.99	583.02
11.0	55.32	110.6	2583.7	2686.7	51.46	583.04
12.0	55.32	110.6	2588.4	2694.4	52.97	583.05
13.0	55.32	110.6	2591.3	2699.1	53.89	583.06
14.0	55.32	110.6	2593.1	2701.9	54.45	583.06
15.0	55.32	110.6	2594.1	2703.7	54.79	583.07
16.0	55.32	110.6	2594.8	2704.8	55.00	583.07
17.0	55.32	110.6	2595.2	2705.4	55.12	583.07
18.0	55.32	110.6	2595.4	2705.8	55.20	583.07
19.0	55.32	110.6	2595.5	2706.0	55.25	583.07
20.0	55.32	110.6	2595.6	2706.2	55.28	583.07
21.0	49.79	105.1	2592.3	2700.7	54.21	583.06
22.0	44.26	94.1	2583.6	2686.4	51.40	583.04
23.0	33.19	77.4	2568.1	2661.0	46.45	583.00
24.0	27.66	60.8	2548.6	2629.0	40.19	582.96
25.0	22.13	49.8	2529.9	2598.4	34.21	582.91
26.0	16.60	38.7	2510.4	2568.7	29.15	582.87
27.0	5.53	22.1	2485.6	2532.5	23.43	582.82
28.0	0.00	5.5	2457.4	2491.2	16.89	582.75
29.0	0.00	0.0	2434.3	2457.4	11.54	582.70
30.0	0.00	0.0	2415.6	2434.3	9.34	582.66
31.0	0.00	0.0	2400.4	2415.6	7.60	582.63
32.0	0.00	0.0	2388.1	2400.4	6.18	582.61
33.0	0.00	0.0	2378.0	2388.1	5.03	582.59
34.0	0.00	0.0	2369.8	2378.0	4.10	582.57
35.0	0.00	0.0	2363.2	2369.8	3.33	582.56
36.0	0.00	0.0	2357.7	2363.2	2.71	582.55
37.0	0.00	0.0	2353.3	2357.7	2.21	582.54
38.0	0.00	0.0	2349.7	2353.3	1.80	582.53
39.0	0.00	0.0	2346.8	2349.7	1.46	582.53
40.0	0.00	0.0	2344.4	2346.8	1.19	582.52
41.0	0.00	0.0	2342.5	2344.4	0.97	582.52
42.0	0.00	0.0	2340.9	2342.5	0.79	582.51
43.0	0.00	0.0	2339.6	2340.9	0.64	582.51
44.0	0.00	0.0	2338.6	2339.6	0.52	582.51

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	2337.7	2338.6	0.42	582.51
46.0	0.00	0.0	2337.0	2337.7	0.35	582.51
47.0	0.00	0.0	2336.5	2337.0	0.28	582.50
48.0	0.00	0.0	2336.0	2336.5	0.23	582.50
49.0	0.00	0.0	2335.6	2336.0	0.19	582.50
50.0	0.00	0.0	2335.3	2335.6	0.15	582.50
51.0	0.00	0.0	2335.1	2335.3	0.12	582.50
52.0	0.00	0.0	2334.9	2335.1	0.10	582.50
53.0	0.00	0.0	2334.7	2334.9	0.08	582.50
54.0	0.00	0.0	2334.6	2334.7	0.07	582.50
55.0	0.00	0.0	2334.5	2334.6	0.05	582.50
56.0	0.00	0.0	2334.4	2334.5	0.04	582.50
57.0	0.00	0.0	2334.3	2334.4	0.04	582.50
58.0	0.00	0.0	2334.3	2334.3	0.03	582.50
59.0	0.00	0.0	2334.2	2334.3	0.02	582.50
60.0	0.00	0.0	2334.2	2334.2	0.02	582.50
61.0	0.00	0.0	2334.2	2334.2	0.02	582.50
62.0	0.00	0.0	2334.1	2334.2	0.01	582.50
63.0	0.00	0.0	2334.1	2334.1	0.01	582.50
64.0	0.00	0.0	2334.1	2334.1	0.01	582.50
65.0	0.00	0.0	2334.1	2334.1	0.01	582.50
66.0	0.00	0.0	2334.1	2334.1	0.01	582.50
67.0	0.00	0.0	2334.1	2334.1	0.00	582.50
68.0	0.00	0.0	2334.0	2334.1	0.00	582.50
69.0	0.00	0.0	2334.0	2334.0	0.00	582.50
70.0	0.00	0.0	2334.0	2334.0	0.00	582.50
71.0	0.00	0.0	2334.0	2334.0	0.00	582.50
72.0	0.00	0.0	2334.0	2334.0	0.00	582.50
73.0	0.00	0.0	2334.0	2334.0	0.00	582.50
74.0	0.00	0.0	2334.0	2334.0	0.00	582.50
75.0	0.00	0.0	2334.0	2334.0	0.00	582.50
76.0	0.00	0.0	2334.0	2334.0	0.00	582.50
77.0	0.00	0.0	2334.0	2334.0	0.00	582.50
78.0	0.00	0.0	2334.0	2334.0	0.00	582.50
79.0	0.00	0.0	2334.0	2334.0	0.00	582.50
80.0	0.00	0.0	2334.0	2334.0	0.00	582.50
81.0	0.00	0.0	2334.0	2334.0	0.00	582.50
82.0	0.00	0.0	2334.0	2334.0	0.00	582.50
83.0	0.00	0.0	2334.0	2334.0	0.00	582.50
84.0	0.00	0.0	2334.0	2334.0	0.00	582.50
85.0	0.00	0.0	2334.0	2334.0	0.00	582.50
86.0	0.00	0.0	2334.0	2334.0	0.00	582.50
87.0	0.00	0.0	2334.0	2334.0	0.00	582.50
88.0	0.00	0.0	2334.0	2334.0	0.00	582.50
89.0	0.00	0.0	2334.0	2334.0	0.00	582.50
90.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	2334.0	2334.0	0.00	582.50
92.0	0.00	0.0	2334.0	2334.0	0.00	582.50
93.0	0.00	0.0	2334.0	2334.0	0.00	582.50
94.0	0.00	0.0	2334.0	2334.0	0.00	582.50
95.0	0.00	0.0	2334.0	2334.0	0.00	582.50
96.0	0.00	0.0	2334.0	2334.0	0.00	582.50
97.0	0.00	0.0	2334.0	2334.0	0.00	582.50
98.0	0.00	0.0	2334.0	2334.0	0.00	582.50
99.0	0.00	0.0	2334.0	2334.0	0.00	582.50
100.0	0.00	0.0	2334.0	2334.0	0.00	582.50
101.0	0.00	0.0	2334.0	2334.0	0.00	582.50
102.0	0.00	0.0	2334.0	2334.0	0.00	582.50
103.0	0.00	0.0	2334.0	2334.0	0.00	582.50
104.0	0.00	0.0	2334.0	2334.0	0.00	582.50
105.0	0.00	0.0	2334.0	2334.0	0.00	582.50
106.0	0.00	0.0	2334.0	2334.0	0.00	582.50
107.0	0.00	0.0	2334.0	2334.0	0.00	582.50
108.0	0.00	0.0	2334.0	2334.0	0.00	582.50
109.0	0.00	0.0	2334.0	2334.0	0.00	582.50
110.0	0.00	0.0	2334.0	2334.0	0.00	582.50
111.0	0.00	0.0	2334.0	2334.0	0.00	582.50
112.0	0.00	0.0	2334.0	2334.0	0.00	582.50
113.0	0.00	0.0	2334.0	2334.0	0.00	582.50
114.0	0.00	0.0	2334.0	2334.0	0.00	582.50
115.0	0.00	0.0	2334.0	2334.0	0.00	582.50
116.0	0.00	0.0	2334.0	2334.0	0.00	582.50
117.0	0.00	0.0	2334.0	2334.0	0.00	582.50
118.0	0.00	0.0	2334.0	2334.0	0.00	582.50
119.0	0.00	0.0	2334.0	2334.0	0.00	582.50
120.0	0.00	0.0	2334.0	2334.0	0.00	582.50
121.0	0.00	0.0	2334.0	2334.0	0.00	582.50
122.0	0.00	0.0	2334.0	2334.0	0.00	582.50
123.0	0.00	0.0	2334.0	2334.0	0.00	582.50
124.0	0.00	0.0	2334.0	2334.0	0.00	582.50
125.0	0.00	0.0	2334.0	2334.0	0.00	582.50
126.0	0.00	0.0	2334.0	2334.0	0.00	582.50
127.0	0.00	0.0	2334.0	2334.0	0.00	582.50
128.0	0.00	0.0	2334.0	2334.0	0.00	582.50
129.0	0.00	0.0	2334.0	2334.0	0.00	582.50
130.0	0.00	0.0	2334.0	2334.0	0.00	582.50
131.0	0.00	0.0	2334.0	2334.0	0.00	582.50
132.0	0.00	0.0	2334.0	2334.0	0.00	582.50
133.0	0.00	0.0	2334.0	2334.0	0.00	582.50
134.0	0.00	0.0	2334.0	2334.0	0.00	582.50
135.0	0.00	0.0	2334.0	2334.0	0.00	582.50
136.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 .flow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	2334.0	2334.0	0.00	582.50
138.0	0.00	0.0	2334.0	2334.0	0.00	582.50
139.0	0.00	0.0	2334.0	2334.0	0.00	582.50
140.0	0.00	0.0	2334.0	2334.0	0.00	582.50
141.0	0.00	0.0	2334.0	2334.0	0.00	582.50
142.0	0.00	0.0	2334.0	2334.0	0.00	582.50
143.0	0.00	0.0	2334.0	2334.0	0.00	582.50
144.0	0.00	0.0	2334.0	2334.0	0.00	582.50
145.0	0.00	0.0	2334.0	2334.0	0.00	582.50
146.0	0.00	0.0	2334.0	2334.0	0.00	582.50
147.0	0.00	0.0	2334.0	2334.0	0.00	582.50
148.0	0.00	0.0	2334.0	2334.0	0.00	582.50
149.0	0.00	0.0	2334.0	2334.0	0.00	582.50
150.0	0.00	0.0	2334.0	2334.0	0.00	582.50
151.0	0.00	0.0	2334.0	2334.0	0.00	582.50
152.0	0.00	0.0	2334.0	2334.0	0.00	582.50
153.0	0.00	0.0	2334.0	2334.0	0.00	582.50
154.0	0.00	0.0	2334.0	2334.0	0.00	582.50
155.0	0.00	0.0	2334.0	2334.0	0.00	582.50
156.0	0.00	0.0	2334.0	2334.0	0.00	582.50
157.0	0.00	0.0	2334.0	2334.0	0.00	582.50
158.0	0.00	0.0	2334.0	2334.0	0.00	582.50
159.0	0.00	0.0	2334.0	2334.0	0.00	582.50
160.0	0.00	0.0	2334.0	2334.0	0.00	582.50
161.0	0.00	0.0	2334.0	2334.0	0.00	582.50
162.0	0.00	0.0	2334.0	2334.0	0.00	582.50
163.0	0.00	0.0	2334.0	2334.0	0.00	582.50
164.0	0.00	0.0	2334.0	2334.0	0.00	582.50
165.0	0.00	0.0	2334.0	2334.0	0.00	582.50
166.0	0.00	0.0	2334.0	2334.0	0.00	582.50
167.0	0.00	0.0	2334.0	2334.0	0.00	582.50
168.0	0.00	0.0	2334.0	2334.0	0.00	582.50
169.0	0.00	0.0	2334.0	2334.0	0.00	582.50
170.0	0.00	0.0	2334.0	2334.0	0.00	582.50
171.0	0.00	0.0	2334.0	2334.0	0.00	582.50
172.0	0.00	0.0	2334.0	2334.0	0.00	582.50
173.0	0.00	0.0	2334.0	2334.0	0.00	582.50
174.0	0.00	0.0	2334.0	2334.0	0.00	582.50
175.0	0.00	0.0	2334.0	2334.0	0.00	582.50
176.0	0.00	0.0	2334.0	2334.0	0.00	582.50
177.0	0.00	0.0	2334.0	2334.0	0.00	582.50
178.0	0.00	0.0	2334.0	2334.0	0.00	582.50
179.0	0.00	0.0	2334.0	2334.0	0.00	582.50
180.0	0.00	0.0	2334.0	2334.0	0.00	582.50
181.0	0.00	0.0	2334.0	2334.0	0.00	582.50
182.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	2334.0	2334.0	0.00	582.50
184.0	0.00	0.0	2334.0	2334.0	0.00	582.50
185.0	0.00	0.0	2334.0	2334.0	0.00	582.50
186.0	0.00	0.0	2334.0	2334.0	0.00	582.50
187.0	0.00	0.0	2334.0	2334.0	0.00	582.50
188.0	0.00	0.0	2334.0	2334.0	0.00	582.50
189.0	0.00	0.0	2334.0	2334.0	0.00	582.50
190.0	0.00	0.0	2334.0	2334.0	0.00	582.50
191.0	0.00	0.0	2334.0	2334.0	0.00	582.50
192.0	0.00	0.0	2334.0	2334.0	0.00	582.50
193.0	0.00	0.0	2334.0	2334.0	0.00	582.50
194.0	0.00	0.0	2334.0	2334.0	0.00	582.50
195.0	0.00	0.0	2334.0	2334.0	0.00	582.50
196.0	0.00	0.0	2334.0	2334.0	0.00	582.50
197.0	0.00	0.0	2334.0	2334.0	0.00	582.50
198.0	0.00	0.0	2334.0	2334.0	0.00	582.50
199.0	0.00	0.0	2334.0	2334.0	0.00	582.50
200.0	0.00	0.0	2334.0	2334.0	0.00	582.50
201.0	0.00	0.0	2334.0	2334.0	0.00	582.50
202.0	0.00	0.0	2334.0	2334.0	0.00	582.50
203.0	0.00	0.0	2334.0	2334.0	0.00	582.50
204.0	0.00	0.0	2334.0	2334.0	0.00	582.50
205.0	0.00	0.0	2334.0	2334.0	0.00	582.50
206.0	0.00	0.0	2334.0	2334.0	0.00	582.50
207.0	0.00	0.0	2334.0	2334.0	0.00	582.50
208.0	0.00	0.0	2334.0	2334.0	0.00	582.50
209.0	0.00	0.0	2334.0	2334.0	0.00	582.50
210.0	0.00	0.0	2334.0	2334.0	0.00	582.50
211.0	0.00	0.0	2334.0	2334.0	0.00	582.50
212.0	0.00	0.0	2334.0	2334.0	0.00	582.50
213.0	0.00	0.0	2334.0	2334.0	0.00	582.50
214.0	0.00	0.0	2334.0	2334.0	0.00	582.50
215.0	0.00	0.0	2334.0	2334.0	0.00	582.50
216.0	0.00	0.0	2334.0	2334.0	0.00	582.50
217.0	0.00	0.0	2334.0	2334.0	0.00	582.50
218.0	0.00	0.0	2334.0	2334.0	0.00	582.50
219.0	0.00	0.0	2334.0	2334.0	0.00	582.50
220.0	0.00	0.0	2334.0	2334.0	0.00	582.50
221.0	0.00	0.0	2334.0	2334.0	0.00	582.50
222.0	0.00	0.0	2334.0	2334.0	0.00	582.50
223.0	0.00	0.0	2334.0	2334.0	0.00	582.50
224.0	0.00	0.0	2334.0	2334.0	0.00	582.50
225.0	0.00	0.0	2334.0	2334.0	0.00	582.50
226.0	0.00	0.0	2334.0	2334.0	0.00	582.50
227.0	0.00	0.0	2334.0	2334.0	0.00	582.50
228.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	2334.0	2334.0	0.00	582.50
230.0	0.00	0.0	2334.0	2334.0	0.00	582.50
231.0	0.00	0.0	2334.0	2334.0	0.00	582.50
232.0	0.00	0.0	2334.0	2334.0	0.00	582.50
233.0	0.00	0.0	2334.0	2334.0	0.00	582.50
234.0	0.00	0.0	2334.0	2334.0	0.00	582.50
235.0	0.00	0.0	2334.0	2334.0	0.00	582.50
236.0	0.00	0.0	2334.0	2334.0	0.00	582.50
237.0	0.00	0.0	2334.0	2334.0	0.00	582.50
238.0	0.00	0.0	2334.0	2334.0	0.00	582.50
239.0	0.00	0.0	2334.0	2334.0	0.00	582.50
240.0	0.00	0.0	2334.0	2334.0	0.00	582.50
241.0	0.00	0.0	2334.0	2334.0	0.00	582.50
242.0	0.00	0.0	2334.0	2334.0	0.00	582.50
243.0	0.00	0.0	2334.0	2334.0	0.00	582.50
244.0	0.00	0.0	2334.0	2334.0	0.00	582.50
245.0	0.00	0.0	2334.0	2334.0	0.00	582.50
246.0	0.00	0.0	2334.0	2334.0	0.00	582.50
247.0	0.00	0.0	2334.0	2334.0	0.00	582.50
248.0	0.00	0.0	2334.0	2334.0	0.00	582.50
249.0	0.00	0.0	2334.0	2334.0	0.00	582.50
250.0	0.00	0.0	2334.0	2334.0	0.00	582.50
251.0	0.00	0.0	2334.0	2334.0	0.00	582.50
252.0	0.00	0.0	2334.0	2334.0	0.00	582.50
253.0	0.00	0.0	2334.0	2334.0	0.00	582.50
254.0	0.00	0.0	2334.0	2334.0	0.00	582.50
255.0	0.00	0.0	2334.0	2334.0	0.00	582.50
256.0	0.00	0.0	2334.0	2334.0	0.00	582.50
257.0	0.00	0.0	2334.0	2334.0	0.00	582.50
258.0	0.00	0.0	2334.0	2334.0	0.00	582.50
259.0	0.00	0.0	2334.0	2334.0	0.00	582.50
260.0	0.00	0.0	2334.0	2334.0	0.00	582.50
261.0	0.00	0.0	2334.0	2334.0	0.00	582.50
262.0	0.00	0.0	2334.0	2334.0	0.00	582.50
263.0	0.00	0.0	2334.0	2334.0	0.00	582.50
264.0	0.00	0.0	2334.0	2334.0	0.00	582.50
265.0	0.00	0.0	2334.0	2334.0	0.00	582.50
266.0	0.00	0.0	2334.0	2334.0	0.00	582.50
267.0	0.00	0.0	2334.0	2334.0	0.00	582.50
268.0	0.00	0.0	2334.0	2334.0	0.00	582.50
269.0	0.00	0.0	2334.0	2334.0	0.00	582.50
270.0	0.00	0.0	2334.0	2334.0	0.00	582.50
271.0	0.00	0.0	2334.0	2334.0	0.00	582.50
272.0	0.00	0.0	2334.0	2334.0	0.00	582.50
273.0	0.00	0.0	2334.0	2334.0	0.00	582.50
274.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA415BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	2334.0	2334.0	0.00	582.50
276.0	0.00	0.0	2334.0	2334.0	0.00	582.50
277.0	0.00	0.0	2334.0	2334.0	0.00	582.50
278.0	0.00	0.0	2334.0	2334.0	0.00	582.50
279.0	0.00	0.0	2334.0	2334.0	0.00	582.50
280.0	0.00	0.0	2334.0	2334.0	0.00	582.50
281.0	0.00	0.0	2334.0	2334.0	0.00	582.50
282.0	0.00	0.0	2334.0	2334.0	0.00	582.50
283.0	0.00	0.0	2334.0	2334.0	0.00	582.50
284.0	0.00	0.0	2334.0	2334.0	0.00	582.50
285.0	0.00	0.0	2334.0	2334.0	0.00	582.50
286.0	0.00	0.0	2334.0	2334.0	0.00	582.50
287.0	0.00	0.0	2334.0	2334.0	0.00	582.50
288.0	0.00	0.0	2334.0	2334.0	0.00	582.50
289.0	0.00	0.0	2334.0	2334.0	0.00	582.50
290.0	0.00	0.0	2334.0	2334.0	0.00	582.50
291.0	0.00	0.0	2334.0	2334.0	0.00	582.50
292.0	0.00	0.0	2334.0	2334.0	0.00	582.50
293.0	0.00	0.0	2334.0	2334.0	0.00	582.50
294.0	0.00	0.0	2334.0	2334.0	0.00	582.50
295.0	0.00	0.0	2334.0	2334.0	0.00	582.50
296.0	0.00	0.0	2334.0	2334.0	0.00	582.50
297.0	0.00	0.0	2334.0	2334.0	0.00	582.50
298.0	0.00	0.0	2334.0	2334.0	0.00	582.50
299.0	0.00	0.0	2334.0	2334.0	0.00	582.50
300.0	0.00	0.0	2334.0	2334.0	0.00	582.50
301.0	0.00	0.0	2334.0	2334.0	0.00	582.50
302.0	0.00	0.0	2334.0	2334.0	0.00	582.50
303.0	0.00	0.0	2334.0	2334.0	0.00	582.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4BL.PND
Inflow Hydrograph: j:\DATA\0312269\15BASN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA415BL .HYD

Starting Pond W.S. Elevation = 582.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow	=	55.32 cfs
Peak Outflow	=	55.28 cfs
Peak Elevation	=	583.07 ft

***** Summary of Approximate Peak Storage *****

Initial Storage	=	70,021 cu-ft
Peak Storage From Storm	=	9,507 cu-ft

Total Storage in Pond	=	79,528 cu-ft

```
*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #4
*   BLOCKED LOW FLOW
*
*
*****
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Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
 Rating Table file: j:\DATA\0312269\BASIN4BL.PND

----INITIAL CONDITIONS----

Elevation = 582.50 ft
 Outflow = 0.00 cfs
 Storage = 70,021 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
582.50	0.0	70,021	2334.0	2334.0
582.70	11.4	73,353	2445.1	2456.5
582.90	32.3	76,688	2556.3	2588.6
583.10	59.3	80,025	2667.5	2726.8
583.30	91.3	83,365	2778.8	2870.1
583.50	131.6	86,708	2890.3	3021.9
583.70	155.7	90,053	3001.8	3157.5
583.90	176.6	93,400	3113.3	3289.9
584.00	186.1	95,075	3169.2	3355.3

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	2334.0	2334.0	0.00	582.50
1.0	6.82	6.8	2339.6	2340.8	0.63	582.51
2.0	20.47	27.3	2360.7	2366.9	3.06	582.55
3.0	27.29	47.8	2394.6	2408.5	6.93	582.62
4.0	34.12	61.4	2433.3	2456.0	11.36	582.70
5.0	40.94	75.1	2469.2	2508.4	19.61	582.78
6.0	54.58	95.5	2507.6	2564.7	28.52	582.86
7.0	61.41	116.0	2545.3	2623.6	39.15	582.95
8.0	68.23	129.6	2576.6	2675.0	49.18	583.03
9.0	68.23	136.5	2599.8	2713.1	56.62	583.08
10.0	68.23	136.5	2613.5	2736.3	61.42	583.11
11.0	68.23	136.5	2621.0	2749.9	64.46	583.13
12.0	68.23	136.5	2625.2	2757.5	66.14	583.14
13.0	68.23	136.5	2627.5	2761.6	67.08	583.15
14.0	68.23	136.5	2628.7	2763.9	67.59	583.15
15.0	68.23	136.5	2629.5	2765.2	67.88	583.15
16.0	68.23	136.5	2629.8	2765.9	68.03	583.15
17.0	68.23	136.5	2630.1	2766.3	68.12	583.16
18.0	68.23	136.5	2630.2	2766.5	68.17	583.16
19.0	68.23	136.5	2630.3	2766.6	68.20	583.16
20.0	68.23	136.5	2630.3	2766.7	68.21	583.16
21.0	61.41	129.6	2626.5	2759.9	66.70	583.15
22.0	54.58	116.0	2616.9	2742.5	62.81	583.12
23.0	40.94	95.5	2599.4	2712.4	56.49	583.08
24.0	34.12	75.1	2576.3	2674.5	49.08	583.02
25.0	27.29	61.4	2553.9	2637.7	41.90	582.97
26.0	20.47	47.8	2532.0	2601.7	34.86	582.92
27.0	6.82	27.3	2503.9	2559.3	27.66	582.86
28.0	0.00	6.8	2470.8	2510.8	19.99	582.78
29.0	0.00	0.0	2443.5	2470.8	13.66	582.72
30.0	0.00	0.0	2423.1	2443.5	10.19	582.68
31.0	0.00	0.0	2406.5	2423.1	8.29	582.65
32.0	0.00	0.0	2393.0	2406.5	6.75	582.62
33.0	0.00	0.0	2382.0	2393.0	5.49	582.60
34.0	0.00	0.0	2373.1	2382.0	4.47	582.58
35.0	0.00	0.0	2365.8	2373.1	3.64	582.56
36.0	0.00	0.0	2359.9	2365.8	2.96	582.55
37.0	0.00	0.0	2355.1	2359.9	2.41	582.54
38.0	0.00	0.0	2351.2	2355.1	1.96	582.53
39.0	0.00	0.0	2348.0	2351.2	1.60	582.53
40.0	0.00	0.0	2345.4	2348.0	1.30	582.52
41.0	0.00	0.0	2343.3	2345.4	1.06	582.52
42.0	0.00	0.0	2341.5	2343.3	0.86	582.52
43.0	0.00	0.0	2340.1	2341.5	0.70	582.51
44.0	0.00	0.0	2339.0	2340.1	0.57	582.51

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	2338.1	2339.0	0.46	582.51
46.0	0.00	0.0	2337.3	2338.1	0.38	582.51
47.0	0.00	0.0	2336.7	2337.3	0.31	582.51
48.0	0.00	0.0	2336.2	2336.7	0.25	582.50
49.0	0.00	0.0	2335.8	2336.2	0.20	582.50
50.0	0.00	0.0	2335.5	2335.8	0.17	582.50
51.0	0.00	0.0	2335.2	2335.5	0.13	582.50
52.0	0.00	0.0	2335.0	2335.2	0.11	582.50
53.0	0.00	0.0	2334.8	2335.0	0.09	582.50
54.0	0.00	0.0	2334.6	2334.8	0.07	582.50
55.0	0.00	0.0	2334.5	2334.6	0.06	582.50
56.0	0.00	0.0	2334.4	2334.5	0.05	582.50
57.0	0.00	0.0	2334.4	2334.4	0.04	582.50
58.0	0.00	0.0	2334.3	2334.4	0.03	582.50
59.0	0.00	0.0	2334.2	2334.3	0.03	582.50
60.0	0.00	0.0	2334.2	2334.2	0.02	582.50
61.0	0.00	0.0	2334.2	2334.2	0.02	582.50
62.0	0.00	0.0	2334.1	2334.2	0.01	582.50
63.0	0.00	0.0	2334.1	2334.1	0.01	582.50
64.0	0.00	0.0	2334.1	2334.1	0.01	582.50
65.0	0.00	0.0	2334.1	2334.1	0.01	582.50
66.0	0.00	0.0	2334.1	2334.1	0.01	582.50
67.0	0.00	0.0	2334.1	2334.1	0.00	582.50
68.0	0.00	0.0	2334.0	2334.1	0.00	582.50
69.0	0.00	0.0	2334.0	2334.0	0.00	582.50
70.0	0.00	0.0	2334.0	2334.0	0.00	582.50
71.0	0.00	0.0	2334.0	2334.0	0.00	582.50
72.0	0.00	0.0	2334.0	2334.0	0.00	582.50
73.0	0.00	0.0	2334.0	2334.0	0.00	582.50
74.0	0.00	0.0	2334.0	2334.0	0.00	582.50
75.0	0.00	0.0	2334.0	2334.0	0.00	582.50
76.0	0.00	0.0	2334.0	2334.0	0.00	582.50
77.0	0.00	0.0	2334.0	2334.0	0.00	582.50
78.0	0.00	0.0	2334.0	2334.0	0.00	582.50
79.0	0.00	0.0	2334.0	2334.0	0.00	582.50
80.0	0.00	0.0	2334.0	2334.0	0.00	582.50
81.0	0.00	0.0	2334.0	2334.0	0.00	582.50
82.0	0.00	0.0	2334.0	2334.0	0.00	582.50
83.0	0.00	0.0	2334.0	2334.0	0.00	582.50
84.0	0.00	0.0	2334.0	2334.0	0.00	582.50
85.0	0.00	0.0	2334.0	2334.0	0.00	582.50
86.0	0.00	0.0	2334.0	2334.0	0.00	582.50
87.0	0.00	0.0	2334.0	2334.0	0.00	582.50
88.0	0.00	0.0	2334.0	2334.0	0.00	582.50
89.0	0.00	0.0	2334.0	2334.0	0.00	582.50
90.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	2334.0	2334.0	0.00	582.50
92.0	0.00	0.0	2334.0	2334.0	0.00	582.50
93.0	0.00	0.0	2334.0	2334.0	0.00	582.50
94.0	0.00	0.0	2334.0	2334.0	0.00	582.50
95.0	0.00	0.0	2334.0	2334.0	0.00	582.50
96.0	0.00	0.0	2334.0	2334.0	0.00	582.50
97.0	0.00	0.0	2334.0	2334.0	0.00	582.50
98.0	0.00	0.0	2334.0	2334.0	0.00	582.50
99.0	0.00	0.0	2334.0	2334.0	0.00	582.50
100.0	0.00	0.0	2334.0	2334.0	0.00	582.50
101.0	0.00	0.0	2334.0	2334.0	0.00	582.50
102.0	0.00	0.0	2334.0	2334.0	0.00	582.50
103.0	0.00	0.0	2334.0	2334.0	0.00	582.50
104.0	0.00	0.0	2334.0	2334.0	0.00	582.50
105.0	0.00	0.0	2334.0	2334.0	0.00	582.50
106.0	0.00	0.0	2334.0	2334.0	0.00	582.50
107.0	0.00	0.0	2334.0	2334.0	0.00	582.50
108.0	0.00	0.0	2334.0	2334.0	0.00	582.50
109.0	0.00	0.0	2334.0	2334.0	0.00	582.50
110.0	0.00	0.0	2334.0	2334.0	0.00	582.50
111.0	0.00	0.0	2334.0	2334.0	0.00	582.50
112.0	0.00	0.0	2334.0	2334.0	0.00	582.50
113.0	0.00	0.0	2334.0	2334.0	0.00	582.50
114.0	0.00	0.0	2334.0	2334.0	0.00	582.50
115.0	0.00	0.0	2334.0	2334.0	0.00	582.50
116.0	0.00	0.0	2334.0	2334.0	0.00	582.50
117.0	0.00	0.0	2334.0	2334.0	0.00	582.50
118.0	0.00	0.0	2334.0	2334.0	0.00	582.50
119.0	0.00	0.0	2334.0	2334.0	0.00	582.50
120.0	0.00	0.0	2334.0	2334.0	0.00	582.50
121.0	0.00	0.0	2334.0	2334.0	0.00	582.50
122.0	0.00	0.0	2334.0	2334.0	0.00	582.50
123.0	0.00	0.0	2334.0	2334.0	0.00	582.50
124.0	0.00	0.0	2334.0	2334.0	0.00	582.50
125.0	0.00	0.0	2334.0	2334.0	0.00	582.50
126.0	0.00	0.0	2334.0	2334.0	0.00	582.50
127.0	0.00	0.0	2334.0	2334.0	0.00	582.50
128.0	0.00	0.0	2334.0	2334.0	0.00	582.50
129.0	0.00	0.0	2334.0	2334.0	0.00	582.50
130.0	0.00	0.0	2334.0	2334.0	0.00	582.50
131.0	0.00	0.0	2334.0	2334.0	0.00	582.50
132.0	0.00	0.0	2334.0	2334.0	0.00	582.50
133.0	0.00	0.0	2334.0	2334.0	0.00	582.50
134.0	0.00	0.0	2334.0	2334.0	0.00	582.50
135.0	0.00	0.0	2334.0	2334.0	0.00	582.50
136.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	2334.0	2334.0	0.00	582.50
138.0	0.00	0.0	2334.0	2334.0	0.00	582.50
139.0	0.00	0.0	2334.0	2334.0	0.00	582.50
140.0	0.00	0.0	2334.0	2334.0	0.00	582.50
141.0	0.00	0.0	2334.0	2334.0	0.00	582.50
142.0	0.00	0.0	2334.0	2334.0	0.00	582.50
143.0	0.00	0.0	2334.0	2334.0	0.00	582.50
144.0	0.00	0.0	2334.0	2334.0	0.00	582.50
145.0	0.00	0.0	2334.0	2334.0	0.00	582.50
146.0	0.00	0.0	2334.0	2334.0	0.00	582.50
147.0	0.00	0.0	2334.0	2334.0	0.00	582.50
148.0	0.00	0.0	2334.0	2334.0	0.00	582.50
149.0	0.00	0.0	2334.0	2334.0	0.00	582.50
150.0	0.00	0.0	2334.0	2334.0	0.00	582.50
151.0	0.00	0.0	2334.0	2334.0	0.00	582.50
152.0	0.00	0.0	2334.0	2334.0	0.00	582.50
153.0	0.00	0.0	2334.0	2334.0	0.00	582.50
154.0	0.00	0.0	2334.0	2334.0	0.00	582.50
155.0	0.00	0.0	2334.0	2334.0	0.00	582.50
156.0	0.00	0.0	2334.0	2334.0	0.00	582.50
157.0	0.00	0.0	2334.0	2334.0	0.00	582.50
158.0	0.00	0.0	2334.0	2334.0	0.00	582.50
159.0	0.00	0.0	2334.0	2334.0	0.00	582.50
160.0	0.00	0.0	2334.0	2334.0	0.00	582.50
161.0	0.00	0.0	2334.0	2334.0	0.00	582.50
162.0	0.00	0.0	2334.0	2334.0	0.00	582.50
163.0	0.00	0.0	2334.0	2334.0	0.00	582.50
164.0	0.00	0.0	2334.0	2334.0	0.00	582.50
165.0	0.00	0.0	2334.0	2334.0	0.00	582.50
166.0	0.00	0.0	2334.0	2334.0	0.00	582.50
167.0	0.00	0.0	2334.0	2334.0	0.00	582.50
168.0	0.00	0.0	2334.0	2334.0	0.00	582.50
169.0	0.00	0.0	2334.0	2334.0	0.00	582.50
170.0	0.00	0.0	2334.0	2334.0	0.00	582.50
171.0	0.00	0.0	2334.0	2334.0	0.00	582.50
172.0	0.00	0.0	2334.0	2334.0	0.00	582.50
173.0	0.00	0.0	2334.0	2334.0	0.00	582.50
174.0	0.00	0.0	2334.0	2334.0	0.00	582.50
175.0	0.00	0.0	2334.0	2334.0	0.00	582.50
176.0	0.00	0.0	2334.0	2334.0	0.00	582.50
177.0	0.00	0.0	2334.0	2334.0	0.00	582.50
178.0	0.00	0.0	2334.0	2334.0	0.00	582.50
179.0	0.00	0.0	2334.0	2334.0	0.00	582.50
180.0	0.00	0.0	2334.0	2334.0	0.00	582.50
181.0	0.00	0.0	2334.0	2334.0	0.00	582.50
182.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	2334.0	2334.0	0.00	582.50
184.0	0.00	0.0	2334.0	2334.0	0.00	582.50
185.0	0.00	0.0	2334.0	2334.0	0.00	582.50
186.0	0.00	0.0	2334.0	2334.0	0.00	582.50
187.0	0.00	0.0	2334.0	2334.0	0.00	582.50
188.0	0.00	0.0	2334.0	2334.0	0.00	582.50
189.0	0.00	0.0	2334.0	2334.0	0.00	582.50
190.0	0.00	0.0	2334.0	2334.0	0.00	582.50
191.0	0.00	0.0	2334.0	2334.0	0.00	582.50
192.0	0.00	0.0	2334.0	2334.0	0.00	582.50
193.0	0.00	0.0	2334.0	2334.0	0.00	582.50
194.0	0.00	0.0	2334.0	2334.0	0.00	582.50
195.0	0.00	0.0	2334.0	2334.0	0.00	582.50
196.0	0.00	0.0	2334.0	2334.0	0.00	582.50
197.0	0.00	0.0	2334.0	2334.0	0.00	582.50
198.0	0.00	0.0	2334.0	2334.0	0.00	582.50
199.0	0.00	0.0	2334.0	2334.0	0.00	582.50
200.0	0.00	0.0	2334.0	2334.0	0.00	582.50
201.0	0.00	0.0	2334.0	2334.0	0.00	582.50
202.0	0.00	0.0	2334.0	2334.0	0.00	582.50
203.0	0.00	0.0	2334.0	2334.0	0.00	582.50
204.0	0.00	0.0	2334.0	2334.0	0.00	582.50
205.0	0.00	0.0	2334.0	2334.0	0.00	582.50
206.0	0.00	0.0	2334.0	2334.0	0.00	582.50
207.0	0.00	0.0	2334.0	2334.0	0.00	582.50
208.0	0.00	0.0	2334.0	2334.0	0.00	582.50
209.0	0.00	0.0	2334.0	2334.0	0.00	582.50
210.0	0.00	0.0	2334.0	2334.0	0.00	582.50
211.0	0.00	0.0	2334.0	2334.0	0.00	582.50
212.0	0.00	0.0	2334.0	2334.0	0.00	582.50
213.0	0.00	0.0	2334.0	2334.0	0.00	582.50
214.0	0.00	0.0	2334.0	2334.0	0.00	582.50
215.0	0.00	0.0	2334.0	2334.0	0.00	582.50
216.0	0.00	0.0	2334.0	2334.0	0.00	582.50
217.0	0.00	0.0	2334.0	2334.0	0.00	582.50
218.0	0.00	0.0	2334.0	2334.0	0.00	582.50
219.0	0.00	0.0	2334.0	2334.0	0.00	582.50
220.0	0.00	0.0	2334.0	2334.0	0.00	582.50
221.0	0.00	0.0	2334.0	2334.0	0.00	582.50
222.0	0.00	0.0	2334.0	2334.0	0.00	582.50
223.0	0.00	0.0	2334.0	2334.0	0.00	582.50
224.0	0.00	0.0	2334.0	2334.0	0.00	582.50
225.0	0.00	0.0	2334.0	2334.0	0.00	582.50
226.0	0.00	0.0	2334.0	2334.0	0.00	582.50
227.0	0.00	0.0	2334.0	2334.0	0.00	582.50
228.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Input File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	2334.0	2334.0	0.00	582.50
230.0	0.00	0.0	2334.0	2334.0	0.00	582.50
231.0	0.00	0.0	2334.0	2334.0	0.00	582.50
232.0	0.00	0.0	2334.0	2334.0	0.00	582.50
233.0	0.00	0.0	2334.0	2334.0	0.00	582.50
234.0	0.00	0.0	2334.0	2334.0	0.00	582.50
235.0	0.00	0.0	2334.0	2334.0	0.00	582.50
236.0	0.00	0.0	2334.0	2334.0	0.00	582.50
237.0	0.00	0.0	2334.0	2334.0	0.00	582.50
238.0	0.00	0.0	2334.0	2334.0	0.00	582.50
239.0	0.00	0.0	2334.0	2334.0	0.00	582.50
240.0	0.00	0.0	2334.0	2334.0	0.00	582.50
241.0	0.00	0.0	2334.0	2334.0	0.00	582.50
242.0	0.00	0.0	2334.0	2334.0	0.00	582.50
243.0	0.00	0.0	2334.0	2334.0	0.00	582.50
244.0	0.00	0.0	2334.0	2334.0	0.00	582.50
245.0	0.00	0.0	2334.0	2334.0	0.00	582.50
246.0	0.00	0.0	2334.0	2334.0	0.00	582.50
247.0	0.00	0.0	2334.0	2334.0	0.00	582.50
248.0	0.00	0.0	2334.0	2334.0	0.00	582.50
249.0	0.00	0.0	2334.0	2334.0	0.00	582.50
250.0	0.00	0.0	2334.0	2334.0	0.00	582.50
251.0	0.00	0.0	2334.0	2334.0	0.00	582.50
252.0	0.00	0.0	2334.0	2334.0	0.00	582.50
253.0	0.00	0.0	2334.0	2334.0	0.00	582.50
254.0	0.00	0.0	2334.0	2334.0	0.00	582.50
255.0	0.00	0.0	2334.0	2334.0	0.00	582.50
256.0	0.00	0.0	2334.0	2334.0	0.00	582.50
257.0	0.00	0.0	2334.0	2334.0	0.00	582.50
258.0	0.00	0.0	2334.0	2334.0	0.00	582.50
259.0	0.00	0.0	2334.0	2334.0	0.00	582.50
260.0	0.00	0.0	2334.0	2334.0	0.00	582.50
261.0	0.00	0.0	2334.0	2334.0	0.00	582.50
262.0	0.00	0.0	2334.0	2334.0	0.00	582.50
263.0	0.00	0.0	2334.0	2334.0	0.00	582.50
264.0	0.00	0.0	2334.0	2334.0	0.00	582.50
265.0	0.00	0.0	2334.0	2334.0	0.00	582.50
266.0	0.00	0.0	2334.0	2334.0	0.00	582.50
267.0	0.00	0.0	2334.0	2334.0	0.00	582.50
268.0	0.00	0.0	2334.0	2334.0	0.00	582.50
269.0	0.00	0.0	2334.0	2334.0	0.00	582.50
270.0	0.00	0.0	2334.0	2334.0	0.00	582.50
271.0	0.00	0.0	2334.0	2334.0	0.00	582.50
272.0	0.00	0.0	2334.0	2334.0	0.00	582.50
273.0	0.00	0.0	2334.0	2334.0	0.00	582.50
274.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Input File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA425BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	2334.0	2334.0	0.00	582.50
276.0	0.00	0.0	2334.0	2334.0	0.00	582.50
277.0	0.00	0.0	2334.0	2334.0	0.00	582.50
278.0	0.00	0.0	2334.0	2334.0	0.00	582.50
279.0	0.00	0.0	2334.0	2334.0	0.00	582.50
280.0	0.00	0.0	2334.0	2334.0	0.00	582.50
281.0	0.00	0.0	2334.0	2334.0	0.00	582.50
282.0	0.00	0.0	2334.0	2334.0	0.00	582.50
283.0	0.00	0.0	2334.0	2334.0	0.00	582.50
284.0	0.00	0.0	2334.0	2334.0	0.00	582.50
285.0	0.00	0.0	2334.0	2334.0	0.00	582.50
286.0	0.00	0.0	2334.0	2334.0	0.00	582.50
287.0	0.00	0.0	2334.0	2334.0	0.00	582.50
288.0	0.00	0.0	2334.0	2334.0	0.00	582.50
289.0	0.00	0.0	2334.0	2334.0	0.00	582.50
290.0	0.00	0.0	2334.0	2334.0	0.00	582.50
291.0	0.00	0.0	2334.0	2334.0	0.00	582.50
292.0	0.00	0.0	2334.0	2334.0	0.00	582.50
293.0	0.00	0.0	2334.0	2334.0	0.00	582.50
294.0	0.00	0.0	2334.0	2334.0	0.00	582.50
295.0	0.00	0.0	2334.0	2334.0	0.00	582.50
296.0	0.00	0.0	2334.0	2334.0	0.00	582.50
297.0	0.00	0.0	2334.0	2334.0	0.00	582.50
298.0	0.00	0.0	2334.0	2334.0	0.00	582.50
299.0	0.00	0.0	2334.0	2334.0	0.00	582.50
300.0	0.00	0.0	2334.0	2334.0	0.00	582.50
301.0	0.00	0.0	2334.0	2334.0	0.00	582.50
302.0	0.00	0.0	2334.0	2334.0	0.00	582.50
303.0	0.00	0.0	2334.0	2334.0	0.00	582.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4BL.PND
Inflow Hydrograph: j:\DATA\0312269\25BASN4 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA425BL .HYD

Starting Pond W.S. Elevation = 582.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 68.23 cfs
Peak Outflow = 68.21 cfs
Peak Elevation = 583.16 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 70,021 cu-ft
Peak Storage From Storm = 10,935 cu-ft

Total Storage in Pond = 80,955 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #4
*   BLOCKED LOW FLOW
*
*
*****
  
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Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Rating Table file: j:\DATA\0312269\BASIN4BL.PND

----INITIAL CONDITIONS----
 Elevation = 582.50 ft
 Outflow = 0.00 cfs
 Storage = 70,021 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
582.50	0.0	70,021	2334.0	2334.0
582.70	11.4	73,353	2445.1	2456.5
582.90	32.3	76,688	2556.3	2588.6
583.10	59.3	80,025	2667.5	2726.8
583.30	91.3	83,365	2778.8	2870.1
583.50	131.6	86,708	2890.3	3021.9
583.70	155.7	90,053	3001.8	3157.5
583.90	176.6	93,400	3113.3	3289.9
584.00	186.1	95,075	3169.2	3355.3

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	2334.0	2334.0	0.00	582.50
1.0	8.76	8.8	2341.1	2342.8	0.82	582.51
2.0	26.28	35.0	2368.3	2376.2	3.93	582.57
3.0	35.04	61.3	2411.8	2429.7	8.90	582.66
4.0	43.79	78.8	2457.1	2490.7	16.81	582.75
5.0	52.55	96.3	2499.9	2553.4	26.73	582.85
6.0	70.07	122.6	2544.7	2622.5	38.94	582.95
7.0	78.83	148.9	2588.0	2693.6	52.81	583.05
8.0	87.59	166.4	2623.5	2754.4	65.46	583.14
9.0	87.59	175.2	2648.0	2798.6	75.34	583.20
10.0	87.59	175.2	2661.5	2823.1	80.81	583.23
11.0	87.59	175.2	2669.0	2836.7	83.84	583.25
12.0	87.59	175.2	2673.2	2844.2	85.51	583.26
13.0	87.59	175.2	2675.5	2848.4	86.44	583.27
14.0	87.59	175.2	2676.8	2850.7	86.95	583.27
15.0	87.59	175.2	2677.5	2851.9	87.24	583.27
16.0	87.59	175.2	2677.9	2852.6	87.40	583.28
17.0	87.59	175.2	2678.1	2853.0	87.48	583.28
18.0	87.59	175.2	2678.2	2853.2	87.53	583.28
19.0	87.59	175.2	2678.3	2853.4	87.56	583.28
20.0	87.59	175.2	2678.3	2853.4	87.57	583.28
21.0	78.83	166.4	2673.5	2844.7	85.62	583.26
22.0	70.07	148.9	2661.1	2822.4	80.64	583.23
23.0	52.55	122.6	2639.7	2783.7	72.01	583.18
24.0	43.79	96.3	2613.3	2736.0	61.36	583.11
25.0	35.04	78.8	2587.1	2692.1	52.53	583.05
26.0	26.28	61.3	2560.4	2648.4	43.99	582.99
27.0	8.76	35.0	2528.2	2595.5	33.65	582.91
28.0	0.00	8.8	2488.7	2536.9	24.13	582.82
29.0	0.00	0.0	2455.7	2488.7	16.49	582.75
30.0	0.00	0.0	2433.0	2455.7	11.33	582.70
31.0	0.00	0.0	2414.6	2433.0	9.22	582.66
32.0	0.00	0.0	2399.6	2414.6	7.50	582.63
33.0	0.00	0.0	2387.4	2399.6	6.10	582.61
34.0	0.00	0.0	2377.5	2387.4	4.97	582.59
35.0	0.00	0.0	2369.4	2377.5	4.04	582.57
36.0	0.00	0.0	2362.8	2369.4	3.29	582.56
37.0	0.00	0.0	2357.4	2362.8	2.68	582.55
38.0	0.00	0.0	2353.1	2357.4	2.18	582.54
39.0	0.00	0.0	2349.5	2353.1	1.77	582.53
40.0	0.00	0.0	2346.6	2349.5	1.44	582.53
41.0	0.00	0.0	2344.3	2346.6	1.17	582.52
42.0	0.00	0.0	2342.4	2344.3	0.96	582.52
43.0	0.00	0.0	2340.8	2342.4	0.78	582.51
44.0	0.00	0.0	2339.6	2340.8	0.63	582.51

Pond File: j:\DATA\0312269\BASIN4BL.PND
 flow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	2338.5	2339.6	0.52	582.51
46.0	0.00	0.0	2337.7	2338.5	0.42	582.51
47.0	0.00	0.0	2337.0	2337.7	0.34	582.51
48.0	0.00	0.0	2336.4	2337.0	0.28	582.50
49.0	0.00	0.0	2336.0	2336.4	0.23	582.50
50.0	0.00	0.0	2335.6	2336.0	0.18	582.50
51.0	0.00	0.0	2335.3	2335.6	0.15	582.50
52.0	0.00	0.0	2335.1	2335.3	0.12	582.50
53.0	0.00	0.0	2334.9	2335.1	0.10	582.50
54.0	0.00	0.0	2334.7	2334.9	0.08	582.50
55.0	0.00	0.0	2334.6	2334.7	0.07	582.50
56.0	0.00	0.0	2334.5	2334.6	0.05	582.50
57.0	0.00	0.0	2334.4	2334.5	0.04	582.50
58.0	0.00	0.0	2334.3	2334.4	0.04	582.50
59.0	0.00	0.0	2334.3	2334.3	0.03	582.50
60.0	0.00	0.0	2334.2	2334.3	0.02	582.50
61.0	0.00	0.0	2334.2	2334.2	0.02	582.50
62.0	0.00	0.0	2334.1	2334.2	0.02	582.50
63.0	0.00	0.0	2334.1	2334.1	0.01	582.50
64.0	0.00	0.0	2334.1	2334.1	0.01	582.50
65.0	0.00	0.0	2334.1	2334.1	0.01	582.50
66.0	0.00	0.0	2334.1	2334.1	0.01	582.50
67.0	0.00	0.0	2334.1	2334.1	0.01	582.50
68.0	0.00	0.0	2334.1	2334.1	0.00	582.50
69.0	0.00	0.0	2334.0	2334.1	0.00	582.50
70.0	0.00	0.0	2334.0	2334.0	0.00	582.50
71.0	0.00	0.0	2334.0	2334.0	0.00	582.50
72.0	0.00	0.0	2334.0	2334.0	0.00	582.50
73.0	0.00	0.0	2334.0	2334.0	0.00	582.50
74.0	0.00	0.0	2334.0	2334.0	0.00	582.50
75.0	0.00	0.0	2334.0	2334.0	0.00	582.50
76.0	0.00	0.0	2334.0	2334.0	0.00	582.50
77.0	0.00	0.0	2334.0	2334.0	0.00	582.50
78.0	0.00	0.0	2334.0	2334.0	0.00	582.50
79.0	0.00	0.0	2334.0	2334.0	0.00	582.50
80.0	0.00	0.0	2334.0	2334.0	0.00	582.50
81.0	0.00	0.0	2334.0	2334.0	0.00	582.50
82.0	0.00	0.0	2334.0	2334.0	0.00	582.50
83.0	0.00	0.0	2334.0	2334.0	0.00	582.50
84.0	0.00	0.0	2334.0	2334.0	0.00	582.50
85.0	0.00	0.0	2334.0	2334.0	0.00	582.50
86.0	0.00	0.0	2334.0	2334.0	0.00	582.50
87.0	0.00	0.0	2334.0	2334.0	0.00	582.50
88.0	0.00	0.0	2334.0	2334.0	0.00	582.50
89.0	0.00	0.0	2334.0	2334.0	0.00	582.50
90.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Inflow File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	2334.0	2334.0	0.00	582.50
92.0	0.00	0.0	2334.0	2334.0	0.00	582.50
93.0	0.00	0.0	2334.0	2334.0	0.00	582.50
94.0	0.00	0.0	2334.0	2334.0	0.00	582.50
95.0	0.00	0.0	2334.0	2334.0	0.00	582.50
96.0	0.00	0.0	2334.0	2334.0	0.00	582.50
97.0	0.00	0.0	2334.0	2334.0	0.00	582.50
98.0	0.00	0.0	2334.0	2334.0	0.00	582.50
99.0	0.00	0.0	2334.0	2334.0	0.00	582.50
100.0	0.00	0.0	2334.0	2334.0	0.00	582.50
101.0	0.00	0.0	2334.0	2334.0	0.00	582.50
102.0	0.00	0.0	2334.0	2334.0	0.00	582.50
103.0	0.00	0.0	2334.0	2334.0	0.00	582.50
104.0	0.00	0.0	2334.0	2334.0	0.00	582.50
105.0	0.00	0.0	2334.0	2334.0	0.00	582.50
106.0	0.00	0.0	2334.0	2334.0	0.00	582.50
107.0	0.00	0.0	2334.0	2334.0	0.00	582.50
108.0	0.00	0.0	2334.0	2334.0	0.00	582.50
109.0	0.00	0.0	2334.0	2334.0	0.00	582.50
110.0	0.00	0.0	2334.0	2334.0	0.00	582.50
111.0	0.00	0.0	2334.0	2334.0	0.00	582.50
112.0	0.00	0.0	2334.0	2334.0	0.00	582.50
113.0	0.00	0.0	2334.0	2334.0	0.00	582.50
114.0	0.00	0.0	2334.0	2334.0	0.00	582.50
115.0	0.00	0.0	2334.0	2334.0	0.00	582.50
116.0	0.00	0.0	2334.0	2334.0	0.00	582.50
117.0	0.00	0.0	2334.0	2334.0	0.00	582.50
118.0	0.00	0.0	2334.0	2334.0	0.00	582.50
119.0	0.00	0.0	2334.0	2334.0	0.00	582.50
120.0	0.00	0.0	2334.0	2334.0	0.00	582.50
121.0	0.00	0.0	2334.0	2334.0	0.00	582.50
122.0	0.00	0.0	2334.0	2334.0	0.00	582.50
123.0	0.00	0.0	2334.0	2334.0	0.00	582.50
124.0	0.00	0.0	2334.0	2334.0	0.00	582.50
125.0	0.00	0.0	2334.0	2334.0	0.00	582.50
126.0	0.00	0.0	2334.0	2334.0	0.00	582.50
127.0	0.00	0.0	2334.0	2334.0	0.00	582.50
128.0	0.00	0.0	2334.0	2334.0	0.00	582.50
129.0	0.00	0.0	2334.0	2334.0	0.00	582.50
130.0	0.00	0.0	2334.0	2334.0	0.00	582.50
131.0	0.00	0.0	2334.0	2334.0	0.00	582.50
132.0	0.00	0.0	2334.0	2334.0	0.00	582.50
133.0	0.00	0.0	2334.0	2334.0	0.00	582.50
134.0	0.00	0.0	2334.0	2334.0	0.00	582.50
135.0	0.00	0.0	2334.0	2334.0	0.00	582.50
136.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	2334.0	2334.0	0.00	582.50
138.0	0.00	0.0	2334.0	2334.0	0.00	582.50
139.0	0.00	0.0	2334.0	2334.0	0.00	582.50
140.0	0.00	0.0	2334.0	2334.0	0.00	582.50
141.0	0.00	0.0	2334.0	2334.0	0.00	582.50
142.0	0.00	0.0	2334.0	2334.0	0.00	582.50
143.0	0.00	0.0	2334.0	2334.0	0.00	582.50
144.0	0.00	0.0	2334.0	2334.0	0.00	582.50
145.0	0.00	0.0	2334.0	2334.0	0.00	582.50
146.0	0.00	0.0	2334.0	2334.0	0.00	582.50
147.0	0.00	0.0	2334.0	2334.0	0.00	582.50
148.0	0.00	0.0	2334.0	2334.0	0.00	582.50
149.0	0.00	0.0	2334.0	2334.0	0.00	582.50
150.0	0.00	0.0	2334.0	2334.0	0.00	582.50
151.0	0.00	0.0	2334.0	2334.0	0.00	582.50
152.0	0.00	0.0	2334.0	2334.0	0.00	582.50
153.0	0.00	0.0	2334.0	2334.0	0.00	582.50
154.0	0.00	0.0	2334.0	2334.0	0.00	582.50
155.0	0.00	0.0	2334.0	2334.0	0.00	582.50
156.0	0.00	0.0	2334.0	2334.0	0.00	582.50
157.0	0.00	0.0	2334.0	2334.0	0.00	582.50
158.0	0.00	0.0	2334.0	2334.0	0.00	582.50
159.0	0.00	0.0	2334.0	2334.0	0.00	582.50
160.0	0.00	0.0	2334.0	2334.0	0.00	582.50
161.0	0.00	0.0	2334.0	2334.0	0.00	582.50
162.0	0.00	0.0	2334.0	2334.0	0.00	582.50
163.0	0.00	0.0	2334.0	2334.0	0.00	582.50
164.0	0.00	0.0	2334.0	2334.0	0.00	582.50
165.0	0.00	0.0	2334.0	2334.0	0.00	582.50
166.0	0.00	0.0	2334.0	2334.0	0.00	582.50
167.0	0.00	0.0	2334.0	2334.0	0.00	582.50
168.0	0.00	0.0	2334.0	2334.0	0.00	582.50
169.0	0.00	0.0	2334.0	2334.0	0.00	582.50
170.0	0.00	0.0	2334.0	2334.0	0.00	582.50
171.0	0.00	0.0	2334.0	2334.0	0.00	582.50
172.0	0.00	0.0	2334.0	2334.0	0.00	582.50
173.0	0.00	0.0	2334.0	2334.0	0.00	582.50
174.0	0.00	0.0	2334.0	2334.0	0.00	582.50
175.0	0.00	0.0	2334.0	2334.0	0.00	582.50
176.0	0.00	0.0	2334.0	2334.0	0.00	582.50
177.0	0.00	0.0	2334.0	2334.0	0.00	582.50
178.0	0.00	0.0	2334.0	2334.0	0.00	582.50
179.0	0.00	0.0	2334.0	2334.0	0.00	582.50
180.0	0.00	0.0	2334.0	2334.0	0.00	582.50
181.0	0.00	0.0	2334.0	2334.0	0.00	582.50
182.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	2334.0	2334.0	0.00	582.50
184.0	0.00	0.0	2334.0	2334.0	0.00	582.50
185.0	0.00	0.0	2334.0	2334.0	0.00	582.50
186.0	0.00	0.0	2334.0	2334.0	0.00	582.50
187.0	0.00	0.0	2334.0	2334.0	0.00	582.50
188.0	0.00	0.0	2334.0	2334.0	0.00	582.50
189.0	0.00	0.0	2334.0	2334.0	0.00	582.50
190.0	0.00	0.0	2334.0	2334.0	0.00	582.50
191.0	0.00	0.0	2334.0	2334.0	0.00	582.50
192.0	0.00	0.0	2334.0	2334.0	0.00	582.50
193.0	0.00	0.0	2334.0	2334.0	0.00	582.50
194.0	0.00	0.0	2334.0	2334.0	0.00	582.50
195.0	0.00	0.0	2334.0	2334.0	0.00	582.50
196.0	0.00	0.0	2334.0	2334.0	0.00	582.50
197.0	0.00	0.0	2334.0	2334.0	0.00	582.50
198.0	0.00	0.0	2334.0	2334.0	0.00	582.50
199.0	0.00	0.0	2334.0	2334.0	0.00	582.50
200.0	0.00	0.0	2334.0	2334.0	0.00	582.50
201.0	0.00	0.0	2334.0	2334.0	0.00	582.50
202.0	0.00	0.0	2334.0	2334.0	0.00	582.50
203.0	0.00	0.0	2334.0	2334.0	0.00	582.50
204.0	0.00	0.0	2334.0	2334.0	0.00	582.50
205.0	0.00	0.0	2334.0	2334.0	0.00	582.50
206.0	0.00	0.0	2334.0	2334.0	0.00	582.50
207.0	0.00	0.0	2334.0	2334.0	0.00	582.50
208.0	0.00	0.0	2334.0	2334.0	0.00	582.50
209.0	0.00	0.0	2334.0	2334.0	0.00	582.50
210.0	0.00	0.0	2334.0	2334.0	0.00	582.50
211.0	0.00	0.0	2334.0	2334.0	0.00	582.50
212.0	0.00	0.0	2334.0	2334.0	0.00	582.50
213.0	0.00	0.0	2334.0	2334.0	0.00	582.50
214.0	0.00	0.0	2334.0	2334.0	0.00	582.50
215.0	0.00	0.0	2334.0	2334.0	0.00	582.50
216.0	0.00	0.0	2334.0	2334.0	0.00	582.50
217.0	0.00	0.0	2334.0	2334.0	0.00	582.50
218.0	0.00	0.0	2334.0	2334.0	0.00	582.50
219.0	0.00	0.0	2334.0	2334.0	0.00	582.50
220.0	0.00	0.0	2334.0	2334.0	0.00	582.50
221.0	0.00	0.0	2334.0	2334.0	0.00	582.50
222.0	0.00	0.0	2334.0	2334.0	0.00	582.50
223.0	0.00	0.0	2334.0	2334.0	0.00	582.50
224.0	0.00	0.0	2334.0	2334.0	0.00	582.50
225.0	0.00	0.0	2334.0	2334.0	0.00	582.50
226.0	0.00	0.0	2334.0	2334.0	0.00	582.50
227.0	0.00	0.0	2334.0	2334.0	0.00	582.50
228.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Pond File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	2334.0	2334.0	0.00	582.50
230.0	0.00	0.0	2334.0	2334.0	0.00	582.50
231.0	0.00	0.0	2334.0	2334.0	0.00	582.50
232.0	0.00	0.0	2334.0	2334.0	0.00	582.50
233.0	0.00	0.0	2334.0	2334.0	0.00	582.50
234.0	0.00	0.0	2334.0	2334.0	0.00	582.50
235.0	0.00	0.0	2334.0	2334.0	0.00	582.50
236.0	0.00	0.0	2334.0	2334.0	0.00	582.50
237.0	0.00	0.0	2334.0	2334.0	0.00	582.50
238.0	0.00	0.0	2334.0	2334.0	0.00	582.50
239.0	0.00	0.0	2334.0	2334.0	0.00	582.50
240.0	0.00	0.0	2334.0	2334.0	0.00	582.50
241.0	0.00	0.0	2334.0	2334.0	0.00	582.50
242.0	0.00	0.0	2334.0	2334.0	0.00	582.50
243.0	0.00	0.0	2334.0	2334.0	0.00	582.50
244.0	0.00	0.0	2334.0	2334.0	0.00	582.50
245.0	0.00	0.0	2334.0	2334.0	0.00	582.50
246.0	0.00	0.0	2334.0	2334.0	0.00	582.50
247.0	0.00	0.0	2334.0	2334.0	0.00	582.50
248.0	0.00	0.0	2334.0	2334.0	0.00	582.50
249.0	0.00	0.0	2334.0	2334.0	0.00	582.50
250.0	0.00	0.0	2334.0	2334.0	0.00	582.50
251.0	0.00	0.0	2334.0	2334.0	0.00	582.50
252.0	0.00	0.0	2334.0	2334.0	0.00	582.50
253.0	0.00	0.0	2334.0	2334.0	0.00	582.50
254.0	0.00	0.0	2334.0	2334.0	0.00	582.50
255.0	0.00	0.0	2334.0	2334.0	0.00	582.50
256.0	0.00	0.0	2334.0	2334.0	0.00	582.50
257.0	0.00	0.0	2334.0	2334.0	0.00	582.50
258.0	0.00	0.0	2334.0	2334.0	0.00	582.50
259.0	0.00	0.0	2334.0	2334.0	0.00	582.50
260.0	0.00	0.0	2334.0	2334.0	0.00	582.50
261.0	0.00	0.0	2334.0	2334.0	0.00	582.50
262.0	0.00	0.0	2334.0	2334.0	0.00	582.50
263.0	0.00	0.0	2334.0	2334.0	0.00	582.50
264.0	0.00	0.0	2334.0	2334.0	0.00	582.50
265.0	0.00	0.0	2334.0	2334.0	0.00	582.50
266.0	0.00	0.0	2334.0	2334.0	0.00	582.50
267.0	0.00	0.0	2334.0	2334.0	0.00	582.50
268.0	0.00	0.0	2334.0	2334.0	0.00	582.50
269.0	0.00	0.0	2334.0	2334.0	0.00	582.50
270.0	0.00	0.0	2334.0	2334.0	0.00	582.50
271.0	0.00	0.0	2334.0	2334.0	0.00	582.50
272.0	0.00	0.0	2334.0	2334.0	0.00	582.50
273.0	0.00	0.0	2334.0	2334.0	0.00	582.50
274.0	0.00	0.0	2334.0	2334.0	0.00	582.50

Input File: j:\DATA\0312269\BASIN4BL.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN4.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	2334.0	2334.0	0.00	582.50
276.0	0.00	0.0	2334.0	2334.0	0.00	582.50
277.0	0.00	0.0	2334.0	2334.0	0.00	582.50
278.0	0.00	0.0	2334.0	2334.0	0.00	582.50
279.0	0.00	0.0	2334.0	2334.0	0.00	582.50
280.0	0.00	0.0	2334.0	2334.0	0.00	582.50
281.0	0.00	0.0	2334.0	2334.0	0.00	582.50
282.0	0.00	0.0	2334.0	2334.0	0.00	582.50
283.0	0.00	0.0	2334.0	2334.0	0.00	582.50
284.0	0.00	0.0	2334.0	2334.0	0.00	582.50
285.0	0.00	0.0	2334.0	2334.0	0.00	582.50
286.0	0.00	0.0	2334.0	2334.0	0.00	582.50
287.0	0.00	0.0	2334.0	2334.0	0.00	582.50
288.0	0.00	0.0	2334.0	2334.0	0.00	582.50
289.0	0.00	0.0	2334.0	2334.0	0.00	582.50
290.0	0.00	0.0	2334.0	2334.0	0.00	582.50
291.0	0.00	0.0	2334.0	2334.0	0.00	582.50
292.0	0.00	0.0	2334.0	2334.0	0.00	582.50
293.0	0.00	0.0	2334.0	2334.0	0.00	582.50
294.0	0.00	0.0	2334.0	2334.0	0.00	582.50
295.0	0.00	0.0	2334.0	2334.0	0.00	582.50
296.0	0.00	0.0	2334.0	2334.0	0.00	582.50
297.0	0.00	0.0	2334.0	2334.0	0.00	582.50
298.0	0.00	0.0	2334.0	2334.0	0.00	582.50
299.0	0.00	0.0	2334.0	2334.0	0.00	582.50
300.0	0.00	0.0	2334.0	2334.0	0.00	582.50
301.0	0.00	0.0	2334.0	2334.0	0.00	582.50
302.0	0.00	0.0	2334.0	2334.0	0.00	582.50
303.0	0.00	0.0	2334.0	2334.0	0.00	582.50

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN4BL.PND
Inflow Hydrograph: j:\DATA\0312269\100BASN4.HYD
Outflow Hydrograph: j:\DATA\0312269\BA4100BL.HYD

Starting Pond W.S. Elevation = 582.50 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 87.59 cfs
Peak Outflow = 87.57 cfs
Peak Elevation = 583.28 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 70,021 cu-ft
Peak Storage From Storm = 12,955 cu-ft

Total Storage in Pond = 82,976 cu-ft

THE VILLAGES @ SPRINGHURST
 DETENTION BASIN #5

CALCULATED 03-02-2005 13:56:32
 DISK FILE: j:\DATA\0312269\BASIN5 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
566.00	0.00	0	0	0	0
567.00	522.00	522	522	174	174
568.00	1,901.00	1,901	3,419	1,140	1,314
570.00	3,640.00	3,640	8,172	5,448	6,761
572.00	5,844.00	5,844	14,096	9,397	16,159
574.00	8,421.00	8,421	21,280	14,187	30,346
575.00	9,800.00	9,800	27,305	9,102	39,447

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 Ei = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for Ei

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

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
566.00	0.0	1
566.30	0.1	1
566.60	0.4	1
566.90	0.7	1
567.20	1.1	1
567.50	1.5	1
567.80	2.0	1
568.10	2.5	1
568.40	3.1	1
568.70	3.7	1
569.00	4.3	1
569.30	5.1	2
569.60	5.5	2
569.90	6.0	2
570.20	6.3	2
570.50	6.7	2
570.80	7.1	2
571.10	7.4	2
571.40	7.7	2
571.70	8.0	2
572.00	8.3	2
572.30	8.6	2
572.60	8.8	2
572.90	11.3	2 +3
573.20	21.0	2 +3
573.50	34.6	2 +3
573.80	51.5	2 +4
574.10	61.9	2 +4
574.40	70.6	2 +4
574.70	78.2	2 +4
575.00	85.1	2 +4

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

Outlet Structure File: j:\DATA\0312269\BASIN5B .STR
Planimeter Input File: j:\DATA\0312269\BASIN5 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN5B .PND

Min. Elev.(ft) = 566 Max. Elev.(ft) = 575 Incr.(ft) = .3

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN5B .PND

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev.(ft)?	566
E2 elev.(ft)?	569.3
Weir coefficient?	3.3
Weir elev.(ft)?	566
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	569.3
E2 elev.(ft)?	575.001
Orifice coeff.?	.6
Invert elev.(ft)?	566
Datum elev.(ft) ?	567.65
Orifice area (sq ft)?	.825

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev.(ft)?	572.75
E2 elev.(ft)?	573.75
Weir coefficient?	3.3
Weir elev.(ft)?	572.75
Length (ft)?	11.67
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN5B .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	573.75
E2 elev.(ft)?	575.001
Orifice coeff.?	.6
Invert elev.(ft)?	572.75
Datum elev.(ft) ?	573.25
Orifice area (sq ft)?	11.67

 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #5 *
 * *
 * *
 * *

Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5B .PND

----INITIAL CONDITIONS----
 Elevation = 566.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
566.00	0.0	0	0.0	0.0
566.30	0.1	5	0.2	0.3
566.60	0.4	37	1.2	1.6
566.90	0.7	127	4.2	4.9
567.20	1.1	298	9.9	11.0
567.50	1.5	572	19.1	20.6
567.80	2.0	968	32.3	34.3
568.10	2.5	1,508	50.3	52.8
568.40	3.1	2,134	71.1	74.2
568.70	3.7	2,831	94.4	98.1
569.00	4.3	3,603	120.1	124.4
569.30	5.1	4,453	148.4	153.5
569.60	5.5	5,384	179.5	185.0
569.90	6.0	6,402	213.4	219.4
570.20	6.3	7,509	250.3	256.6
570.50	6.7	8,705	290.2	296.9
570.80	7.1	9,996	333.2	340.3
571.10	7.4	11,382	379.4	386.8
571.40	7.7	12,870	429.0	436.7
571.70	8.0	14,461	482.0	490.0
572.00	8.3	16,159	538.6	546.9
572.30	8.6	17,965	598.8	607.4
572.60	8.8	19,880	662.7	671.5
572.90	11.3	21,907	730.2	741.5
573.20	21.0	24,049	801.6	822.6
573.50	34.6	26,308	876.9	911.5
573.80	51.5	28,689	956.3	1007.8
574.10	61.9	31,194	1039.8	1101.7
574.40	70.6	33,821	1127.4	1198.0
574.70	78.2	36,572	1219.1	1297.3
575.00	85.1	39,448	1314.9	1400.0

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	566.00
1.0	1.28	1.3	0.6	1.3	0.32	566.52
2.0	3.85	5.1	4.3	5.8	0.76	566.94
3.0	6.41	10.3	12.0	14.5	1.25	567.31
4.0	8.97	15.4	23.9	27.4	1.75	567.65
5.0	11.54	20.5	39.9	44.4	2.27	567.96
6.0	12.82	24.4	58.6	64.2	2.82	568.26
7.0	12.82	25.6	77.5	84.2	3.35	568.53
8.0	12.82	25.6	95.5	103.2	3.82	568.76
9.0	12.82	25.6	112.7	121.2	4.23	568.96
10.0	12.82	25.6	129.0	138.4	4.68	569.14
11.0	12.82	25.6	144.4	154.6	5.11	569.31
12.0	12.82	25.6	159.4	170.0	5.31	569.46
13.0	12.82	25.6	174.1	185.1	5.50	569.60
14.0	12.82	25.6	188.3	199.7	5.71	569.73
15.0	12.82	25.6	202.1	213.9	5.92	569.85
16.0	12.82	25.6	215.6	227.7	6.07	569.97
17.0	12.82	25.6	228.9	241.2	6.18	570.08
18.0	12.82	25.6	241.9	254.5	6.28	570.18
19.0	12.82	25.6	254.8	267.6	6.41	570.28
20.0	12.82	25.6	267.3	280.4	6.54	570.38
21.0	12.82	25.6	279.6	293.0	6.66	570.47
22.0	11.54	24.4	290.5	304.0	6.77	570.55
23.0	8.97	20.5	297.3	311.0	6.83	570.60
24.0	6.41	15.4	299.0	312.7	6.85	570.61
25.0	3.85	10.3	295.6	309.3	6.81	570.59
26.0	1.28	5.1	287.3	300.8	6.74	570.53
27.0	0.00	1.3	275.4	288.6	6.62	570.44
28.0	0.00	0.0	262.4	275.4	6.49	570.34
29.0	0.00	0.0	249.7	262.4	6.36	570.24
30.0	0.00	0.0	237.2	249.7	6.24	570.14
31.0	0.00	0.0	224.9	237.2	6.14	570.04
32.0	0.00	0.0	212.8	224.9	6.04	569.94
33.0	0.00	0.0	201.0	212.8	5.90	569.84
34.0	0.00	0.0	189.5	201.0	5.73	569.74
35.0	0.00	0.0	178.4	189.5	5.57	569.64
36.0	0.00	0.0	167.6	178.4	5.42	569.54
37.0	0.00	0.0	157.0	167.6	5.28	569.43
38.0	0.00	0.0	146.7	157.0	5.14	569.33
39.0	0.00	0.0	136.9	146.7	4.91	569.23
40.0	0.00	0.0	127.6	136.9	4.64	569.13
41.0	0.00	0.0	118.8	127.6	4.39	569.03
42.0	0.00	0.0	110.5	118.8	4.17	568.94
43.0	0.00	0.0	102.5	110.5	3.98	568.84
44.0	0.00	0.0	94.9	102.5	3.80	568.75

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	87.7	94.9	3.62	568.66
46.0	0.00	0.0	80.8	87.7	3.44	568.57
47.0	0.00	0.0	74.3	80.8	3.27	568.48
48.0	0.00	0.0	68.1	74.3	3.10	568.40
49.0	0.00	0.0	62.2	68.1	2.93	568.31
50.0	0.00	0.0	56.7	62.2	2.76	568.23
51.0	0.00	0.0	51.5	56.7	2.61	568.15
52.0	0.00	0.0	46.5	51.5	2.47	568.08
53.0	0.00	0.0	41.9	46.5	2.33	568.00
54.0	0.00	0.0	37.5	41.9	2.21	567.92
55.0	0.00	0.0	33.3	37.5	2.09	567.85
56.0	0.00	0.0	29.4	33.3	1.96	567.78
57.0	0.00	0.0	25.7	29.4	1.82	567.69
58.0	0.00	0.0	22.3	25.7	1.69	567.61
59.0	0.00	0.0	19.2	22.3	1.57	567.54
60.0	0.00	0.0	16.3	19.2	1.44	567.46
61.0	0.00	0.0	13.7	16.3	1.32	567.37
62.0	0.00	0.0	11.3	13.7	1.21	567.28
63.0	0.00	0.0	9.0	11.3	1.11	567.21
64.0	0.00	0.0	7.1	9.0	0.97	567.10
65.0	0.00	0.0	5.4	7.1	0.84	567.01
66.0	0.00	0.0	4.0	5.4	0.73	566.92
67.0	0.00	0.0	2.7	4.0	0.61	566.81
68.0	0.00	0.0	1.7	2.7	0.50	566.70
69.0	0.00	0.0	0.9	1.7	0.41	566.61
70.0	0.00	0.0	0.4	0.9	0.24	566.44
71.0	0.00	0.0	0.2	0.4	0.14	566.34
72.0	0.00	0.0	0.0	0.2	0.06	566.18
73.0	0.00	0.0	0.0	0.0	0.01	566.04
74.0	0.00	0.0	0.0	0.0	0.00	566.01
75.0	0.00	0.0	0.0	0.0	0.00	566.00
76.0	0.00	0.0	0.0	0.0	0.00	566.00
77.0	0.00	0.0	0.0	0.0	0.00	566.00
78.0	0.00	0.0	0.0	0.0	0.00	566.00
79.0	0.00	0.0	0.0	0.0	0.00	566.00
80.0	0.00	0.0	0.0	0.0	0.00	566.00
81.0	0.00	0.0	0.0	0.0	0.00	566.00
82.0	0.00	0.0	0.0	0.0	0.00	566.00
83.0	0.00	0.0	0.0	0.0	0.00	566.00
84.0	0.00	0.0	0.0	0.0	0.00	566.00
85.0	0.00	0.0	0.0	0.0	0.00	566.00
86.0	0.00	0.0	0.0	0.0	0.00	566.00
87.0	0.00	0.0	0.0	0.0	0.00	566.00
88.0	0.00	0.0	0.0	0.0	0.00	566.00
89.0	0.00	0.0	0.0	0.0	0.00	566.00
90.0	0.00	0.0	0.0	0.0	0.00	566.00

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	0.0	0.0	0.00	566.00
92.0	0.00	0.0	0.0	0.0	0.00	566.00
93.0	0.00	0.0	0.0	0.0	0.00	566.00
94.0	0.00	0.0	0.0	0.0	0.00	566.00
95.0	0.00	0.0	0.0	0.0	0.00	566.00
96.0	0.00	0.0	0.0	0.0	0.00	566.00
97.0	0.00	0.0	0.0	0.0	0.00	566.00
98.0	0.00	0.0	0.0	0.0	0.00	566.00
99.0	0.00	0.0	0.0	0.0	0.00	566.00
100.0	0.00	0.0	0.0	0.0	0.00	566.00
101.0	0.00	0.0	0.0	0.0	0.00	566.00
102.0	0.00	0.0	0.0	0.0	0.00	566.00
103.0	0.00	0.0	0.0	0.0	0.00	566.00
104.0	0.00	0.0	0.0	0.0	0.00	566.00
105.0	0.00	0.0	0.0	0.0	0.00	566.00
106.0	0.00	0.0	0.0	0.0	0.00	566.00
107.0	0.00	0.0	0.0	0.0	0.00	566.00
108.0	0.00	0.0	0.0	0.0	0.00	566.00
109.0	0.00	0.0	0.0	0.0	0.00	566.00
110.0	0.00	0.0	0.0	0.0	0.00	566.00
111.0	0.00	0.0	0.0	0.0	0.00	566.00
112.0	0.00	0.0	0.0	0.0	0.00	566.00
113.0	0.00	0.0	0.0	0.0	0.00	566.00
114.0	0.00	0.0	0.0	0.0	0.00	566.00
115.0	0.00	0.0	0.0	0.0	0.00	566.00
116.0	0.00	0.0	0.0	0.0	0.00	566.00
117.0	0.00	0.0	0.0	0.0	0.00	566.00
118.0	0.00	0.0	0.0	0.0	0.00	566.00
119.0	0.00	0.0	0.0	0.0	0.00	566.00
120.0	0.00	0.0	0.0	0.0	0.00	566.00
121.0	0.00	0.0	0.0	0.0	0.00	566.00
122.0	0.00	0.0	0.0	0.0	0.00	566.00
123.0	0.00	0.0	0.0	0.0	0.00	566.00
124.0	0.00	0.0	0.0	0.0	0.00	566.00
125.0	0.00	0.0	0.0	0.0	0.00	566.00
126.0	0.00	0.0	0.0	0.0	0.00	566.00
127.0	0.00	0.0	0.0	0.0	0.00	566.00
128.0	0.00	0.0	0.0	0.0	0.00	566.00
129.0	0.00	0.0	0.0	0.0	0.00	566.00
130.0	0.00	0.0	0.0	0.0	0.00	566.00
131.0	0.00	0.0	0.0	0.0	0.00	566.00
132.0	0.00	0.0	0.0	0.0	0.00	566.00
133.0	0.00	0.0	0.0	0.0	0.00	566.00
134.0	0.00	0.0	0.0	0.0	0.00	566.00
135.0	0.00	0.0	0.0	0.0	0.00	566.00
136.0	0.00	0.0	0.0	0.0	0.00	566.00

Inflow File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	0.0	0.0	0.00	566.00
138.0	0.00	0.0	0.0	0.0	0.00	566.00
139.0	0.00	0.0	0.0	0.0	0.00	566.00
140.0	0.00	0.0	0.0	0.0	0.00	566.00
141.0	0.00	0.0	0.0	0.0	0.00	566.00
142.0	0.00	0.0	0.0	0.0	0.00	566.00
143.0	0.00	0.0	0.0	0.0	0.00	566.00
144.0	0.00	0.0	0.0	0.0	0.00	566.00
145.0	0.00	0.0	0.0	0.0	0.00	566.00
146.0	0.00	0.0	0.0	0.0	0.00	566.00
147.0	0.00	0.0	0.0	0.0	0.00	566.00
148.0	0.00	0.0	0.0	0.0	0.00	566.00
149.0	0.00	0.0	0.0	0.0	0.00	566.00
150.0	0.00	0.0	0.0	0.0	0.00	566.00
151.0	0.00	0.0	0.0	0.0	0.00	566.00
152.0	0.00	0.0	0.0	0.0	0.00	566.00
153.0	0.00	0.0	0.0	0.0	0.00	566.00
154.0	0.00	0.0	0.0	0.0	0.00	566.00
155.0	0.00	0.0	0.0	0.0	0.00	566.00
156.0	0.00	0.0	0.0	0.0	0.00	566.00
157.0	0.00	0.0	0.0	0.0	0.00	566.00
158.0	0.00	0.0	0.0	0.0	0.00	566.00
159.0	0.00	0.0	0.0	0.0	0.00	566.00
160.0	0.00	0.0	0.0	0.0	0.00	566.00
161.0	0.00	0.0	0.0	0.0	0.00	566.00
162.0	0.00	0.0	0.0	0.0	0.00	566.00
163.0	0.00	0.0	0.0	0.0	0.00	566.00
164.0	0.00	0.0	0.0	0.0	0.00	566.00
165.0	0.00	0.0	0.0	0.0	0.00	566.00
166.0	0.00	0.0	0.0	0.0	0.00	566.00
167.0	0.00	0.0	0.0	0.0	0.00	566.00
168.0	0.00	0.0	0.0	0.0	0.00	566.00
169.0	0.00	0.0	0.0	0.0	0.00	566.00
170.0	0.00	0.0	0.0	0.0	0.00	566.00
171.0	0.00	0.0	0.0	0.0	0.00	566.00
172.0	0.00	0.0	0.0	0.0	0.00	566.00
173.0	0.00	0.0	0.0	0.0	0.00	566.00
174.0	0.00	0.0	0.0	0.0	0.00	566.00
175.0	0.00	0.0	0.0	0.0	0.00	566.00
176.0	0.00	0.0	0.0	0.0	0.00	566.00
177.0	0.00	0.0	0.0	0.0	0.00	566.00
178.0	0.00	0.0	0.0	0.0	0.00	566.00
179.0	0.00	0.0	0.0	0.0	0.00	566.00
180.0	0.00	0.0	0.0	0.0	0.00	566.00
181.0	0.00	0.0	0.0	0.0	0.00	566.00
182.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	0.0	0.0	0.00	566.00
184.0	0.00	0.0	0.0	0.0	0.00	566.00
185.0	0.00	0.0	0.0	0.0	0.00	566.00
186.0	0.00	0.0	0.0	0.0	0.00	566.00
187.0	0.00	0.0	0.0	0.0	0.00	566.00
188.0	0.00	0.0	0.0	0.0	0.00	566.00
189.0	0.00	0.0	0.0	0.0	0.00	566.00
190.0	0.00	0.0	0.0	0.0	0.00	566.00
191.0	0.00	0.0	0.0	0.0	0.00	566.00
192.0	0.00	0.0	0.0	0.0	0.00	566.00
193.0	0.00	0.0	0.0	0.0	0.00	566.00
194.0	0.00	0.0	0.0	0.0	0.00	566.00
195.0	0.00	0.0	0.0	0.0	0.00	566.00
196.0	0.00	0.0	0.0	0.0	0.00	566.00
197.0	0.00	0.0	0.0	0.0	0.00	566.00
198.0	0.00	0.0	0.0	0.0	0.00	566.00
199.0	0.00	0.0	0.0	0.0	0.00	566.00
200.0	0.00	0.0	0.0	0.0	0.00	566.00
201.0	0.00	0.0	0.0	0.0	0.00	566.00
202.0	0.00	0.0	0.0	0.0	0.00	566.00
203.0	0.00	0.0	0.0	0.0	0.00	566.00
204.0	0.00	0.0	0.0	0.0	0.00	566.00
205.0	0.00	0.0	0.0	0.0	0.00	566.00
206.0	0.00	0.0	0.0	0.0	0.00	566.00
207.0	0.00	0.0	0.0	0.0	0.00	566.00
208.0	0.00	0.0	0.0	0.0	0.00	566.00
209.0	0.00	0.0	0.0	0.0	0.00	566.00
210.0	0.00	0.0	0.0	0.0	0.00	566.00
211.0	0.00	0.0	0.0	0.0	0.00	566.00
212.0	0.00	0.0	0.0	0.0	0.00	566.00
213.0	0.00	0.0	0.0	0.0	0.00	566.00
214.0	0.00	0.0	0.0	0.0	0.00	566.00
215.0	0.00	0.0	0.0	0.0	0.00	566.00
216.0	0.00	0.0	0.0	0.0	0.00	566.00
217.0	0.00	0.0	0.0	0.0	0.00	566.00
218.0	0.00	0.0	0.0	0.0	0.00	566.00
219.0	0.00	0.0	0.0	0.0	0.00	566.00
220.0	0.00	0.0	0.0	0.0	0.00	566.00
221.0	0.00	0.0	0.0	0.0	0.00	566.00
222.0	0.00	0.0	0.0	0.0	0.00	566.00
223.0	0.00	0.0	0.0	0.0	0.00	566.00
224.0	0.00	0.0	0.0	0.0	0.00	566.00
225.0	0.00	0.0	0.0	0.0	0.00	566.00
226.0	0.00	0.0	0.0	0.0	0.00	566.00
227.0	0.00	0.0	0.0	0.0	0.00	566.00
228.0	0.00	0.0	0.0	0.0	0.00	566.00

Inflow File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	0.0	0.0	0.00	566.00
230.0	0.00	0.0	0.0	0.0	0.00	566.00
231.0	0.00	0.0	0.0	0.0	0.00	566.00
232.0	0.00	0.0	0.0	0.0	0.00	566.00
233.0	0.00	0.0	0.0	0.0	0.00	566.00
234.0	0.00	0.0	0.0	0.0	0.00	566.00
235.0	0.00	0.0	0.0	0.0	0.00	566.00
236.0	0.00	0.0	0.0	0.0	0.00	566.00
237.0	0.00	0.0	0.0	0.0	0.00	566.00
238.0	0.00	0.0	0.0	0.0	0.00	566.00
239.0	0.00	0.0	0.0	0.0	0.00	566.00
240.0	0.00	0.0	0.0	0.0	0.00	566.00
241.0	0.00	0.0	0.0	0.0	0.00	566.00
242.0	0.00	0.0	0.0	0.0	0.00	566.00
243.0	0.00	0.0	0.0	0.0	0.00	566.00
244.0	0.00	0.0	0.0	0.0	0.00	566.00
245.0	0.00	0.0	0.0	0.0	0.00	566.00
246.0	0.00	0.0	0.0	0.0	0.00	566.00
247.0	0.00	0.0	0.0	0.0	0.00	566.00
248.0	0.00	0.0	0.0	0.0	0.00	566.00
249.0	0.00	0.0	0.0	0.0	0.00	566.00
250.0	0.00	0.0	0.0	0.0	0.00	566.00
251.0	0.00	0.0	0.0	0.0	0.00	566.00
252.0	0.00	0.0	0.0	0.0	0.00	566.00
253.0	0.00	0.0	0.0	0.0	0.00	566.00
254.0	0.00	0.0	0.0	0.0	0.00	566.00
255.0	0.00	0.0	0.0	0.0	0.00	566.00
256.0	0.00	0.0	0.0	0.0	0.00	566.00
257.0	0.00	0.0	0.0	0.0	0.00	566.00
258.0	0.00	0.0	0.0	0.0	0.00	566.00
259.0	0.00	0.0	0.0	0.0	0.00	566.00
260.0	0.00	0.0	0.0	0.0	0.00	566.00
261.0	0.00	0.0	0.0	0.0	0.00	566.00
262.0	0.00	0.0	0.0	0.0	0.00	566.00
263.0	0.00	0.0	0.0	0.0	0.00	566.00
264.0	0.00	0.0	0.0	0.0	0.00	566.00
265.0	0.00	0.0	0.0	0.0	0.00	566.00
266.0	0.00	0.0	0.0	0.0	0.00	566.00
267.0	0.00	0.0	0.0	0.0	0.00	566.00
268.0	0.00	0.0	0.0	0.0	0.00	566.00
269.0	0.00	0.0	0.0	0.0	0.00	566.00
270.0	0.00	0.0	0.0	0.0	0.00	566.00
271.0	0.00	0.0	0.0	0.0	0.00	566.00
272.0	0.00	0.0	0.0	0.0	0.00	566.00
273.0	0.00	0.0	0.0	0.0	0.00	566.00
274.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN502 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	0.0	0.0	0.00	566.00
276.0	0.00	0.0	0.0	0.0	0.00	566.00
277.0	0.00	0.0	0.0	0.0	0.00	566.00
278.0	0.00	0.0	0.0	0.0	0.00	566.00
279.0	0.00	0.0	0.0	0.0	0.00	566.00
280.0	0.00	0.0	0.0	0.0	0.00	566.00
281.0	0.00	0.0	0.0	0.0	0.00	566.00
282.0	0.00	0.0	0.0	0.0	0.00	566.00
283.0	0.00	0.0	0.0	0.0	0.00	566.00
284.0	0.00	0.0	0.0	0.0	0.00	566.00
285.0	0.00	0.0	0.0	0.0	0.00	566.00
286.0	0.00	0.0	0.0	0.0	0.00	566.00
287.0	0.00	0.0	0.0	0.0	0.00	566.00
288.0	0.00	0.0	0.0	0.0	0.00	566.00
289.0	0.00	0.0	0.0	0.0	0.00	566.00
290.0	0.00	0.0	0.0	0.0	0.00	566.00
291.0	0.00	0.0	0.0	0.0	0.00	566.00
292.0	0.00	0.0	0.0	0.0	0.00	566.00
293.0	0.00	0.0	0.0	0.0	0.00	566.00
294.0	0.00	0.0	0.0	0.0	0.00	566.00
295.0	0.00	0.0	0.0	0.0	0.00	566.00
296.0	0.00	0.0	0.0	0.0	0.00	566.00
297.0	0.00	0.0	0.0	0.0	0.00	566.00
298.0	0.00	0.0	0.0	0.0	0.00	566.00
299.0	0.00	0.0	0.0	0.0	0.00	566.00
300.0	0.00	0.0	0.0	0.0	0.00	566.00
301.0	0.00	0.0	0.0	0.0	0.00	566.00
302.0	0.00	0.0	0.0	0.0	0.00	566.00
303.0	0.00	0.0	0.0	0.0	0.00	566.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5B .PND
Inflow Hydrograph: j:\DATA\0312269\02BASN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN502 .HYD

Starting Pond W.S. Elevation = 566.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 12.82 cfs
Peak Outflow = 6.85 cfs
Peak Elevation = 570.61 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 9,176 cu-ft

Total Storage in Pond = 9,176 cu-ft


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*****
*
* THE VILLAGES @ SPRINGHURST *
* DETENTION BASIN #5 *
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Inflow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5B .PND

----INITIAL CONDITIONS----
 Elevation = 566.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
566.00	0.0	0	0.0	0.0
566.30	0.1	5	0.2	0.3
566.60	0.4	37	1.2	1.6
566.90	0.7	127	4.2	4.9
567.20	1.1	298	9.9	11.0
567.50	1.5	572	19.1	20.6
567.80	2.0	968	32.3	34.3
568.10	2.5	1,508	50.3	52.8
568.40	3.1	2,134	71.1	74.2
568.70	3.7	2,831	94.4	98.1
569.00	4.3	3,603	120.1	124.4
569.30	5.1	4,453	148.4	153.5
569.60	5.5	5,384	179.5	185.0
569.90	6.0	6,402	213.4	219.4
570.20	6.3	7,509	250.3	256.6
570.50	6.7	8,705	290.2	296.9
570.80	7.1	9,996	333.2	340.3
571.10	7.4	11,382	379.4	386.8
571.40	7.7	12,870	429.0	436.7
571.70	8.0	14,461	482.0	490.0
572.00	8.3	16,159	538.6	546.9
572.30	8.6	17,965	598.8	607.4
572.60	8.8	19,880	662.7	671.5
572.90	11.3	21,907	730.2	741.5
573.20	21.0	24,049	801.6	822.6
573.50	34.6	26,308	876.9	911.5
573.80	51.5	28,689	956.3	1007.8
574.10	61.9	31,194	1039.8	1101.7
574.40	70.6	33,821	1127.4	1198.0
574.70	78.2	36,572	1219.1	1297.3
575.00	85.1	39,448	1314.9	1400.0

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	566.00
1.0	2.09	2.1	1.2	2.1	0.44	566.64
2.0	6.27	8.4	7.6	9.6	1.00	567.13
3.0	10.45	16.7	21.0	24.3	1.64	567.58
4.0	14.64	25.1	41.5	46.1	2.32	567.99
5.0	18.82	33.5	68.7	74.9	3.12	568.41
6.0	20.91	39.7	100.5	108.4	3.94	568.82
7.0	20.91	41.8	132.8	142.4	4.79	569.19
8.0	20.91	41.8	163.9	174.6	5.37	569.50
9.0	20.91	41.8	194.1	205.7	5.80	569.78
10.0	20.91	41.8	223.6	235.9	6.13	570.03
11.0	20.91	41.8	252.7	265.5	6.39	570.27
12.0	20.91	41.8	281.1	294.5	6.68	570.48
13.0	20.91	41.8	309.1	323.0	6.94	570.68
14.0	20.91	41.8	336.6	350.9	7.17	570.87
15.0	20.91	41.8	363.7	378.4	7.35	571.05
16.0	20.91	41.8	390.5	405.5	7.51	571.21
17.0	20.91	41.8	417.0	432.3	7.67	571.37
18.0	20.91	41.8	443.1	458.8	7.82	571.52
19.0	20.91	41.8	469.0	485.0	7.97	571.67
20.0	20.91	41.8	494.6	510.8	8.11	571.81
21.0	20.91	41.8	519.9	536.4	8.24	571.94
22.0	18.82	39.7	542.9	559.7	8.36	572.06
23.0	14.64	33.5	559.5	576.4	8.45	572.15
24.0	10.45	25.1	567.6	584.6	8.49	572.19
25.0	6.27	16.7	567.4	584.4	8.49	572.19
26.0	2.09	8.4	558.9	575.7	8.44	572.14
27.0	0.00	2.1	544.2	560.9	8.37	572.07
28.0	0.00	0.0	527.6	544.2	8.29	571.99
29.0	0.00	0.0	511.2	527.6	8.20	571.90
30.0	0.00	0.0	495.0	511.2	8.11	571.81
31.0	0.00	0.0	479.0	495.0	8.03	571.73
32.0	0.00	0.0	463.1	479.0	7.94	571.64
33.0	0.00	0.0	447.4	463.1	7.85	571.55
34.0	0.00	0.0	431.9	447.4	7.76	571.46
35.0	0.00	0.0	416.5	431.9	7.67	571.37
36.0	0.00	0.0	401.4	416.5	7.58	571.28
37.0	0.00	0.0	386.4	401.4	7.49	571.19
38.0	0.00	0.0	371.6	386.4	7.40	571.10
39.0	0.00	0.0	357.0	371.6	7.30	571.00
40.0	0.00	0.0	342.6	357.0	7.21	570.91
41.0	0.00	0.0	328.4	342.6	7.11	570.81
42.0	0.00	0.0	314.4	328.4	6.99	570.72
43.0	0.00	0.0	300.6	314.4	6.86	570.62
44.0	0.00	0.0	287.2	300.6	6.73	570.53

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	274.0	287.2	6.60	570.43
46.0	0.00	0.0	261.0	274.0	6.47	570.33
47.0	0.00	0.0	248.3	261.0	6.34	570.23
48.0	0.00	0.0	235.9	248.3	6.23	570.13
49.0	0.00	0.0	223.6	235.9	6.13	570.03
50.0	0.00	0.0	211.5	223.6	6.03	569.93
51.0	0.00	0.0	199.8	211.5	5.89	569.83
52.0	0.00	0.0	188.3	199.8	5.71	569.73
53.0	0.00	0.0	177.2	188.3	5.55	569.63
54.0	0.00	0.0	166.4	177.2	5.40	569.53
55.0	0.00	0.0	155.9	166.4	5.26	569.42
56.0	0.00	0.0	145.6	155.9	5.13	569.32
57.0	0.00	0.0	135.9	145.6	4.88	569.22
58.0	0.00	0.0	126.6	135.9	4.62	569.12
59.0	0.00	0.0	117.9	126.6	4.36	569.02
60.0	0.00	0.0	109.6	117.9	4.15	568.93
61.0	0.00	0.0	101.7	109.6	3.96	568.83
62.0	0.00	0.0	94.1	101.7	3.78	568.74
63.0	0.00	0.0	86.9	94.1	3.60	568.65
64.0	0.00	0.0	80.1	86.9	3.42	568.56
65.0	0.00	0.0	73.6	80.1	3.25	568.47
66.0	0.00	0.0	67.4	73.6	3.08	568.39
67.0	0.00	0.0	61.6	67.4	2.91	568.30
68.0	0.00	0.0	56.1	61.6	2.75	568.22
69.0	0.00	0.0	50.9	56.1	2.59	568.15
70.0	0.00	0.0	46.0	50.9	2.45	568.07
71.0	0.00	0.0	41.4	46.0	2.32	567.99
72.0	0.00	0.0	37.0	41.4	2.19	567.92
73.0	0.00	0.0	32.9	37.0	2.07	567.84
74.0	0.00	0.0	29.0	32.9	1.95	567.77
75.0	0.00	0.0	25.3	29.0	1.81	567.68
76.0	0.00	0.0	22.0	25.3	1.67	567.60
77.0	0.00	0.0	18.9	22.0	1.55	567.53
78.0	0.00	0.0	16.0	18.9	1.43	567.45
79.0	0.00	0.0	13.4	16.0	1.31	567.36
80.0	0.00	0.0	11.0	13.4	1.20	567.27
81.0	0.00	0.0	8.8	11.0	1.10	567.20
82.0	0.00	0.0	6.9	8.8	0.95	567.09
83.0	0.00	0.0	5.3	6.9	0.83	567.00
84.0	0.00	0.0	3.8	5.3	0.72	566.92
85.0	0.00	0.0	2.6	3.8	0.60	566.80
86.0	0.00	0.0	1.6	2.6	0.49	566.69
87.0	0.00	0.0	0.8	1.6	0.40	566.60
88.0	0.00	0.0	0.4	0.8	0.23	566.43
89.0	0.00	0.0	0.1	0.4	0.13	566.33
90.0	0.00	0.0	0.0	0.1	0.05	566.15

Pond File: j:\DATA\0312269\BASIN5B .PND
 Flow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	0.0	0.0	0.01	566.04
92.0	0.00	0.0	0.0	0.0	0.00	566.01
93.0	0.00	0.0	0.0	0.0	0.00	566.00
94.0	0.00	0.0	0.0	0.0	0.00	566.00
95.0	0.00	0.0	0.0	0.0	0.00	566.00
96.0	0.00	0.0	0.0	0.0	0.00	566.00
97.0	0.00	0.0	0.0	0.0	0.00	566.00
98.0	0.00	0.0	0.0	0.0	0.00	566.00
99.0	0.00	0.0	0.0	0.0	0.00	566.00
100.0	0.00	0.0	0.0	0.0	0.00	566.00
101.0	0.00	0.0	0.0	0.0	0.00	566.00
102.0	0.00	0.0	0.0	0.0	0.00	566.00
103.0	0.00	0.0	0.0	0.0	0.00	566.00
104.0	0.00	0.0	0.0	0.0	0.00	566.00
105.0	0.00	0.0	0.0	0.0	0.00	566.00
106.0	0.00	0.0	0.0	0.0	0.00	566.00
107.0	0.00	0.0	0.0	0.0	0.00	566.00
108.0	0.00	0.0	0.0	0.0	0.00	566.00
109.0	0.00	0.0	0.0	0.0	0.00	566.00
110.0	0.00	0.0	0.0	0.0	0.00	566.00
111.0	0.00	0.0	0.0	0.0	0.00	566.00
112.0	0.00	0.0	0.0	0.0	0.00	566.00
113.0	0.00	0.0	0.0	0.0	0.00	566.00
114.0	0.00	0.0	0.0	0.0	0.00	566.00
115.0	0.00	0.0	0.0	0.0	0.00	566.00
116.0	0.00	0.0	0.0	0.0	0.00	566.00
117.0	0.00	0.0	0.0	0.0	0.00	566.00
118.0	0.00	0.0	0.0	0.0	0.00	566.00
119.0	0.00	0.0	0.0	0.0	0.00	566.00
120.0	0.00	0.0	0.0	0.0	0.00	566.00
121.0	0.00	0.0	0.0	0.0	0.00	566.00
122.0	0.00	0.0	0.0	0.0	0.00	566.00
123.0	0.00	0.0	0.0	0.0	0.00	566.00
124.0	0.00	0.0	0.0	0.0	0.00	566.00
125.0	0.00	0.0	0.0	0.0	0.00	566.00
126.0	0.00	0.0	0.0	0.0	0.00	566.00
127.0	0.00	0.0	0.0	0.0	0.00	566.00
128.0	0.00	0.0	0.0	0.0	0.00	566.00
129.0	0.00	0.0	0.0	0.0	0.00	566.00
130.0	0.00	0.0	0.0	0.0	0.00	566.00
131.0	0.00	0.0	0.0	0.0	0.00	566.00
132.0	0.00	0.0	0.0	0.0	0.00	566.00
133.0	0.00	0.0	0.0	0.0	0.00	566.00
134.0	0.00	0.0	0.0	0.0	0.00	566.00
135.0	0.00	0.0	0.0	0.0	0.00	566.00
136.0	0.00	0.0	0.0	0.0	0.00	566.00

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	0.0	0.0	0.00	566.00
138.0	0.00	0.0	0.0	0.0	0.00	566.00
139.0	0.00	0.0	0.0	0.0	0.00	566.00
140.0	0.00	0.0	0.0	0.0	0.00	566.00
141.0	0.00	0.0	0.0	0.0	0.00	566.00
142.0	0.00	0.0	0.0	0.0	0.00	566.00
143.0	0.00	0.0	0.0	0.0	0.00	566.00
144.0	0.00	0.0	0.0	0.0	0.00	566.00
145.0	0.00	0.0	0.0	0.0	0.00	566.00
146.0	0.00	0.0	0.0	0.0	0.00	566.00
147.0	0.00	0.0	0.0	0.0	0.00	566.00
148.0	0.00	0.0	0.0	0.0	0.00	566.00
149.0	0.00	0.0	0.0	0.0	0.00	566.00
150.0	0.00	0.0	0.0	0.0	0.00	566.00
151.0	0.00	0.0	0.0	0.0	0.00	566.00
152.0	0.00	0.0	0.0	0.0	0.00	566.00
153.0	0.00	0.0	0.0	0.0	0.00	566.00
154.0	0.00	0.0	0.0	0.0	0.00	566.00
155.0	0.00	0.0	0.0	0.0	0.00	566.00
156.0	0.00	0.0	0.0	0.0	0.00	566.00
157.0	0.00	0.0	0.0	0.0	0.00	566.00
158.0	0.00	0.0	0.0	0.0	0.00	566.00
159.0	0.00	0.0	0.0	0.0	0.00	566.00
160.0	0.00	0.0	0.0	0.0	0.00	566.00
161.0	0.00	0.0	0.0	0.0	0.00	566.00
162.0	0.00	0.0	0.0	0.0	0.00	566.00
163.0	0.00	0.0	0.0	0.0	0.00	566.00
164.0	0.00	0.0	0.0	0.0	0.00	566.00
165.0	0.00	0.0	0.0	0.0	0.00	566.00
166.0	0.00	0.0	0.0	0.0	0.00	566.00
167.0	0.00	0.0	0.0	0.0	0.00	566.00
168.0	0.00	0.0	0.0	0.0	0.00	566.00
169.0	0.00	0.0	0.0	0.0	0.00	566.00
170.0	0.00	0.0	0.0	0.0	0.00	566.00
171.0	0.00	0.0	0.0	0.0	0.00	566.00
172.0	0.00	0.0	0.0	0.0	0.00	566.00
173.0	0.00	0.0	0.0	0.0	0.00	566.00
174.0	0.00	0.0	0.0	0.0	0.00	566.00
175.0	0.00	0.0	0.0	0.0	0.00	566.00
176.0	0.00	0.0	0.0	0.0	0.00	566.00
177.0	0.00	0.0	0.0	0.0	0.00	566.00
178.0	0.00	0.0	0.0	0.0	0.00	566.00
179.0	0.00	0.0	0.0	0.0	0.00	566.00
180.0	0.00	0.0	0.0	0.0	0.00	566.00
181.0	0.00	0.0	0.0	0.0	0.00	566.00
182.0	0.00	0.0	0.0	0.0	0.00	566.00

Input File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	0.0	0.0	0.00	566.00
184.0	0.00	0.0	0.0	0.0	0.00	566.00
185.0	0.00	0.0	0.0	0.0	0.00	566.00
186.0	0.00	0.0	0.0	0.0	0.00	566.00
187.0	0.00	0.0	0.0	0.0	0.00	566.00
188.0	0.00	0.0	0.0	0.0	0.00	566.00
189.0	0.00	0.0	0.0	0.0	0.00	566.00
190.0	0.00	0.0	0.0	0.0	0.00	566.00
191.0	0.00	0.0	0.0	0.0	0.00	566.00
192.0	0.00	0.0	0.0	0.0	0.00	566.00
193.0	0.00	0.0	0.0	0.0	0.00	566.00
194.0	0.00	0.0	0.0	0.0	0.00	566.00
195.0	0.00	0.0	0.0	0.0	0.00	566.00
196.0	0.00	0.0	0.0	0.0	0.00	566.00
197.0	0.00	0.0	0.0	0.0	0.00	566.00
198.0	0.00	0.0	0.0	0.0	0.00	566.00
199.0	0.00	0.0	0.0	0.0	0.00	566.00
200.0	0.00	0.0	0.0	0.0	0.00	566.00
201.0	0.00	0.0	0.0	0.0	0.00	566.00
202.0	0.00	0.0	0.0	0.0	0.00	566.00
203.0	0.00	0.0	0.0	0.0	0.00	566.00
204.0	0.00	0.0	0.0	0.0	0.00	566.00
205.0	0.00	0.0	0.0	0.0	0.00	566.00
206.0	0.00	0.0	0.0	0.0	0.00	566.00
207.0	0.00	0.0	0.0	0.0	0.00	566.00
208.0	0.00	0.0	0.0	0.0	0.00	566.00
209.0	0.00	0.0	0.0	0.0	0.00	566.00
210.0	0.00	0.0	0.0	0.0	0.00	566.00
211.0	0.00	0.0	0.0	0.0	0.00	566.00
212.0	0.00	0.0	0.0	0.0	0.00	566.00
213.0	0.00	0.0	0.0	0.0	0.00	566.00
214.0	0.00	0.0	0.0	0.0	0.00	566.00
215.0	0.00	0.0	0.0	0.0	0.00	566.00
216.0	0.00	0.0	0.0	0.0	0.00	566.00
217.0	0.00	0.0	0.0	0.0	0.00	566.00
218.0	0.00	0.0	0.0	0.0	0.00	566.00
219.0	0.00	0.0	0.0	0.0	0.00	566.00
220.0	0.00	0.0	0.0	0.0	0.00	566.00
221.0	0.00	0.0	0.0	0.0	0.00	566.00
222.0	0.00	0.0	0.0	0.0	0.00	566.00
223.0	0.00	0.0	0.0	0.0	0.00	566.00
224.0	0.00	0.0	0.0	0.0	0.00	566.00
225.0	0.00	0.0	0.0	0.0	0.00	566.00
226.0	0.00	0.0	0.0	0.0	0.00	566.00
227.0	0.00	0.0	0.0	0.0	0.00	566.00
228.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Flow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	0.0	0.0	0.00	566.00
230.0	0.00	0.0	0.0	0.0	0.00	566.00
231.0	0.00	0.0	0.0	0.0	0.00	566.00
232.0	0.00	0.0	0.0	0.0	0.00	566.00
233.0	0.00	0.0	0.0	0.0	0.00	566.00
234.0	0.00	0.0	0.0	0.0	0.00	566.00
235.0	0.00	0.0	0.0	0.0	0.00	566.00
236.0	0.00	0.0	0.0	0.0	0.00	566.00
237.0	0.00	0.0	0.0	0.0	0.00	566.00
238.0	0.00	0.0	0.0	0.0	0.00	566.00
239.0	0.00	0.0	0.0	0.0	0.00	566.00
240.0	0.00	0.0	0.0	0.0	0.00	566.00
241.0	0.00	0.0	0.0	0.0	0.00	566.00
242.0	0.00	0.0	0.0	0.0	0.00	566.00
243.0	0.00	0.0	0.0	0.0	0.00	566.00
244.0	0.00	0.0	0.0	0.0	0.00	566.00
245.0	0.00	0.0	0.0	0.0	0.00	566.00
246.0	0.00	0.0	0.0	0.0	0.00	566.00
247.0	0.00	0.0	0.0	0.0	0.00	566.00
248.0	0.00	0.0	0.0	0.0	0.00	566.00
249.0	0.00	0.0	0.0	0.0	0.00	566.00
250.0	0.00	0.0	0.0	0.0	0.00	566.00
251.0	0.00	0.0	0.0	0.0	0.00	566.00
252.0	0.00	0.0	0.0	0.0	0.00	566.00
253.0	0.00	0.0	0.0	0.0	0.00	566.00
254.0	0.00	0.0	0.0	0.0	0.00	566.00
255.0	0.00	0.0	0.0	0.0	0.00	566.00
256.0	0.00	0.0	0.0	0.0	0.00	566.00
257.0	0.00	0.0	0.0	0.0	0.00	566.00
258.0	0.00	0.0	0.0	0.0	0.00	566.00
259.0	0.00	0.0	0.0	0.0	0.00	566.00
260.0	0.00	0.0	0.0	0.0	0.00	566.00
261.0	0.00	0.0	0.0	0.0	0.00	566.00
262.0	0.00	0.0	0.0	0.0	0.00	566.00
263.0	0.00	0.0	0.0	0.0	0.00	566.00
264.0	0.00	0.0	0.0	0.0	0.00	566.00
265.0	0.00	0.0	0.0	0.0	0.00	566.00
266.0	0.00	0.0	0.0	0.0	0.00	566.00
267.0	0.00	0.0	0.0	0.0	0.00	566.00
268.0	0.00	0.0	0.0	0.0	0.00	566.00
269.0	0.00	0.0	0.0	0.0	0.00	566.00
270.0	0.00	0.0	0.0	0.0	0.00	566.00
271.0	0.00	0.0	0.0	0.0	0.00	566.00
272.0	0.00	0.0	0.0	0.0	0.00	566.00
273.0	0.00	0.0	0.0	0.0	0.00	566.00
274.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN515 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	0.0	0.0	0.00	566.00
276.0	0.00	0.0	0.0	0.0	0.00	566.00
277.0	0.00	0.0	0.0	0.0	0.00	566.00
278.0	0.00	0.0	0.0	0.0	0.00	566.00
279.0	0.00	0.0	0.0	0.0	0.00	566.00
280.0	0.00	0.0	0.0	0.0	0.00	566.00
281.0	0.00	0.0	0.0	0.0	0.00	566.00
282.0	0.00	0.0	0.0	0.0	0.00	566.00
283.0	0.00	0.0	0.0	0.0	0.00	566.00
284.0	0.00	0.0	0.0	0.0	0.00	566.00
285.0	0.00	0.0	0.0	0.0	0.00	566.00
286.0	0.00	0.0	0.0	0.0	0.00	566.00
287.0	0.00	0.0	0.0	0.0	0.00	566.00
288.0	0.00	0.0	0.0	0.0	0.00	566.00
289.0	0.00	0.0	0.0	0.0	0.00	566.00
290.0	0.00	0.0	0.0	0.0	0.00	566.00
291.0	0.00	0.0	0.0	0.0	0.00	566.00
292.0	0.00	0.0	0.0	0.0	0.00	566.00
293.0	0.00	0.0	0.0	0.0	0.00	566.00
294.0	0.00	0.0	0.0	0.0	0.00	566.00
295.0	0.00	0.0	0.0	0.0	0.00	566.00
296.0	0.00	0.0	0.0	0.0	0.00	566.00
297.0	0.00	0.0	0.0	0.0	0.00	566.00
298.0	0.00	0.0	0.0	0.0	0.00	566.00
299.0	0.00	0.0	0.0	0.0	0.00	566.00
300.0	0.00	0.0	0.0	0.0	0.00	566.00
301.0	0.00	0.0	0.0	0.0	0.00	566.00
302.0	0.00	0.0	0.0	0.0	0.00	566.00
303.0	0.00	0.0	0.0	0.0	0.00	566.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5B .PND
Inflow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN515 .HYD

Starting Pond W.S. Elevation = 566.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 20.91 cfs
Peak Outflow = 8.49 cfs
Peak Elevation = 572.19 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 17,284 cu-ft

Total Storage in Pond = 17,284 cu-ft

 *
 * THE VILLAGES @ SPRINGHURST *
 * DETENTION BASIN #5 *
 *
 *
 *

Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5B .PND

----INITIAL CONDITIONS----

Elevation = 566.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
566.00	0.0	0	0.0	0.0
566.30	0.1	5	0.2	0.3
566.60	0.4	37	1.2	1.6
566.90	0.7	127	4.2	4.9
567.20	1.1	298	9.9	11.0
567.50	1.5	572	19.1	20.6
567.80	2.0	968	32.3	34.3
568.10	2.5	1,508	50.3	52.8
568.40	3.1	2,134	71.1	74.2
568.70	3.7	2,831	94.4	98.1
569.00	4.3	3,603	120.1	124.4
569.30	5.1	4,453	148.4	153.5
569.60	5.5	5,384	179.5	185.0
569.90	6.0	6,402	213.4	219.4
570.20	6.3	7,509	250.3	256.6
570.50	6.7	8,705	290.2	296.9
570.80	7.1	9,996	333.2	340.3
571.10	7.4	11,382	379.4	386.8
571.40	7.7	12,870	429.0	436.7
571.70	8.0	14,461	482.0	490.0
572.00	8.3	16,159	538.6	546.9
572.30	8.6	17,965	598.8	607.4
572.60	8.8	19,880	662.7	671.5
572.90	11.3	21,907	730.2	741.5
573.20	21.0	24,049	801.6	822.6
573.50	34.6	26,308	876.9	911.5
573.80	51.5	28,689	956.3	1007.8
574.10	61.9	31,194	1039.8	1101.7
574.40	70.6	33,821	1127.4	1198.0
574.70	78.2	36,572	1219.1	1297.3
575.00	85.1	39,448	1314.9	1400.0

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN5B .PND
 flow Hydrograph: j:\DATA\0312269\25BASN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	566.00
1.0	2.58	2.6	1.6	2.6	0.49	566.69
2.0	7.74	10.3	9.7	11.9	1.14	567.23
3.0	12.90	20.6	26.6	30.3	1.85	567.71
4.0	18.05	31.0	52.3	57.5	2.63	568.17
5.0	23.21	41.3	86.4	93.5	3.59	568.64
6.0	25.79	49.0	126.2	135.4	4.60	569.11
7.0	25.79	51.6	166.9	177.7	5.41	569.53
8.0	25.79	51.6	206.5	218.5	5.99	569.89
9.0	25.79	51.6	245.5	258.1	6.31	570.21
10.0	25.79	51.6	283.7	297.1	6.70	570.50
11.0	25.79	51.6	321.1	335.2	7.05	570.77
12.0	25.79	51.6	358.1	372.7	7.31	571.01
13.0	25.79	51.6	394.6	409.7	7.54	571.24
14.0	25.79	51.6	430.7	446.2	7.75	571.45
15.0	25.79	51.6	466.3	482.2	7.96	571.66
16.0	25.79	51.6	501.6	517.9	8.15	571.85
17.0	25.79	51.6	536.5	553.2	8.33	572.03
18.0	25.79	51.6	571.1	588.1	8.50	572.20
19.0	25.79	51.6	605.4	622.7	8.65	572.37
20.0	25.79	51.6	639.5	657.0	8.75	572.53
21.0	25.79	51.6	672.0	691.0	9.50	572.68
22.0	23.21	49.0	699.9	721.0	10.57	572.81
23.0	18.05	41.3	718.6	741.2	11.29	572.90
24.0	12.90	31.0	725.0	749.5	12.26	572.93
25.0	7.74	20.6	722.1	745.7	11.79	572.92
26.0	2.58	10.3	710.5	732.4	10.97	572.86
27.0	0.00	2.6	692.5	713.0	10.28	572.78
28.0	0.00	0.0	673.4	692.5	9.55	572.69
29.0	0.00	0.0	655.6	673.4	8.87	572.61
30.0	0.00	0.0	638.1	655.6	8.75	572.53
31.0	0.00	0.0	620.7	638.1	8.70	572.44
32.0	0.00	0.0	603.5	620.7	8.64	572.36
33.0	0.00	0.0	586.3	603.5	8.58	572.28
34.0	0.00	0.0	569.3	586.3	8.50	572.20
35.0	0.00	0.0	552.5	569.3	8.41	572.11
36.0	0.00	0.0	535.8	552.5	8.33	572.03
37.0	0.00	0.0	519.3	535.8	8.24	571.94
38.0	0.00	0.0	503.0	519.3	8.15	571.85
39.0	0.00	0.0	486.9	503.0	8.07	571.77
40.0	0.00	0.0	470.9	486.9	7.98	571.68
41.0	0.00	0.0	455.1	470.9	7.89	571.59
42.0	0.00	0.0	439.5	455.1	7.80	571.50
43.0	0.00	0.0	424.1	439.5	7.72	571.42
44.0	0.00	0.0	408.9	424.1	7.62	571.32

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	393.8	408.9	7.53	571.23
46.0	0.00	0.0	378.9	393.8	7.44	571.14
47.0	0.00	0.0	364.2	378.9	7.35	571.05
48.0	0.00	0.0	349.7	364.2	7.25	570.95
49.0	0.00	0.0	335.4	349.7	7.16	570.86
50.0	0.00	0.0	321.3	335.4	7.05	570.77
51.0	0.00	0.0	307.4	321.3	6.92	570.67
52.0	0.00	0.0	293.8	307.4	6.80	570.57
53.0	0.00	0.0	280.5	293.8	6.67	570.48
54.0	0.00	0.0	267.4	280.5	6.54	570.38
55.0	0.00	0.0	254.6	267.4	6.41	570.28
56.0	0.00	0.0	242.0	254.6	6.28	570.18
57.0	0.00	0.0	229.7	242.0	6.18	570.08
58.0	0.00	0.0	217.5	229.7	6.08	569.98
59.0	0.00	0.0	205.6	217.5	5.97	569.88
60.0	0.00	0.0	194.0	205.6	5.80	569.78
61.0	0.00	0.0	182.7	194.0	5.63	569.68
62.0	0.00	0.0	171.8	182.7	5.47	569.58
63.0	0.00	0.0	161.1	171.8	5.33	569.47
64.0	0.00	0.0	150.7	161.1	5.20	569.37
65.0	0.00	0.0	140.7	150.7	5.02	569.27
66.0	0.00	0.0	131.2	140.7	4.75	569.17
67.0	0.00	0.0	122.2	131.2	4.49	569.07
68.0	0.00	0.0	113.7	122.2	4.25	568.97
69.0	0.00	0.0	105.6	113.7	4.06	568.88
70.0	0.00	0.0	97.8	105.6	3.87	568.79
71.0	0.00	0.0	90.5	97.8	3.69	568.70
72.0	0.00	0.0	83.4	90.5	3.51	568.60
73.0	0.00	0.0	76.8	83.4	3.33	568.52
74.0	0.00	0.0	70.4	76.8	3.16	568.43
75.0	0.00	0.0	64.5	70.4	2.99	568.35
76.0	0.00	0.0	58.8	64.5	2.83	568.26
77.0	0.00	0.0	53.5	58.8	2.67	568.18
78.0	0.00	0.0	48.4	53.5	2.52	568.11
79.0	0.00	0.0	43.7	48.4	2.38	568.03
80.0	0.00	0.0	39.2	43.7	2.25	567.95
81.0	0.00	0.0	34.9	39.2	2.13	567.88
82.0	0.00	0.0	30.9	34.9	2.02	567.81
83.0	0.00	0.0	27.1	30.9	1.88	567.73
84.0	0.00	0.0	23.6	27.1	1.74	567.64
85.0	0.00	0.0	20.4	23.6	1.61	567.57
86.0	0.00	0.0	17.4	20.4	1.49	567.50
87.0	0.00	0.0	14.7	17.4	1.37	567.40
88.0	0.00	0.0	12.2	14.7	1.25	567.31
89.0	0.00	0.0	9.9	12.2	1.15	567.24
90.0	0.00	0.0	7.8	9.9	1.02	567.14

Pond File: j:\DATA\0312269\BASIN5B .PND
 flow Hydrograph: j:\DATA\0312269\25BASN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	6.1	7.8	0.89	567.04
92.0	0.00	0.0	4.5	6.1	0.77	566.96
93.0	0.00	0.0	3.2	4.5	0.66	566.86
94.0	0.00	0.0	2.1	3.2	0.54	566.74
95.0	0.00	0.0	1.2	2.1	0.44	566.64
96.0	0.00	0.0	0.6	1.2	0.31	566.51
97.0	0.00	0.0	0.3	0.6	0.17	566.37
98.0	0.00	0.0	0.1	0.3	0.10	566.29
99.0	0.00	0.0	0.0	0.1	0.02	566.07
100.0	0.00	0.0	0.0	0.0	0.01	566.02
101.0	0.00	0.0	0.0	0.0	0.00	566.00
102.0	0.00	0.0	0.0	0.0	0.00	566.00
103.0	0.00	0.0	0.0	0.0	0.00	566.00
104.0	0.00	0.0	0.0	0.0	0.00	566.00
105.0	0.00	0.0	0.0	0.0	0.00	566.00
106.0	0.00	0.0	0.0	0.0	0.00	566.00
107.0	0.00	0.0	0.0	0.0	0.00	566.00
108.0	0.00	0.0	0.0	0.0	0.00	566.00
109.0	0.00	0.0	0.0	0.0	0.00	566.00
110.0	0.00	0.0	0.0	0.0	0.00	566.00
111.0	0.00	0.0	0.0	0.0	0.00	566.00
112.0	0.00	0.0	0.0	0.0	0.00	566.00
113.0	0.00	0.0	0.0	0.0	0.00	566.00
114.0	0.00	0.0	0.0	0.0	0.00	566.00
115.0	0.00	0.0	0.0	0.0	0.00	566.00
116.0	0.00	0.0	0.0	0.0	0.00	566.00
117.0	0.00	0.0	0.0	0.0	0.00	566.00
118.0	0.00	0.0	0.0	0.0	0.00	566.00
119.0	0.00	0.0	0.0	0.0	0.00	566.00
120.0	0.00	0.0	0.0	0.0	0.00	566.00
121.0	0.00	0.0	0.0	0.0	0.00	566.00
122.0	0.00	0.0	0.0	0.0	0.00	566.00
123.0	0.00	0.0	0.0	0.0	0.00	566.00
124.0	0.00	0.0	0.0	0.0	0.00	566.00
125.0	0.00	0.0	0.0	0.0	0.00	566.00
126.0	0.00	0.0	0.0	0.0	0.00	566.00
127.0	0.00	0.0	0.0	0.0	0.00	566.00
128.0	0.00	0.0	0.0	0.0	0.00	566.00
129.0	0.00	0.0	0.0	0.0	0.00	566.00
130.0	0.00	0.0	0.0	0.0	0.00	566.00
131.0	0.00	0.0	0.0	0.0	0.00	566.00
132.0	0.00	0.0	0.0	0.0	0.00	566.00
133.0	0.00	0.0	0.0	0.0	0.00	566.00
134.0	0.00	0.0	0.0	0.0	0.00	566.00
135.0	0.00	0.0	0.0	0.0	0.00	566.00
136.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 flow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	0.0	0.0	0.00	566.00
138.0	0.00	0.0	0.0	0.0	0.00	566.00
139.0	0.00	0.0	0.0	0.0	0.00	566.00
140.0	0.00	0.0	0.0	0.0	0.00	566.00
141.0	0.00	0.0	0.0	0.0	0.00	566.00
142.0	0.00	0.0	0.0	0.0	0.00	566.00
143.0	0.00	0.0	0.0	0.0	0.00	566.00
144.0	0.00	0.0	0.0	0.0	0.00	566.00
145.0	0.00	0.0	0.0	0.0	0.00	566.00
146.0	0.00	0.0	0.0	0.0	0.00	566.00
147.0	0.00	0.0	0.0	0.0	0.00	566.00
148.0	0.00	0.0	0.0	0.0	0.00	566.00
149.0	0.00	0.0	0.0	0.0	0.00	566.00
150.0	0.00	0.0	0.0	0.0	0.00	566.00
151.0	0.00	0.0	0.0	0.0	0.00	566.00
152.0	0.00	0.0	0.0	0.0	0.00	566.00
153.0	0.00	0.0	0.0	0.0	0.00	566.00
154.0	0.00	0.0	0.0	0.0	0.00	566.00
155.0	0.00	0.0	0.0	0.0	0.00	566.00
156.0	0.00	0.0	0.0	0.0	0.00	566.00
157.0	0.00	0.0	0.0	0.0	0.00	566.00
158.0	0.00	0.0	0.0	0.0	0.00	566.00
159.0	0.00	0.0	0.0	0.0	0.00	566.00
160.0	0.00	0.0	0.0	0.0	0.00	566.00
161.0	0.00	0.0	0.0	0.0	0.00	566.00
162.0	0.00	0.0	0.0	0.0	0.00	566.00
163.0	0.00	0.0	0.0	0.0	0.00	566.00
164.0	0.00	0.0	0.0	0.0	0.00	566.00
165.0	0.00	0.0	0.0	0.0	0.00	566.00
166.0	0.00	0.0	0.0	0.0	0.00	566.00
167.0	0.00	0.0	0.0	0.0	0.00	566.00
168.0	0.00	0.0	0.0	0.0	0.00	566.00
169.0	0.00	0.0	0.0	0.0	0.00	566.00
170.0	0.00	0.0	0.0	0.0	0.00	566.00
171.0	0.00	0.0	0.0	0.0	0.00	566.00
172.0	0.00	0.0	0.0	0.0	0.00	566.00
173.0	0.00	0.0	0.0	0.0	0.00	566.00
174.0	0.00	0.0	0.0	0.0	0.00	566.00
175.0	0.00	0.0	0.0	0.0	0.00	566.00
176.0	0.00	0.0	0.0	0.0	0.00	566.00
177.0	0.00	0.0	0.0	0.0	0.00	566.00
178.0	0.00	0.0	0.0	0.0	0.00	566.00
179.0	0.00	0.0	0.0	0.0	0.00	566.00
180.0	0.00	0.0	0.0	0.0	0.00	566.00
181.0	0.00	0.0	0.0	0.0	0.00	566.00
182.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	0.0	0.0	0.00	566.00
184.0	0.00	0.0	0.0	0.0	0.00	566.00
185.0	0.00	0.0	0.0	0.0	0.00	566.00
186.0	0.00	0.0	0.0	0.0	0.00	566.00
187.0	0.00	0.0	0.0	0.0	0.00	566.00
188.0	0.00	0.0	0.0	0.0	0.00	566.00
189.0	0.00	0.0	0.0	0.0	0.00	566.00
190.0	0.00	0.0	0.0	0.0	0.00	566.00
191.0	0.00	0.0	0.0	0.0	0.00	566.00
192.0	0.00	0.0	0.0	0.0	0.00	566.00
193.0	0.00	0.0	0.0	0.0	0.00	566.00
194.0	0.00	0.0	0.0	0.0	0.00	566.00
195.0	0.00	0.0	0.0	0.0	0.00	566.00
196.0	0.00	0.0	0.0	0.0	0.00	566.00
197.0	0.00	0.0	0.0	0.0	0.00	566.00
198.0	0.00	0.0	0.0	0.0	0.00	566.00
199.0	0.00	0.0	0.0	0.0	0.00	566.00
200.0	0.00	0.0	0.0	0.0	0.00	566.00
201.0	0.00	0.0	0.0	0.0	0.00	566.00
202.0	0.00	0.0	0.0	0.0	0.00	566.00
203.0	0.00	0.0	0.0	0.0	0.00	566.00
204.0	0.00	0.0	0.0	0.0	0.00	566.00
205.0	0.00	0.0	0.0	0.0	0.00	566.00
206.0	0.00	0.0	0.0	0.0	0.00	566.00
207.0	0.00	0.0	0.0	0.0	0.00	566.00
208.0	0.00	0.0	0.0	0.0	0.00	566.00
209.0	0.00	0.0	0.0	0.0	0.00	566.00
210.0	0.00	0.0	0.0	0.0	0.00	566.00
211.0	0.00	0.0	0.0	0.0	0.00	566.00
212.0	0.00	0.0	0.0	0.0	0.00	566.00
213.0	0.00	0.0	0.0	0.0	0.00	566.00
214.0	0.00	0.0	0.0	0.0	0.00	566.00
215.0	0.00	0.0	0.0	0.0	0.00	566.00
216.0	0.00	0.0	0.0	0.0	0.00	566.00
217.0	0.00	0.0	0.0	0.0	0.00	566.00
218.0	0.00	0.0	0.0	0.0	0.00	566.00
219.0	0.00	0.0	0.0	0.0	0.00	566.00
220.0	0.00	0.0	0.0	0.0	0.00	566.00
221.0	0.00	0.0	0.0	0.0	0.00	566.00
222.0	0.00	0.0	0.0	0.0	0.00	566.00
223.0	0.00	0.0	0.0	0.0	0.00	566.00
224.0	0.00	0.0	0.0	0.0	0.00	566.00
225.0	0.00	0.0	0.0	0.0	0.00	566.00
226.0	0.00	0.0	0.0	0.0	0.00	566.00
227.0	0.00	0.0	0.0	0.0	0.00	566.00
228.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	0.0	0.0	0.00	566.00
230.0	0.00	0.0	0.0	0.0	0.00	566.00
231.0	0.00	0.0	0.0	0.0	0.00	566.00
232.0	0.00	0.0	0.0	0.0	0.00	566.00
233.0	0.00	0.0	0.0	0.0	0.00	566.00
234.0	0.00	0.0	0.0	0.0	0.00	566.00
235.0	0.00	0.0	0.0	0.0	0.00	566.00
236.0	0.00	0.0	0.0	0.0	0.00	566.00
237.0	0.00	0.0	0.0	0.0	0.00	566.00
238.0	0.00	0.0	0.0	0.0	0.00	566.00
239.0	0.00	0.0	0.0	0.0	0.00	566.00
240.0	0.00	0.0	0.0	0.0	0.00	566.00
241.0	0.00	0.0	0.0	0.0	0.00	566.00
242.0	0.00	0.0	0.0	0.0	0.00	566.00
243.0	0.00	0.0	0.0	0.0	0.00	566.00
244.0	0.00	0.0	0.0	0.0	0.00	566.00
245.0	0.00	0.0	0.0	0.0	0.00	566.00
246.0	0.00	0.0	0.0	0.0	0.00	566.00
247.0	0.00	0.0	0.0	0.0	0.00	566.00
248.0	0.00	0.0	0.0	0.0	0.00	566.00
249.0	0.00	0.0	0.0	0.0	0.00	566.00
250.0	0.00	0.0	0.0	0.0	0.00	566.00
251.0	0.00	0.0	0.0	0.0	0.00	566.00
252.0	0.00	0.0	0.0	0.0	0.00	566.00
253.0	0.00	0.0	0.0	0.0	0.00	566.00
254.0	0.00	0.0	0.0	0.0	0.00	566.00
255.0	0.00	0.0	0.0	0.0	0.00	566.00
256.0	0.00	0.0	0.0	0.0	0.00	566.00
257.0	0.00	0.0	0.0	0.0	0.00	566.00
258.0	0.00	0.0	0.0	0.0	0.00	566.00
259.0	0.00	0.0	0.0	0.0	0.00	566.00
260.0	0.00	0.0	0.0	0.0	0.00	566.00
261.0	0.00	0.0	0.0	0.0	0.00	566.00
262.0	0.00	0.0	0.0	0.0	0.00	566.00
263.0	0.00	0.0	0.0	0.0	0.00	566.00
264.0	0.00	0.0	0.0	0.0	0.00	566.00
265.0	0.00	0.0	0.0	0.0	0.00	566.00
266.0	0.00	0.0	0.0	0.0	0.00	566.00
267.0	0.00	0.0	0.0	0.0	0.00	566.00
268.0	0.00	0.0	0.0	0.0	0.00	566.00
269.0	0.00	0.0	0.0	0.0	0.00	566.00
270.0	0.00	0.0	0.0	0.0	0.00	566.00
271.0	0.00	0.0	0.0	0.0	0.00	566.00
272.0	0.00	0.0	0.0	0.0	0.00	566.00
273.0	0.00	0.0	0.0	0.0	0.00	566.00
274.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 flow Hydrograph: j:\DATA\0312269\25BASN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN525 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	0.0	0.0	0.00	566.00
276.0	0.00	0.0	0.0	0.0	0.00	566.00
277.0	0.00	0.0	0.0	0.0	0.00	566.00
278.0	0.00	0.0	0.0	0.0	0.00	566.00
279.0	0.00	0.0	0.0	0.0	0.00	566.00
280.0	0.00	0.0	0.0	0.0	0.00	566.00
281.0	0.00	0.0	0.0	0.0	0.00	566.00
282.0	0.00	0.0	0.0	0.0	0.00	566.00
283.0	0.00	0.0	0.0	0.0	0.00	566.00
284.0	0.00	0.0	0.0	0.0	0.00	566.00
285.0	0.00	0.0	0.0	0.0	0.00	566.00
286.0	0.00	0.0	0.0	0.0	0.00	566.00
287.0	0.00	0.0	0.0	0.0	0.00	566.00
288.0	0.00	0.0	0.0	0.0	0.00	566.00
289.0	0.00	0.0	0.0	0.0	0.00	566.00
290.0	0.00	0.0	0.0	0.0	0.00	566.00
291.0	0.00	0.0	0.0	0.0	0.00	566.00
292.0	0.00	0.0	0.0	0.0	0.00	566.00
293.0	0.00	0.0	0.0	0.0	0.00	566.00
294.0	0.00	0.0	0.0	0.0	0.00	566.00
295.0	0.00	0.0	0.0	0.0	0.00	566.00
296.0	0.00	0.0	0.0	0.0	0.00	566.00
297.0	0.00	0.0	0.0	0.0	0.00	566.00
298.0	0.00	0.0	0.0	0.0	0.00	566.00
299.0	0.00	0.0	0.0	0.0	0.00	566.00
300.0	0.00	0.0	0.0	0.0	0.00	566.00
301.0	0.00	0.0	0.0	0.0	0.00	566.00
302.0	0.00	0.0	0.0	0.0	0.00	566.00
303.0	0.00	0.0	0.0	0.0	0.00	566.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5B .PND
Inflow Hydrograph: j:\DATA\0312269\25BASN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BASN525 .HYD

Starting Pond W.S. Elevation = 566.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow	=	25.79 cfs
Peak Outflow	=	12.26 cfs
Peak Elevation	=	572.93 ft

***** Summary of Approximate Peak Storage *****

Initial Storage	=	0 cu-ft
Peak Storage From Storm	=	22,119 cu-ft

Total Storage in Pond	=	22,119 cu-ft

```

*****
*                                     *
*   THE VILLAGES @ SPRINGHURST     *
*   DETENTION BASIN #5             *
*                                     *
*                                     *
*                                     *
*                                     *
*****
  
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Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Rating Table file: j:\DATA\0312269\BASIN5B .PND

----INITIAL CONDITIONS----
 Elevation = 566.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
566.00	0.0	0	0.0	0.0
566.30	0.1	5	0.2	0.3
566.60	0.4	37	1.2	1.6
566.90	0.7	127	4.2	4.9
567.20	1.1	298	9.9	11.0
567.50	1.5	572	19.1	20.6
567.80	2.0	968	32.3	34.3
568.10	2.5	1,508	50.3	52.8
568.40	3.1	2,134	71.1	74.2
568.70	3.7	2,831	94.4	98.1
569.00	4.3	3,603	120.1	124.4
569.30	5.1	4,453	148.4	153.5
569.60	5.5	5,384	179.5	185.0
569.90	6.0	6,402	213.4	219.4
570.20	6.3	7,509	250.3	256.6
570.50	6.7	8,705	290.2	296.9
570.80	7.1	9,996	333.2	340.3
571.10	7.4	11,382	379.4	386.8
571.40	7.7	12,870	429.0	436.7
571.70	8.0	14,461	482.0	490.0
572.00	8.3	16,159	538.6	546.9
572.30	8.6	17,965	598.8	607.4
572.60	8.8	19,880	662.7	671.5
572.90	11.3	21,907	730.2	741.5
573.20	21.0	24,049	801.6	822.6
573.50	34.6	26,308	876.9	911.5
573.80	51.5	28,689	956.3	1007.8
574.10	61.9	31,194	1039.8	1101.7
574.40	70.6	33,821	1127.4	1198.0
574.70	78.2	36,572	1219.1	1297.3
575.00	85.1	39,448	1314.9	1400.0

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	566.00
1.0	3.31	3.3	2.2	3.3	0.55	566.75
2.0	9.93	13.2	12.9	15.4	1.29	567.34
3.0	16.56	26.5	35.1	39.4	2.14	567.88
4.0	23.18	39.7	68.6	74.8	3.12	568.41
5.0	29.80	53.0	113.1	121.6	4.24	568.97
6.0	33.11	62.9	165.2	176.0	5.39	569.51
7.0	33.11	66.2	219.3	231.5	6.10	570.00
8.0	33.11	66.2	272.3	285.5	6.59	570.42
9.0	33.11	66.2	324.4	338.5	7.08	570.79
10.0	33.11	66.2	375.7	390.6	7.42	571.12
11.0	33.11	66.2	426.5	442.0	7.73	571.43
12.0	33.11	66.2	476.7	492.7	8.01	571.71
13.0	33.11	66.2	526.4	542.9	8.28	571.98
14.0	33.11	66.2	575.5	592.6	8.53	572.23
15.0	33.11	66.2	624.3	641.7	8.71	572.46
16.0	33.11	66.2	671.6	690.6	9.48	572.68
17.0	33.11	66.2	715.5	737.8	11.17	572.88
18.0	33.11	66.2	749.5	781.7	16.10	573.05
19.0	33.11	66.2	775.4	815.7	20.17	573.17
20.0	33.11	66.2	793.8	841.6	23.90	573.26
21.0	33.11	66.2	806.6	860.0	26.72	573.33
22.0	29.80	62.9	813.1	869.5	28.17	573.36
23.0	23.18	53.0	810.8	866.1	27.65	573.35
24.0	16.56	39.7	800.0	850.6	25.27	573.29
25.0	9.93	26.5	783.3	826.5	21.59	573.21
26.0	3.31	13.2	760.8	796.6	17.88	573.10
27.0	0.00	3.3	736.1	764.1	14.00	572.98
28.0	0.00	0.0	713.9	736.1	11.11	572.88
29.0	0.00	0.0	693.3	713.9	10.31	572.78
30.0	0.00	0.0	674.1	693.3	9.58	572.69
31.0	0.00	0.0	656.3	674.1	8.89	572.61
32.0	0.00	0.0	638.8	656.3	8.75	572.53
33.0	0.00	0.0	621.4	638.8	8.70	572.45
34.0	0.00	0.0	604.1	621.4	8.64	572.37
35.0	0.00	0.0	587.0	604.1	8.58	572.28
36.0	0.00	0.0	570.0	587.0	8.50	572.20
37.0	0.00	0.0	553.1	570.0	8.41	572.11
38.0	0.00	0.0	536.5	553.1	8.33	572.03
39.0	0.00	0.0	520.0	536.5	8.24	571.94
40.0	0.00	0.0	503.7	520.0	8.16	571.86
41.0	0.00	0.0	487.5	503.7	8.07	571.77
42.0	0.00	0.0	471.6	487.5	7.99	571.69
43.0	0.00	0.0	455.8	471.6	7.90	571.60
44.0	0.00	0.0	440.1	455.8	7.81	571.51

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	424.7	440.1	7.72	571.42
46.0	0.00	0.0	409.5	424.7	7.63	571.33
47.0	0.00	0.0	394.4	409.5	7.54	571.24
48.0	0.00	0.0	379.5	394.4	7.45	571.15
49.0	0.00	0.0	364.8	379.5	7.35	571.05
50.0	0.00	0.0	350.3	364.8	7.26	570.96
51.0	0.00	0.0	335.9	350.3	7.16	570.86
52.0	0.00	0.0	321.8	335.9	7.06	570.77
53.0	0.00	0.0	308.0	321.8	6.93	570.67
54.0	0.00	0.0	294.4	308.0	6.80	570.58
55.0	0.00	0.0	281.0	294.4	6.67	570.48
56.0	0.00	0.0	267.9	281.0	6.54	570.38
57.0	0.00	0.0	255.1	267.9	6.41	570.28
58.0	0.00	0.0	242.5	255.1	6.29	570.19
59.0	0.00	0.0	230.1	242.5	6.19	570.09
60.0	0.00	0.0	218.0	230.1	6.09	569.99
61.0	0.00	0.0	206.0	218.0	5.98	569.89
62.0	0.00	0.0	194.4	206.0	5.81	569.78
63.0	0.00	0.0	183.1	194.4	5.64	569.68
64.0	0.00	0.0	172.2	183.1	5.48	569.58
65.0	0.00	0.0	161.5	172.2	5.34	569.48
66.0	0.00	0.0	151.1	161.5	5.20	569.38
67.0	0.00	0.0	141.0	151.1	5.03	569.28
68.0	0.00	0.0	131.5	141.0	4.76	569.17
69.0	0.00	0.0	122.5	131.5	4.50	569.07
70.0	0.00	0.0	114.0	122.5	4.26	568.98
71.0	0.00	0.0	105.9	114.0	4.06	568.88
72.0	0.00	0.0	98.1	105.9	3.88	568.79
73.0	0.00	0.0	90.7	98.1	3.70	568.70
74.0	0.00	0.0	83.7	90.7	3.52	568.61
75.0	0.00	0.0	77.0	83.7	3.34	568.52
76.0	0.00	0.0	70.7	77.0	3.17	568.44
77.0	0.00	0.0	64.7	70.7	3.00	568.35
78.0	0.00	0.0	59.0	64.7	2.83	568.27
79.0	0.00	0.0	53.7	59.0	2.67	568.19
80.0	0.00	0.0	48.6	53.7	2.53	568.11
81.0	0.00	0.0	43.8	48.6	2.39	568.03
82.0	0.00	0.0	39.3	43.8	2.26	567.96
83.0	0.00	0.0	35.0	39.3	2.14	567.88
84.0	0.00	0.0	31.0	35.0	2.02	567.81
85.0	0.00	0.0	27.2	31.0	1.88	567.73
86.0	0.00	0.0	23.8	27.2	1.74	567.65
87.0	0.00	0.0	20.5	23.8	1.62	567.57
88.0	0.00	0.0	17.5	20.5	1.50	567.50
89.0	0.00	0.0	14.8	17.5	1.37	567.40
90.0	0.00	0.0	12.3	14.8	1.26	567.32

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	10.0	12.3	1.15	567.24
92.0	0.00	0.0	7.9	10.0	1.03	567.15
93.0	0.00	0.0	6.1	7.9	0.89	567.05
94.0	0.00	0.0	4.6	6.1	0.78	566.96
95.0	0.00	0.0	3.2	4.6	0.67	566.87
96.0	0.00	0.0	2.1	3.2	0.54	566.74
97.0	0.00	0.0	1.2	2.1	0.44	566.64
98.0	0.00	0.0	0.6	1.2	0.31	566.51
99.0	0.00	0.0	0.3	0.6	0.18	566.38
100.0	0.00	0.0	0.1	0.3	0.10	566.30
101.0	0.00	0.0	0.0	0.1	0.02	566.07
102.0	0.00	0.0	0.0	0.0	0.01	566.02
103.0	0.00	0.0	0.0	0.0	0.00	566.00
104.0	0.00	0.0	0.0	0.0	0.00	566.00
105.0	0.00	0.0	0.0	0.0	0.00	566.00
106.0	0.00	0.0	0.0	0.0	0.00	566.00
107.0	0.00	0.0	0.0	0.0	0.00	566.00
108.0	0.00	0.0	0.0	0.0	0.00	566.00
109.0	0.00	0.0	0.0	0.0	0.00	566.00
110.0	0.00	0.0	0.0	0.0	0.00	566.00
111.0	0.00	0.0	0.0	0.0	0.00	566.00
112.0	0.00	0.0	0.0	0.0	0.00	566.00
113.0	0.00	0.0	0.0	0.0	0.00	566.00
114.0	0.00	0.0	0.0	0.0	0.00	566.00
115.0	0.00	0.0	0.0	0.0	0.00	566.00
116.0	0.00	0.0	0.0	0.0	0.00	566.00
117.0	0.00	0.0	0.0	0.0	0.00	566.00
118.0	0.00	0.0	0.0	0.0	0.00	566.00
119.0	0.00	0.0	0.0	0.0	0.00	566.00
120.0	0.00	0.0	0.0	0.0	0.00	566.00
121.0	0.00	0.0	0.0	0.0	0.00	566.00
122.0	0.00	0.0	0.0	0.0	0.00	566.00
123.0	0.00	0.0	0.0	0.0	0.00	566.00
124.0	0.00	0.0	0.0	0.0	0.00	566.00
125.0	0.00	0.0	0.0	0.0	0.00	566.00
126.0	0.00	0.0	0.0	0.0	0.00	566.00
127.0	0.00	0.0	0.0	0.0	0.00	566.00
128.0	0.00	0.0	0.0	0.0	0.00	566.00
129.0	0.00	0.0	0.0	0.0	0.00	566.00
130.0	0.00	0.0	0.0	0.0	0.00	566.00
131.0	0.00	0.0	0.0	0.0	0.00	566.00
132.0	0.00	0.0	0.0	0.0	0.00	566.00
133.0	0.00	0.0	0.0	0.0	0.00	566.00
134.0	0.00	0.0	0.0	0.0	0.00	566.00
135.0	0.00	0.0	0.0	0.0	0.00	566.00
136.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	0.0	0.0	0.00	566.00
138.0	0.00	0.0	0.0	0.0	0.00	566.00
139.0	0.00	0.0	0.0	0.0	0.00	566.00
140.0	0.00	0.0	0.0	0.0	0.00	566.00
141.0	0.00	0.0	0.0	0.0	0.00	566.00
142.0	0.00	0.0	0.0	0.0	0.00	566.00
143.0	0.00	0.0	0.0	0.0	0.00	566.00
144.0	0.00	0.0	0.0	0.0	0.00	566.00
145.0	0.00	0.0	0.0	0.0	0.00	566.00
146.0	0.00	0.0	0.0	0.0	0.00	566.00
147.0	0.00	0.0	0.0	0.0	0.00	566.00
148.0	0.00	0.0	0.0	0.0	0.00	566.00
149.0	0.00	0.0	0.0	0.0	0.00	566.00
150.0	0.00	0.0	0.0	0.0	0.00	566.00
151.0	0.00	0.0	0.0	0.0	0.00	566.00
152.0	0.00	0.0	0.0	0.0	0.00	566.00
153.0	0.00	0.0	0.0	0.0	0.00	566.00
154.0	0.00	0.0	0.0	0.0	0.00	566.00
155.0	0.00	0.0	0.0	0.0	0.00	566.00
156.0	0.00	0.0	0.0	0.0	0.00	566.00
157.0	0.00	0.0	0.0	0.0	0.00	566.00
158.0	0.00	0.0	0.0	0.0	0.00	566.00
159.0	0.00	0.0	0.0	0.0	0.00	566.00
160.0	0.00	0.0	0.0	0.0	0.00	566.00
161.0	0.00	0.0	0.0	0.0	0.00	566.00
162.0	0.00	0.0	0.0	0.0	0.00	566.00
163.0	0.00	0.0	0.0	0.0	0.00	566.00
164.0	0.00	0.0	0.0	0.0	0.00	566.00
165.0	0.00	0.0	0.0	0.0	0.00	566.00
166.0	0.00	0.0	0.0	0.0	0.00	566.00
167.0	0.00	0.0	0.0	0.0	0.00	566.00
168.0	0.00	0.0	0.0	0.0	0.00	566.00
169.0	0.00	0.0	0.0	0.0	0.00	566.00
170.0	0.00	0.0	0.0	0.0	0.00	566.00
171.0	0.00	0.0	0.0	0.0	0.00	566.00
172.0	0.00	0.0	0.0	0.0	0.00	566.00
173.0	0.00	0.0	0.0	0.0	0.00	566.00
174.0	0.00	0.0	0.0	0.0	0.00	566.00
175.0	0.00	0.0	0.0	0.0	0.00	566.00
176.0	0.00	0.0	0.0	0.0	0.00	566.00
177.0	0.00	0.0	0.0	0.0	0.00	566.00
178.0	0.00	0.0	0.0	0.0	0.00	566.00
179.0	0.00	0.0	0.0	0.0	0.00	566.00
180.0	0.00	0.0	0.0	0.0	0.00	566.00
181.0	0.00	0.0	0.0	0.0	0.00	566.00
182.0	0.00	0.0	0.0	0.0	0.00	566.00

and File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASIN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	0.0	0.0	0.00	566.00
184.0	0.00	0.0	0.0	0.0	0.00	566.00
185.0	0.00	0.0	0.0	0.0	0.00	566.00
186.0	0.00	0.0	0.0	0.0	0.00	566.00
187.0	0.00	0.0	0.0	0.0	0.00	566.00
188.0	0.00	0.0	0.0	0.0	0.00	566.00
189.0	0.00	0.0	0.0	0.0	0.00	566.00
190.0	0.00	0.0	0.0	0.0	0.00	566.00
191.0	0.00	0.0	0.0	0.0	0.00	566.00
192.0	0.00	0.0	0.0	0.0	0.00	566.00
193.0	0.00	0.0	0.0	0.0	0.00	566.00
194.0	0.00	0.0	0.0	0.0	0.00	566.00
195.0	0.00	0.0	0.0	0.0	0.00	566.00
196.0	0.00	0.0	0.0	0.0	0.00	566.00
197.0	0.00	0.0	0.0	0.0	0.00	566.00
198.0	0.00	0.0	0.0	0.0	0.00	566.00
199.0	0.00	0.0	0.0	0.0	0.00	566.00
200.0	0.00	0.0	0.0	0.0	0.00	566.00
201.0	0.00	0.0	0.0	0.0	0.00	566.00
202.0	0.00	0.0	0.0	0.0	0.00	566.00
203.0	0.00	0.0	0.0	0.0	0.00	566.00
204.0	0.00	0.0	0.0	0.0	0.00	566.00
205.0	0.00	0.0	0.0	0.0	0.00	566.00
206.0	0.00	0.0	0.0	0.0	0.00	566.00
207.0	0.00	0.0	0.0	0.0	0.00	566.00
208.0	0.00	0.0	0.0	0.0	0.00	566.00
209.0	0.00	0.0	0.0	0.0	0.00	566.00
210.0	0.00	0.0	0.0	0.0	0.00	566.00
211.0	0.00	0.0	0.0	0.0	0.00	566.00
212.0	0.00	0.0	0.0	0.0	0.00	566.00
213.0	0.00	0.0	0.0	0.0	0.00	566.00
214.0	0.00	0.0	0.0	0.0	0.00	566.00
215.0	0.00	0.0	0.0	0.0	0.00	566.00
216.0	0.00	0.0	0.0	0.0	0.00	566.00
217.0	0.00	0.0	0.0	0.0	0.00	566.00
218.0	0.00	0.0	0.0	0.0	0.00	566.00
219.0	0.00	0.0	0.0	0.0	0.00	566.00
220.0	0.00	0.0	0.0	0.0	0.00	566.00
221.0	0.00	0.0	0.0	0.0	0.00	566.00
222.0	0.00	0.0	0.0	0.0	0.00	566.00
223.0	0.00	0.0	0.0	0.0	0.00	566.00
224.0	0.00	0.0	0.0	0.0	0.00	566.00
225.0	0.00	0.0	0.0	0.0	0.00	566.00
226.0	0.00	0.0	0.0	0.0	0.00	566.00
227.0	0.00	0.0	0.0	0.0	0.00	566.00
228.0	0.00	0.0	0.0	0.0	0.00	566.00

Pond File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	0.0	0.0	0.00	566.00
230.0	0.00	0.0	0.0	0.0	0.00	566.00
231.0	0.00	0.0	0.0	0.0	0.00	566.00
232.0	0.00	0.0	0.0	0.0	0.00	566.00
233.0	0.00	0.0	0.0	0.0	0.00	566.00
234.0	0.00	0.0	0.0	0.0	0.00	566.00
235.0	0.00	0.0	0.0	0.0	0.00	566.00
236.0	0.00	0.0	0.0	0.0	0.00	566.00
237.0	0.00	0.0	0.0	0.0	0.00	566.00
238.0	0.00	0.0	0.0	0.0	0.00	566.00
239.0	0.00	0.0	0.0	0.0	0.00	566.00
240.0	0.00	0.0	0.0	0.0	0.00	566.00
241.0	0.00	0.0	0.0	0.0	0.00	566.00
242.0	0.00	0.0	0.0	0.0	0.00	566.00
243.0	0.00	0.0	0.0	0.0	0.00	566.00
244.0	0.00	0.0	0.0	0.0	0.00	566.00
245.0	0.00	0.0	0.0	0.0	0.00	566.00
246.0	0.00	0.0	0.0	0.0	0.00	566.00
247.0	0.00	0.0	0.0	0.0	0.00	566.00
248.0	0.00	0.0	0.0	0.0	0.00	566.00
249.0	0.00	0.0	0.0	0.0	0.00	566.00
250.0	0.00	0.0	0.0	0.0	0.00	566.00
251.0	0.00	0.0	0.0	0.0	0.00	566.00
252.0	0.00	0.0	0.0	0.0	0.00	566.00
253.0	0.00	0.0	0.0	0.0	0.00	566.00
254.0	0.00	0.0	0.0	0.0	0.00	566.00
255.0	0.00	0.0	0.0	0.0	0.00	566.00
256.0	0.00	0.0	0.0	0.0	0.00	566.00
257.0	0.00	0.0	0.0	0.0	0.00	566.00
258.0	0.00	0.0	0.0	0.0	0.00	566.00
259.0	0.00	0.0	0.0	0.0	0.00	566.00
260.0	0.00	0.0	0.0	0.0	0.00	566.00
261.0	0.00	0.0	0.0	0.0	0.00	566.00
262.0	0.00	0.0	0.0	0.0	0.00	566.00
263.0	0.00	0.0	0.0	0.0	0.00	566.00
264.0	0.00	0.0	0.0	0.0	0.00	566.00
265.0	0.00	0.0	0.0	0.0	0.00	566.00
266.0	0.00	0.0	0.0	0.0	0.00	566.00
267.0	0.00	0.0	0.0	0.0	0.00	566.00
268.0	0.00	0.0	0.0	0.0	0.00	566.00
269.0	0.00	0.0	0.0	0.0	0.00	566.00
270.0	0.00	0.0	0.0	0.0	0.00	566.00
271.0	0.00	0.0	0.0	0.0	0.00	566.00
272.0	0.00	0.0	0.0	0.0	0.00	566.00
273.0	0.00	0.0	0.0	0.0	0.00	566.00
274.0	0.00	0.0	0.0	0.0	0.00	566.00

and File: j:\DATA\0312269\BASIN5B .PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BASN5100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	0.0	0.0	0.00	566.00
276.0	0.00	0.0	0.0	0.0	0.00	566.00
277.0	0.00	0.0	0.0	0.0	0.00	566.00
278.0	0.00	0.0	0.0	0.0	0.00	566.00
279.0	0.00	0.0	0.0	0.0	0.00	566.00
280.0	0.00	0.0	0.0	0.0	0.00	566.00
281.0	0.00	0.0	0.0	0.0	0.00	566.00
282.0	0.00	0.0	0.0	0.0	0.00	566.00
283.0	0.00	0.0	0.0	0.0	0.00	566.00
284.0	0.00	0.0	0.0	0.0	0.00	566.00
285.0	0.00	0.0	0.0	0.0	0.00	566.00
286.0	0.00	0.0	0.0	0.0	0.00	566.00
287.0	0.00	0.0	0.0	0.0	0.00	566.00
288.0	0.00	0.0	0.0	0.0	0.00	566.00
289.0	0.00	0.0	0.0	0.0	0.00	566.00
290.0	0.00	0.0	0.0	0.0	0.00	566.00
291.0	0.00	0.0	0.0	0.0	0.00	566.00
292.0	0.00	0.0	0.0	0.0	0.00	566.00
293.0	0.00	0.0	0.0	0.0	0.00	566.00
294.0	0.00	0.0	0.0	0.0	0.00	566.00
295.0	0.00	0.0	0.0	0.0	0.00	566.00
296.0	0.00	0.0	0.0	0.0	0.00	566.00
297.0	0.00	0.0	0.0	0.0	0.00	566.00
298.0	0.00	0.0	0.0	0.0	0.00	566.00
299.0	0.00	0.0	0.0	0.0	0.00	566.00
300.0	0.00	0.0	0.0	0.0	0.00	566.00
301.0	0.00	0.0	0.0	0.0	0.00	566.00
302.0	0.00	0.0	0.0	0.0	0.00	566.00
303.0	0.00	0.0	0.0	0.0	0.00	566.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5B .PND
Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
Outflow Hydrograph: j:\DATA\0312269\BASN5100.HYD

Starting Pond W.S. Elevation = 566.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 33.11 cfs
Peak Outflow = 28.17 cfs
Peak Elevation = 573.36 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 25,240 cu-ft

Total Storage in Pond = 25,240 cu-ft

Outlet Structure File: BASIN5AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5
BLOCKED LOW FLOW

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
572.75	0.0	3
572.95	3.4	3
573.15	9.7	3
573.35	17.9	3
573.55	27.6	3
573.75	39.7	4
573.95	47.0	4
574.15	53.3	4
574.35	58.9	4
574.55	64.1	4
574.75	68.8	4
574.95	73.3	4
575.00	74.3	4

Outlet Structure File: BASIN5AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5
BLOCKED LOW FLOW

Outlet Structure File: j:\DATA\0312269\BASIN5AB.STR
Planimeter Input File: j:\DATA\0312269\BASIN5 .VOL
Rating Table Output File: j:\DATA\0312269\BASIN5AB.PND

Min. Elev.(ft) = 572.75 Max. Elev.(ft) = 575 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
j:\DATA\0312269\BASIN5AB.PND

Outlet Structure File: BASIN5AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5
BLOCKED LOW FLOW

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	572.75
E2 elev. (ft)?	573.75
Weir coefficient?	3.3
Weir elev. (ft)?	572.75
Length (ft)?	11.67
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN5AB.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

THE VILLAGES @ SPRINGHURST
DETENTION BASIN #5
BLOCKED LOW FLOW

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	573.75
E2 elev.(ft)?	575.001
Orifice coeff.?	.6
Invert elev.(ft)?	572.75
Datum elev.(ft) ?	573.25
Orifice area (sq ft)?	11.67


```
*****
*
*   THE VILLAGES @ SPRINGHURST   *
*   DETENTION BASIN #5          *
*   BLOCKED LOW FLOW            *
*
*
*
*****
```

Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5AB.PND

----INITIAL CONDITIONS----
 Elevation = 572.75 ft
 Outflow = 0.00 cfs
 Storage = 20,880 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.75	0.0	20,880	696.0	696.0
572.95	3.4	22,256	741.9	745.3
573.15	9.7	23,684	789.5	799.2
573.35	17.9	25,163	838.8	856.7
573.55	27.6	26,697	889.9	917.5
573.75	39.7	28,284	942.8	982.5
573.95	47.0	29,927	997.6	1044.6
574.15	53.3	31,624	1054.1	1107.4
574.35	58.9	33,375	1112.5	1171.4
574.55	64.1	35,181	1172.7	1236.8
574.75	68.8	37,042	1234.7	1303.5
574.95	73.3	38,959	1298.6	1371.9
575.00	74.3	39,448	1314.9	1389.2

Time increment (t) = 1.0 min.

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	696.0	696.0	0.00	572.75
1.0	1.28	1.3	697.1	697.3	0.09	572.76
2.0	3.85	5.1	701.4	702.2	0.43	572.78
3.0	6.41	10.3	709.5	711.6	1.08	572.81
4.0	8.97	15.4	720.9	724.8	1.99	572.87
5.0	11.54	20.5	735.1	741.4	3.13	572.93
6.0	12.82	24.4	749.3	759.5	5.06	573.00
7.0	12.82	25.6	761.2	775.0	6.87	573.06
8.0	12.82	25.6	770.4	786.9	8.26	573.10
9.0	12.82	25.6	777.3	796.0	9.33	573.14
10.0	12.82	25.6	782.5	803.0	10.24	573.16
11.0	12.82	25.6	786.2	808.1	10.98	573.18
12.0	12.82	25.6	788.8	811.8	11.50	573.19
13.0	12.82	25.6	790.7	814.4	11.88	573.20
14.0	12.82	25.6	792.0	816.3	12.15	573.21
15.0	12.82	25.6	793.0	817.7	12.34	573.21
16.0	12.82	25.6	793.7	818.6	12.48	573.22
17.0	12.82	25.6	794.2	819.3	12.57	573.22
18.0	12.82	25.6	794.5	819.8	12.64	573.22
19.0	12.82	25.6	794.8	820.2	12.69	573.22
20.0	12.82	25.6	795.0	820.4	12.73	573.22
21.0	12.82	25.6	795.1	820.6	12.76	573.22
22.0	11.54	24.4	794.3	819.4	12.59	573.22
23.0	8.97	20.5	790.9	814.8	11.93	573.20
24.0	6.41	15.4	784.9	806.3	10.72	573.17
25.0	3.85	10.3	776.7	795.1	9.23	573.14
26.0	1.28	5.1	766.5	781.8	7.67	573.09
27.0	0.00	1.3	755.7	767.7	6.03	573.03
28.0	0.00	0.0	746.5	755.7	4.62	572.99
29.0	0.00	0.0	739.4	746.5	3.54	572.95
30.0	0.00	0.0	733.4	739.4	2.99	572.93
31.0	0.00	0.0	728.2	733.4	2.58	572.90
32.0	0.00	0.0	723.8	728.2	2.22	572.88
33.0	0.00	0.0	719.9	723.8	1.92	572.86
34.0	0.00	0.0	716.6	719.9	1.65	572.85
35.0	0.00	0.0	713.8	716.6	1.42	572.83
36.0	0.00	0.0	711.3	713.8	1.23	572.82
37.0	0.00	0.0	709.2	711.3	1.06	572.81
38.0	0.00	0.0	707.4	709.2	0.91	572.80
39.0	0.00	0.0	705.8	707.4	0.79	572.80
40.0	0.00	0.0	704.5	705.8	0.68	572.79
41.0	0.00	0.0	703.3	704.5	0.58	572.78
42.0	0.00	0.0	702.3	703.3	0.50	572.78
43.0	0.00	0.0	701.4	702.3	0.43	572.78
44.0	0.00	0.0	700.7	701.4	0.37	572.77

and File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	700.0	700.7	0.32	572.77
46.0	0.00	0.0	699.5	700.0	0.28	572.77
47.0	0.00	0.0	699.0	699.5	0.24	572.76
48.0	0.00	0.0	698.6	699.0	0.21	572.76
49.0	0.00	0.0	698.2	698.6	0.18	572.76
50.0	0.00	0.0	697.9	698.2	0.15	572.76
51.0	0.00	0.0	697.6	697.9	0.13	572.76
52.0	0.00	0.0	697.4	697.6	0.11	572.76
53.0	0.00	0.0	697.2	697.4	0.10	572.76
54.0	0.00	0.0	697.0	697.2	0.08	572.75
55.0	0.00	0.0	696.9	697.0	0.07	572.75
56.0	0.00	0.0	696.8	696.9	0.06	572.75
57.0	0.00	0.0	696.7	696.8	0.05	572.75
58.0	0.00	0.0	696.6	696.7	0.05	572.75
59.0	0.00	0.0	696.5	696.6	0.04	572.75
60.0	0.00	0.0	696.4	696.5	0.03	572.75
61.0	0.00	0.0	696.4	696.4	0.03	572.75
62.0	0.00	0.0	696.3	696.4	0.03	572.75
63.0	0.00	0.0	696.3	696.3	0.02	572.75
64.0	0.00	0.0	696.2	696.3	0.02	572.75
65.0	0.00	0.0	696.2	696.2	0.02	572.75
66.0	0.00	0.0	696.2	696.2	0.01	572.75
67.0	0.00	0.0	696.1	696.2	0.01	572.75
68.0	0.00	0.0	696.1	696.1	0.01	572.75
69.0	0.00	0.0	696.1	696.1	0.01	572.75
70.0	0.00	0.0	696.1	696.1	0.01	572.75
71.0	0.00	0.0	696.1	696.1	0.01	572.75
72.0	0.00	0.0	696.1	696.1	0.01	572.75
73.0	0.00	0.0	696.0	696.1	0.01	572.75
74.0	0.00	0.0	696.0	696.0	0.00	572.75
75.0	0.00	0.0	696.0	696.0	0.00	572.75
76.0	0.00	0.0	696.0	696.0	0.00	572.75
77.0	0.00	0.0	696.0	696.0	0.00	572.75
78.0	0.00	0.0	696.0	696.0	0.00	572.75
79.0	0.00	0.0	696.0	696.0	0.00	572.75
80.0	0.00	0.0	696.0	696.0	0.00	572.75
81.0	0.00	0.0	696.0	696.0	0.00	572.75
82.0	0.00	0.0	696.0	696.0	0.00	572.75
83.0	0.00	0.0	696.0	696.0	0.00	572.75
84.0	0.00	0.0	696.0	696.0	0.00	572.75
85.0	0.00	0.0	696.0	696.0	0.00	572.75
86.0	0.00	0.0	696.0	696.0	0.00	572.75
87.0	0.00	0.0	696.0	696.0	0.00	572.75
88.0	0.00	0.0	696.0	696.0	0.00	572.75
89.0	0.00	0.0	696.0	696.0	0.00	572.75
90.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	696.0	696.0	0.00	572.75
92.0	0.00	0.0	696.0	696.0	0.00	572.75
93.0	0.00	0.0	696.0	696.0	0.00	572.75
94.0	0.00	0.0	696.0	696.0	0.00	572.75
95.0	0.00	0.0	696.0	696.0	0.00	572.75
96.0	0.00	0.0	696.0	696.0	0.00	572.75
97.0	0.00	0.0	696.0	696.0	0.00	572.75
98.0	0.00	0.0	696.0	696.0	0.00	572.75
99.0	0.00	0.0	696.0	696.0	0.00	572.75
100.0	0.00	0.0	696.0	696.0	0.00	572.75
101.0	0.00	0.0	696.0	696.0	0.00	572.75
102.0	0.00	0.0	696.0	696.0	0.00	572.75
103.0	0.00	0.0	696.0	696.0	0.00	572.75
104.0	0.00	0.0	696.0	696.0	0.00	572.75
105.0	0.00	0.0	696.0	696.0	0.00	572.75
106.0	0.00	0.0	696.0	696.0	0.00	572.75
107.0	0.00	0.0	696.0	696.0	0.00	572.75
108.0	0.00	0.0	696.0	696.0	0.00	572.75
109.0	0.00	0.0	696.0	696.0	0.00	572.75
110.0	0.00	0.0	696.0	696.0	0.00	572.75
111.0	0.00	0.0	696.0	696.0	0.00	572.75
112.0	0.00	0.0	696.0	696.0	0.00	572.75
113.0	0.00	0.0	696.0	696.0	0.00	572.75
114.0	0.00	0.0	696.0	696.0	0.00	572.75
115.0	0.00	0.0	696.0	696.0	0.00	572.75
116.0	0.00	0.0	696.0	696.0	0.00	572.75
117.0	0.00	0.0	696.0	696.0	0.00	572.75
118.0	0.00	0.0	696.0	696.0	0.00	572.75
119.0	0.00	0.0	696.0	696.0	0.00	572.75
120.0	0.00	0.0	696.0	696.0	0.00	572.75
121.0	0.00	0.0	696.0	696.0	0.00	572.75
122.0	0.00	0.0	696.0	696.0	0.00	572.75
123.0	0.00	0.0	696.0	696.0	0.00	572.75
124.0	0.00	0.0	696.0	696.0	0.00	572.75
125.0	0.00	0.0	696.0	696.0	0.00	572.75
126.0	0.00	0.0	696.0	696.0	0.00	572.75
127.0	0.00	0.0	696.0	696.0	0.00	572.75
128.0	0.00	0.0	696.0	696.0	0.00	572.75
129.0	0.00	0.0	696.0	696.0	0.00	572.75
130.0	0.00	0.0	696.0	696.0	0.00	572.75
131.0	0.00	0.0	696.0	696.0	0.00	572.75
132.0	0.00	0.0	696.0	696.0	0.00	572.75
133.0	0.00	0.0	696.0	696.0	0.00	572.75
134.0	0.00	0.0	696.0	696.0	0.00	572.75
135.0	0.00	0.0	696.0	696.0	0.00	572.75
136.0	0.00	0.0	696.0	696.0	0.00	572.75

Pond File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	696.0	696.0	0.00	572.75
138.0	0.00	0.0	696.0	696.0	0.00	572.75
139.0	0.00	0.0	696.0	696.0	0.00	572.75
140.0	0.00	0.0	696.0	696.0	0.00	572.75
141.0	0.00	0.0	696.0	696.0	0.00	572.75
142.0	0.00	0.0	696.0	696.0	0.00	572.75
143.0	0.00	0.0	696.0	696.0	0.00	572.75
144.0	0.00	0.0	696.0	696.0	0.00	572.75
145.0	0.00	0.0	696.0	696.0	0.00	572.75
146.0	0.00	0.0	696.0	696.0	0.00	572.75
147.0	0.00	0.0	696.0	696.0	0.00	572.75
148.0	0.00	0.0	696.0	696.0	0.00	572.75
149.0	0.00	0.0	696.0	696.0	0.00	572.75
150.0	0.00	0.0	696.0	696.0	0.00	572.75
151.0	0.00	0.0	696.0	696.0	0.00	572.75
152.0	0.00	0.0	696.0	696.0	0.00	572.75
153.0	0.00	0.0	696.0	696.0	0.00	572.75
154.0	0.00	0.0	696.0	696.0	0.00	572.75
155.0	0.00	0.0	696.0	696.0	0.00	572.75
156.0	0.00	0.0	696.0	696.0	0.00	572.75
157.0	0.00	0.0	696.0	696.0	0.00	572.75
158.0	0.00	0.0	696.0	696.0	0.00	572.75
159.0	0.00	0.0	696.0	696.0	0.00	572.75
160.0	0.00	0.0	696.0	696.0	0.00	572.75
161.0	0.00	0.0	696.0	696.0	0.00	572.75
162.0	0.00	0.0	696.0	696.0	0.00	572.75
163.0	0.00	0.0	696.0	696.0	0.00	572.75
164.0	0.00	0.0	696.0	696.0	0.00	572.75
165.0	0.00	0.0	696.0	696.0	0.00	572.75
166.0	0.00	0.0	696.0	696.0	0.00	572.75
167.0	0.00	0.0	696.0	696.0	0.00	572.75
168.0	0.00	0.0	696.0	696.0	0.00	572.75
169.0	0.00	0.0	696.0	696.0	0.00	572.75
170.0	0.00	0.0	696.0	696.0	0.00	572.75
171.0	0.00	0.0	696.0	696.0	0.00	572.75
172.0	0.00	0.0	696.0	696.0	0.00	572.75
173.0	0.00	0.0	696.0	696.0	0.00	572.75
174.0	0.00	0.0	696.0	696.0	0.00	572.75
175.0	0.00	0.0	696.0	696.0	0.00	572.75
176.0	0.00	0.0	696.0	696.0	0.00	572.75
177.0	0.00	0.0	696.0	696.0	0.00	572.75
178.0	0.00	0.0	696.0	696.0	0.00	572.75
179.0	0.00	0.0	696.0	696.0	0.00	572.75
180.0	0.00	0.0	696.0	696.0	0.00	572.75
181.0	0.00	0.0	696.0	696.0	0.00	572.75
182.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	696.0	696.0	0.00	572.75
184.0	0.00	0.0	696.0	696.0	0.00	572.75
185.0	0.00	0.0	696.0	696.0	0.00	572.75
186.0	0.00	0.0	696.0	696.0	0.00	572.75
187.0	0.00	0.0	696.0	696.0	0.00	572.75
188.0	0.00	0.0	696.0	696.0	0.00	572.75
189.0	0.00	0.0	696.0	696.0	0.00	572.75
190.0	0.00	0.0	696.0	696.0	0.00	572.75
191.0	0.00	0.0	696.0	696.0	0.00	572.75
192.0	0.00	0.0	696.0	696.0	0.00	572.75
193.0	0.00	0.0	696.0	696.0	0.00	572.75
194.0	0.00	0.0	696.0	696.0	0.00	572.75
195.0	0.00	0.0	696.0	696.0	0.00	572.75
196.0	0.00	0.0	696.0	696.0	0.00	572.75
197.0	0.00	0.0	696.0	696.0	0.00	572.75
198.0	0.00	0.0	696.0	696.0	0.00	572.75
199.0	0.00	0.0	696.0	696.0	0.00	572.75
200.0	0.00	0.0	696.0	696.0	0.00	572.75
201.0	0.00	0.0	696.0	696.0	0.00	572.75
202.0	0.00	0.0	696.0	696.0	0.00	572.75
203.0	0.00	0.0	696.0	696.0	0.00	572.75
204.0	0.00	0.0	696.0	696.0	0.00	572.75
205.0	0.00	0.0	696.0	696.0	0.00	572.75
206.0	0.00	0.0	696.0	696.0	0.00	572.75
207.0	0.00	0.0	696.0	696.0	0.00	572.75
208.0	0.00	0.0	696.0	696.0	0.00	572.75
209.0	0.00	0.0	696.0	696.0	0.00	572.75
210.0	0.00	0.0	696.0	696.0	0.00	572.75
211.0	0.00	0.0	696.0	696.0	0.00	572.75
212.0	0.00	0.0	696.0	696.0	0.00	572.75
213.0	0.00	0.0	696.0	696.0	0.00	572.75
214.0	0.00	0.0	696.0	696.0	0.00	572.75
215.0	0.00	0.0	696.0	696.0	0.00	572.75
216.0	0.00	0.0	696.0	696.0	0.00	572.75
217.0	0.00	0.0	696.0	696.0	0.00	572.75
218.0	0.00	0.0	696.0	696.0	0.00	572.75
219.0	0.00	0.0	696.0	696.0	0.00	572.75
220.0	0.00	0.0	696.0	696.0	0.00	572.75
221.0	0.00	0.0	696.0	696.0	0.00	572.75
222.0	0.00	0.0	696.0	696.0	0.00	572.75
223.0	0.00	0.0	696.0	696.0	0.00	572.75
224.0	0.00	0.0	696.0	696.0	0.00	572.75
225.0	0.00	0.0	696.0	696.0	0.00	572.75
226.0	0.00	0.0	696.0	696.0	0.00	572.75
227.0	0.00	0.0	696.0	696.0	0.00	572.75
228.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	696.0	696.0	0.00	572.75
230.0	0.00	0.0	696.0	696.0	0.00	572.75
231.0	0.00	0.0	696.0	696.0	0.00	572.75
232.0	0.00	0.0	696.0	696.0	0.00	572.75
233.0	0.00	0.0	696.0	696.0	0.00	572.75
234.0	0.00	0.0	696.0	696.0	0.00	572.75
235.0	0.00	0.0	696.0	696.0	0.00	572.75
236.0	0.00	0.0	696.0	696.0	0.00	572.75
237.0	0.00	0.0	696.0	696.0	0.00	572.75
238.0	0.00	0.0	696.0	696.0	0.00	572.75
239.0	0.00	0.0	696.0	696.0	0.00	572.75
240.0	0.00	0.0	696.0	696.0	0.00	572.75
241.0	0.00	0.0	696.0	696.0	0.00	572.75
242.0	0.00	0.0	696.0	696.0	0.00	572.75
243.0	0.00	0.0	696.0	696.0	0.00	572.75
244.0	0.00	0.0	696.0	696.0	0.00	572.75
245.0	0.00	0.0	696.0	696.0	0.00	572.75
246.0	0.00	0.0	696.0	696.0	0.00	572.75
247.0	0.00	0.0	696.0	696.0	0.00	572.75
248.0	0.00	0.0	696.0	696.0	0.00	572.75
249.0	0.00	0.0	696.0	696.0	0.00	572.75
250.0	0.00	0.0	696.0	696.0	0.00	572.75
251.0	0.00	0.0	696.0	696.0	0.00	572.75
252.0	0.00	0.0	696.0	696.0	0.00	572.75
253.0	0.00	0.0	696.0	696.0	0.00	572.75
254.0	0.00	0.0	696.0	696.0	0.00	572.75
255.0	0.00	0.0	696.0	696.0	0.00	572.75
256.0	0.00	0.0	696.0	696.0	0.00	572.75
257.0	0.00	0.0	696.0	696.0	0.00	572.75
258.0	0.00	0.0	696.0	696.0	0.00	572.75
259.0	0.00	0.0	696.0	696.0	0.00	572.75
260.0	0.00	0.0	696.0	696.0	0.00	572.75
261.0	0.00	0.0	696.0	696.0	0.00	572.75
262.0	0.00	0.0	696.0	696.0	0.00	572.75
263.0	0.00	0.0	696.0	696.0	0.00	572.75
264.0	0.00	0.0	696.0	696.0	0.00	572.75
265.0	0.00	0.0	696.0	696.0	0.00	572.75
266.0	0.00	0.0	696.0	696.0	0.00	572.75
267.0	0.00	0.0	696.0	696.0	0.00	572.75
268.0	0.00	0.0	696.0	696.0	0.00	572.75
269.0	0.00	0.0	696.0	696.0	0.00	572.75
270.0	0.00	0.0	696.0	696.0	0.00	572.75
271.0	0.00	0.0	696.0	696.0	0.00	572.75
272.0	0.00	0.0	696.0	696.0	0.00	572.75
273.0	0.00	0.0	696.0	696.0	0.00	572.75
274.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\02BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB02.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	696.0	696.0	0.00	572.75
276.0	0.00	0.0	696.0	696.0	0.00	572.75
277.0	0.00	0.0	696.0	696.0	0.00	572.75
278.0	0.00	0.0	696.0	696.0	0.00	572.75
279.0	0.00	0.0	696.0	696.0	0.00	572.75
280.0	0.00	0.0	696.0	696.0	0.00	572.75
281.0	0.00	0.0	696.0	696.0	0.00	572.75
282.0	0.00	0.0	696.0	696.0	0.00	572.75
283.0	0.00	0.0	696.0	696.0	0.00	572.75
284.0	0.00	0.0	696.0	696.0	0.00	572.75
285.0	0.00	0.0	696.0	696.0	0.00	572.75
286.0	0.00	0.0	696.0	696.0	0.00	572.75
287.0	0.00	0.0	696.0	696.0	0.00	572.75
288.0	0.00	0.0	696.0	696.0	0.00	572.75
289.0	0.00	0.0	696.0	696.0	0.00	572.75
290.0	0.00	0.0	696.0	696.0	0.00	572.75
291.0	0.00	0.0	696.0	696.0	0.00	572.75
292.0	0.00	0.0	696.0	696.0	0.00	572.75
293.0	0.00	0.0	696.0	696.0	0.00	572.75
294.0	0.00	0.0	696.0	696.0	0.00	572.75
295.0	0.00	0.0	696.0	696.0	0.00	572.75
296.0	0.00	0.0	696.0	696.0	0.00	572.75
297.0	0.00	0.0	696.0	696.0	0.00	572.75
298.0	0.00	0.0	696.0	696.0	0.00	572.75
299.0	0.00	0.0	696.0	696.0	0.00	572.75
300.0	0.00	0.0	696.0	696.0	0.00	572.75
301.0	0.00	0.0	696.0	696.0	0.00	572.75
302.0	0.00	0.0	696.0	696.0	0.00	572.75
303.0	0.00	0.0	696.0	696.0	0.00	572.75

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5AB.PND
Inflow Hydrograph: j:\DATA\0312269\02BASIN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA5AB02 .HYD

Starting Pond W.S. Elevation = 572.75 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 12.82 cfs
Peak Outflow = 12.76 cfs
Peak Elevation = 573.22 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 20,880 cu-ft
Peak Storage From Storm = 3,356 cu-ft

Total Storage in Pond = 24,235 cu-ft

```
*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #5
*   BLOCKED LOW FLOW
*
*
*****
```

Inflow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5AB.PND

----INITIAL CONDITIONS----
 Elevation = 572.75 ft
 Outflow = 0.00 cfs
 Storage = 20,880 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.75	0.0	20,880	696.0	696.0
572.95	3.4	22,256	741.9	745.3
573.15	9.7	23,684	789.5	799.2
573.35	17.9	25,163	838.8	856.7
573.55	27.6	26,697	889.9	917.5
573.75	39.7	28,284	942.8	982.5
573.95	47.0	29,927	997.6	1044.6
574.15	53.3	31,624	1054.1	1107.4
574.35	58.9	33,375	1112.5	1171.4
574.55	64.1	35,181	1172.7	1236.8
574.75	68.8	37,042	1234.7	1303.5
574.95	73.3	38,959	1298.6	1371.9
575.00	74.3	39,448	1314.9	1389.2

Time increment (t) = 1.0 min.

and File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	696.0	696.0	0.00	572.75
1.0	2.09	2.1	697.8	698.1	0.14	572.76
2.0	6.27	8.4	704.7	706.1	0.70	572.79
3.0	10.45	16.7	717.9	721.5	1.76	572.85
4.0	14.64	25.1	736.5	743.0	3.25	572.94
5.0	18.82	33.5	757.4	770.0	6.29	573.04
6.0	20.91	39.7	778.2	797.2	9.46	573.14
7.0	20.91	41.8	794.7	820.0	12.68	573.22
8.0	20.91	41.8	806.5	836.5	15.02	573.28
9.0	20.91	41.8	814.9	848.3	16.70	573.32
10.0	20.91	41.8	820.9	856.7	17.90	573.35
11.0	20.91	41.8	825.0	862.7	18.86	573.37
12.0	20.91	41.8	827.8	866.8	19.52	573.38
13.0	20.91	41.8	829.7	869.6	19.96	573.39
14.0	20.91	41.8	831.0	871.5	20.26	573.40
15.0	20.91	41.8	831.8	872.8	20.47	573.40
16.0	20.91	41.8	832.4	873.7	20.61	573.41
17.0	20.91	41.8	832.9	874.3	20.71	573.41
18.0	20.91	41.8	833.1	874.7	20.77	573.41
19.0	20.91	41.8	833.3	875.0	20.82	573.41
20.0	20.91	41.8	833.4	875.1	20.85	573.41
21.0	20.91	41.8	833.5	875.3	20.87	573.41
22.0	18.82	39.7	832.2	873.3	20.55	573.40
23.0	14.64	33.5	827.0	865.6	19.33	573.38
24.0	10.45	25.1	817.6	852.1	17.24	573.33
25.0	6.27	16.7	804.9	834.3	14.71	573.27
26.0	2.09	8.4	789.8	813.2	11.71	573.20
27.0	0.00	2.1	774.2	791.9	8.85	573.12
28.0	0.00	0.0	760.6	774.2	6.78	573.06
29.0	0.00	0.0	750.3	760.6	5.20	573.01
30.0	0.00	0.0	742.3	750.3	3.98	572.97
31.0	0.00	0.0	735.9	742.3	3.19	572.94
32.0	0.00	0.0	730.4	735.9	2.75	572.91
33.0	0.00	0.0	725.6	730.4	2.37	572.89
34.0	0.00	0.0	721.6	725.6	2.05	572.87
35.0	0.00	0.0	718.0	721.6	1.76	572.85
36.0	0.00	0.0	715.0	718.0	1.52	572.84
37.0	0.00	0.0	712.4	715.0	1.31	572.83
38.0	0.00	0.0	710.1	712.4	1.13	572.82
39.0	0.00	0.0	708.2	710.1	0.97	572.81
40.0	0.00	0.0	706.5	708.2	0.84	572.80
41.0	0.00	0.0	705.0	706.5	0.72	572.79
42.0	0.00	0.0	703.8	705.0	0.62	572.79
43.0	0.00	0.0	702.7	703.8	0.54	572.78
44.0	0.00	0.0	701.8	702.7	0.46	572.78

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	701.0	701.8	0.40	572.77
46.0	0.00	0.0	700.3	701.0	0.34	572.77
47.0	0.00	0.0	699.7	700.3	0.30	572.77
48.0	0.00	0.0	699.2	699.7	0.26	572.77
49.0	0.00	0.0	698.7	699.2	0.22	572.76
50.0	0.00	0.0	698.4	698.7	0.19	572.76
51.0	0.00	0.0	698.0	698.4	0.16	572.76
52.0	0.00	0.0	697.8	698.0	0.14	572.76
53.0	0.00	0.0	697.5	697.8	0.12	572.76
54.0	0.00	0.0	697.3	697.5	0.11	572.76
55.0	0.00	0.0	697.1	697.3	0.09	572.76
56.0	0.00	0.0	697.0	697.1	0.08	572.75
57.0	0.00	0.0	696.8	697.0	0.07	572.75
58.0	0.00	0.0	696.7	696.8	0.06	572.75
59.0	0.00	0.0	696.6	696.7	0.05	572.75
60.0	0.00	0.0	696.5	696.6	0.04	572.75
61.0	0.00	0.0	696.4	696.5	0.04	572.75
62.0	0.00	0.0	696.4	696.4	0.03	572.75
63.0	0.00	0.0	696.3	696.4	0.03	572.75
64.0	0.00	0.0	696.3	696.3	0.02	572.75
65.0	0.00	0.0	696.2	696.3	0.02	572.75
66.0	0.00	0.0	696.2	696.2	0.02	572.75
67.0	0.00	0.0	696.2	696.2	0.02	572.75
68.0	0.00	0.0	696.1	696.2	0.01	572.75
69.0	0.00	0.0	696.1	696.1	0.01	572.75
70.0	0.00	0.0	696.1	696.1	0.01	572.75
71.0	0.00	0.0	696.1	696.1	0.01	572.75
72.0	0.00	0.0	696.1	696.1	0.01	572.75
73.0	0.00	0.0	696.1	696.1	0.01	572.75
74.0	0.00	0.0	696.1	696.1	0.01	572.75
75.0	0.00	0.0	696.0	696.1	0.00	572.75
76.0	0.00	0.0	696.0	696.0	0.00	572.75
77.0	0.00	0.0	696.0	696.0	0.00	572.75
78.0	0.00	0.0	696.0	696.0	0.00	572.75
79.0	0.00	0.0	696.0	696.0	0.00	572.75
80.0	0.00	0.0	696.0	696.0	0.00	572.75
81.0	0.00	0.0	696.0	696.0	0.00	572.75
82.0	0.00	0.0	696.0	696.0	0.00	572.75
83.0	0.00	0.0	696.0	696.0	0.00	572.75
84.0	0.00	0.0	696.0	696.0	0.00	572.75
85.0	0.00	0.0	696.0	696.0	0.00	572.75
86.0	0.00	0.0	696.0	696.0	0.00	572.75
87.0	0.00	0.0	696.0	696.0	0.00	572.75
88.0	0.00	0.0	696.0	696.0	0.00	572.75
89.0	0.00	0.0	696.0	696.0	0.00	572.75
90.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	696.0	696.0	0.00	572.75
92.0	0.00	0.0	696.0	696.0	0.00	572.75
93.0	0.00	0.0	696.0	696.0	0.00	572.75
94.0	0.00	0.0	696.0	696.0	0.00	572.75
95.0	0.00	0.0	696.0	696.0	0.00	572.75
96.0	0.00	0.0	696.0	696.0	0.00	572.75
97.0	0.00	0.0	696.0	696.0	0.00	572.75
98.0	0.00	0.0	696.0	696.0	0.00	572.75
99.0	0.00	0.0	696.0	696.0	0.00	572.75
100.0	0.00	0.0	696.0	696.0	0.00	572.75
101.0	0.00	0.0	696.0	696.0	0.00	572.75
102.0	0.00	0.0	696.0	696.0	0.00	572.75
103.0	0.00	0.0	696.0	696.0	0.00	572.75
104.0	0.00	0.0	696.0	696.0	0.00	572.75
105.0	0.00	0.0	696.0	696.0	0.00	572.75
106.0	0.00	0.0	696.0	696.0	0.00	572.75
107.0	0.00	0.0	696.0	696.0	0.00	572.75
108.0	0.00	0.0	696.0	696.0	0.00	572.75
109.0	0.00	0.0	696.0	696.0	0.00	572.75
110.0	0.00	0.0	696.0	696.0	0.00	572.75
111.0	0.00	0.0	696.0	696.0	0.00	572.75
112.0	0.00	0.0	696.0	696.0	0.00	572.75
113.0	0.00	0.0	696.0	696.0	0.00	572.75
114.0	0.00	0.0	696.0	696.0	0.00	572.75
115.0	0.00	0.0	696.0	696.0	0.00	572.75
116.0	0.00	0.0	696.0	696.0	0.00	572.75
117.0	0.00	0.0	696.0	696.0	0.00	572.75
118.0	0.00	0.0	696.0	696.0	0.00	572.75
119.0	0.00	0.0	696.0	696.0	0.00	572.75
120.0	0.00	0.0	696.0	696.0	0.00	572.75
121.0	0.00	0.0	696.0	696.0	0.00	572.75
122.0	0.00	0.0	696.0	696.0	0.00	572.75
123.0	0.00	0.0	696.0	696.0	0.00	572.75
124.0	0.00	0.0	696.0	696.0	0.00	572.75
125.0	0.00	0.0	696.0	696.0	0.00	572.75
126.0	0.00	0.0	696.0	696.0	0.00	572.75
127.0	0.00	0.0	696.0	696.0	0.00	572.75
128.0	0.00	0.0	696.0	696.0	0.00	572.75
129.0	0.00	0.0	696.0	696.0	0.00	572.75
130.0	0.00	0.0	696.0	696.0	0.00	572.75
131.0	0.00	0.0	696.0	696.0	0.00	572.75
132.0	0.00	0.0	696.0	696.0	0.00	572.75
133.0	0.00	0.0	696.0	696.0	0.00	572.75
134.0	0.00	0.0	696.0	696.0	0.00	572.75
135.0	0.00	0.0	696.0	696.0	0.00	572.75
136.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	696.0	696.0	0.00	572.75
138.0	0.00	0.0	696.0	696.0	0.00	572.75
139.0	0.00	0.0	696.0	696.0	0.00	572.75
140.0	0.00	0.0	696.0	696.0	0.00	572.75
141.0	0.00	0.0	696.0	696.0	0.00	572.75
142.0	0.00	0.0	696.0	696.0	0.00	572.75
143.0	0.00	0.0	696.0	696.0	0.00	572.75
144.0	0.00	0.0	696.0	696.0	0.00	572.75
145.0	0.00	0.0	696.0	696.0	0.00	572.75
146.0	0.00	0.0	696.0	696.0	0.00	572.75
147.0	0.00	0.0	696.0	696.0	0.00	572.75
148.0	0.00	0.0	696.0	696.0	0.00	572.75
149.0	0.00	0.0	696.0	696.0	0.00	572.75
150.0	0.00	0.0	696.0	696.0	0.00	572.75
151.0	0.00	0.0	696.0	696.0	0.00	572.75
152.0	0.00	0.0	696.0	696.0	0.00	572.75
153.0	0.00	0.0	696.0	696.0	0.00	572.75
154.0	0.00	0.0	696.0	696.0	0.00	572.75
155.0	0.00	0.0	696.0	696.0	0.00	572.75
156.0	0.00	0.0	696.0	696.0	0.00	572.75
157.0	0.00	0.0	696.0	696.0	0.00	572.75
158.0	0.00	0.0	696.0	696.0	0.00	572.75
159.0	0.00	0.0	696.0	696.0	0.00	572.75
160.0	0.00	0.0	696.0	696.0	0.00	572.75
161.0	0.00	0.0	696.0	696.0	0.00	572.75
162.0	0.00	0.0	696.0	696.0	0.00	572.75
163.0	0.00	0.0	696.0	696.0	0.00	572.75
164.0	0.00	0.0	696.0	696.0	0.00	572.75
165.0	0.00	0.0	696.0	696.0	0.00	572.75
166.0	0.00	0.0	696.0	696.0	0.00	572.75
167.0	0.00	0.0	696.0	696.0	0.00	572.75
168.0	0.00	0.0	696.0	696.0	0.00	572.75
169.0	0.00	0.0	696.0	696.0	0.00	572.75
170.0	0.00	0.0	696.0	696.0	0.00	572.75
171.0	0.00	0.0	696.0	696.0	0.00	572.75
172.0	0.00	0.0	696.0	696.0	0.00	572.75
173.0	0.00	0.0	696.0	696.0	0.00	572.75
174.0	0.00	0.0	696.0	696.0	0.00	572.75
175.0	0.00	0.0	696.0	696.0	0.00	572.75
176.0	0.00	0.0	696.0	696.0	0.00	572.75
177.0	0.00	0.0	696.0	696.0	0.00	572.75
178.0	0.00	0.0	696.0	696.0	0.00	572.75
179.0	0.00	0.0	696.0	696.0	0.00	572.75
180.0	0.00	0.0	696.0	696.0	0.00	572.75
181.0	0.00	0.0	696.0	696.0	0.00	572.75
182.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	696.0	696.0	0.00	572.75
184.0	0.00	0.0	696.0	696.0	0.00	572.75
185.0	0.00	0.0	696.0	696.0	0.00	572.75
186.0	0.00	0.0	696.0	696.0	0.00	572.75
187.0	0.00	0.0	696.0	696.0	0.00	572.75
188.0	0.00	0.0	696.0	696.0	0.00	572.75
189.0	0.00	0.0	696.0	696.0	0.00	572.75
190.0	0.00	0.0	696.0	696.0	0.00	572.75
191.0	0.00	0.0	696.0	696.0	0.00	572.75
192.0	0.00	0.0	696.0	696.0	0.00	572.75
193.0	0.00	0.0	696.0	696.0	0.00	572.75
194.0	0.00	0.0	696.0	696.0	0.00	572.75
195.0	0.00	0.0	696.0	696.0	0.00	572.75
196.0	0.00	0.0	696.0	696.0	0.00	572.75
197.0	0.00	0.0	696.0	696.0	0.00	572.75
198.0	0.00	0.0	696.0	696.0	0.00	572.75
199.0	0.00	0.0	696.0	696.0	0.00	572.75
200.0	0.00	0.0	696.0	696.0	0.00	572.75
201.0	0.00	0.0	696.0	696.0	0.00	572.75
202.0	0.00	0.0	696.0	696.0	0.00	572.75
203.0	0.00	0.0	696.0	696.0	0.00	572.75
204.0	0.00	0.0	696.0	696.0	0.00	572.75
205.0	0.00	0.0	696.0	696.0	0.00	572.75
206.0	0.00	0.0	696.0	696.0	0.00	572.75
207.0	0.00	0.0	696.0	696.0	0.00	572.75
208.0	0.00	0.0	696.0	696.0	0.00	572.75
209.0	0.00	0.0	696.0	696.0	0.00	572.75
210.0	0.00	0.0	696.0	696.0	0.00	572.75
211.0	0.00	0.0	696.0	696.0	0.00	572.75
212.0	0.00	0.0	696.0	696.0	0.00	572.75
213.0	0.00	0.0	696.0	696.0	0.00	572.75
214.0	0.00	0.0	696.0	696.0	0.00	572.75
215.0	0.00	0.0	696.0	696.0	0.00	572.75
216.0	0.00	0.0	696.0	696.0	0.00	572.75
217.0	0.00	0.0	696.0	696.0	0.00	572.75
218.0	0.00	0.0	696.0	696.0	0.00	572.75
219.0	0.00	0.0	696.0	696.0	0.00	572.75
220.0	0.00	0.0	696.0	696.0	0.00	572.75
221.0	0.00	0.0	696.0	696.0	0.00	572.75
222.0	0.00	0.0	696.0	696.0	0.00	572.75
223.0	0.00	0.0	696.0	696.0	0.00	572.75
224.0	0.00	0.0	696.0	696.0	0.00	572.75
225.0	0.00	0.0	696.0	696.0	0.00	572.75
226.0	0.00	0.0	696.0	696.0	0.00	572.75
227.0	0.00	0.0	696.0	696.0	0.00	572.75
228.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	696.0	696.0	0.00	572.75
230.0	0.00	0.0	696.0	696.0	0.00	572.75
231.0	0.00	0.0	696.0	696.0	0.00	572.75
232.0	0.00	0.0	696.0	696.0	0.00	572.75
233.0	0.00	0.0	696.0	696.0	0.00	572.75
234.0	0.00	0.0	696.0	696.0	0.00	572.75
235.0	0.00	0.0	696.0	696.0	0.00	572.75
236.0	0.00	0.0	696.0	696.0	0.00	572.75
237.0	0.00	0.0	696.0	696.0	0.00	572.75
238.0	0.00	0.0	696.0	696.0	0.00	572.75
239.0	0.00	0.0	696.0	696.0	0.00	572.75
240.0	0.00	0.0	696.0	696.0	0.00	572.75
241.0	0.00	0.0	696.0	696.0	0.00	572.75
242.0	0.00	0.0	696.0	696.0	0.00	572.75
243.0	0.00	0.0	696.0	696.0	0.00	572.75
244.0	0.00	0.0	696.0	696.0	0.00	572.75
245.0	0.00	0.0	696.0	696.0	0.00	572.75
246.0	0.00	0.0	696.0	696.0	0.00	572.75
247.0	0.00	0.0	696.0	696.0	0.00	572.75
248.0	0.00	0.0	696.0	696.0	0.00	572.75
249.0	0.00	0.0	696.0	696.0	0.00	572.75
250.0	0.00	0.0	696.0	696.0	0.00	572.75
251.0	0.00	0.0	696.0	696.0	0.00	572.75
252.0	0.00	0.0	696.0	696.0	0.00	572.75
253.0	0.00	0.0	696.0	696.0	0.00	572.75
254.0	0.00	0.0	696.0	696.0	0.00	572.75
255.0	0.00	0.0	696.0	696.0	0.00	572.75
256.0	0.00	0.0	696.0	696.0	0.00	572.75
257.0	0.00	0.0	696.0	696.0	0.00	572.75
258.0	0.00	0.0	696.0	696.0	0.00	572.75
259.0	0.00	0.0	696.0	696.0	0.00	572.75
260.0	0.00	0.0	696.0	696.0	0.00	572.75
261.0	0.00	0.0	696.0	696.0	0.00	572.75
262.0	0.00	0.0	696.0	696.0	0.00	572.75
263.0	0.00	0.0	696.0	696.0	0.00	572.75
264.0	0.00	0.0	696.0	696.0	0.00	572.75
265.0	0.00	0.0	696.0	696.0	0.00	572.75
266.0	0.00	0.0	696.0	696.0	0.00	572.75
267.0	0.00	0.0	696.0	696.0	0.00	572.75
268.0	0.00	0.0	696.0	696.0	0.00	572.75
269.0	0.00	0.0	696.0	696.0	0.00	572.75
270.0	0.00	0.0	696.0	696.0	0.00	572.75
271.0	0.00	0.0	696.0	696.0	0.00	572.75
272.0	0.00	0.0	696.0	696.0	0.00	572.75
273.0	0.00	0.0	696.0	696.0	0.00	572.75
274.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\15BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB15.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	696.0	696.0	0.00	572.75
276.0	0.00	0.0	696.0	696.0	0.00	572.75
277.0	0.00	0.0	696.0	696.0	0.00	572.75
278.0	0.00	0.0	696.0	696.0	0.00	572.75
279.0	0.00	0.0	696.0	696.0	0.00	572.75
280.0	0.00	0.0	696.0	696.0	0.00	572.75
281.0	0.00	0.0	696.0	696.0	0.00	572.75
282.0	0.00	0.0	696.0	696.0	0.00	572.75
283.0	0.00	0.0	696.0	696.0	0.00	572.75
284.0	0.00	0.0	696.0	696.0	0.00	572.75
285.0	0.00	0.0	696.0	696.0	0.00	572.75
286.0	0.00	0.0	696.0	696.0	0.00	572.75
287.0	0.00	0.0	696.0	696.0	0.00	572.75
288.0	0.00	0.0	696.0	696.0	0.00	572.75
289.0	0.00	0.0	696.0	696.0	0.00	572.75
290.0	0.00	0.0	696.0	696.0	0.00	572.75
291.0	0.00	0.0	696.0	696.0	0.00	572.75
292.0	0.00	0.0	696.0	696.0	0.00	572.75
293.0	0.00	0.0	696.0	696.0	0.00	572.75
294.0	0.00	0.0	696.0	696.0	0.00	572.75
295.0	0.00	0.0	696.0	696.0	0.00	572.75
296.0	0.00	0.0	696.0	696.0	0.00	572.75
297.0	0.00	0.0	696.0	696.0	0.00	572.75
298.0	0.00	0.0	696.0	696.0	0.00	572.75
299.0	0.00	0.0	696.0	696.0	0.00	572.75
300.0	0.00	0.0	696.0	696.0	0.00	572.75
301.0	0.00	0.0	696.0	696.0	0.00	572.75
302.0	0.00	0.0	696.0	696.0	0.00	572.75
303.0	0.00	0.0	696.0	696.0	0.00	572.75

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5AB.PND
Inflow Hydrograph: j:\DATA\0312269\15BASN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA5AB15 .HYD

Starting Pond W.S. Elevation = 572.75 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 20.91 cfs
Peak Outflow = 20.87 cfs
Peak Elevation = 573.41 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 20,880 cu-ft
Peak Storage From Storm = 4,752 cu-ft

Total Storage in Pond = 25,632 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #5
*   BLOCKED LOW FLOW
*
*
*****
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Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Rating Table file: j:\DATA\0312269\BASIN5AB.PND

----INITIAL CONDITIONS----
 Elevation = 572.75 ft
 Outflow = 0.00 cfs
 Storage = 20,880 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.75	0.0	20,880	696.0	696.0
572.95	3.4	22,256	741.9	745.3
573.15	9.7	23,684	789.5	799.2
573.35	17.9	25,163	838.8	856.7
573.55	27.6	26,697	889.9	917.5
573.75	39.7	28,284	942.8	982.5
573.95	47.0	29,927	997.6	1044.6
574.15	53.3	31,624	1054.1	1107.4
574.35	58.9	33,375	1112.5	1171.4
574.55	64.1	35,181	1172.7	1236.8
574.75	68.8	37,042	1234.7	1303.5
574.95	73.3	38,959	1298.6	1371.9
575.00	74.3	39,448	1314.9	1389.2

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	696.0	696.0	0.00	572.75
1.0	2.58	2.6	698.2	698.6	0.18	572.76
2.0	7.74	10.3	706.8	708.5	0.87	572.80
3.0	12.90	20.6	723.1	727.4	2.17	572.88
4.0	18.05	31.0	745.2	754.0	4.43	572.98
5.0	23.21	41.3	770.0	786.5	8.21	573.10
6.0	25.79	49.0	794.0	819.0	12.53	573.22
7.0	25.79	51.6	812.9	845.5	16.31	573.31
8.0	25.79	51.6	826.2	864.5	19.15	573.38
9.0	25.79	51.6	835.2	877.8	21.27	573.42
10.0	25.79	51.6	841.4	886.8	22.71	573.45
11.0	25.79	51.6	845.6	893.0	23.69	573.47
12.0	25.79	51.6	848.5	897.2	24.36	573.48
13.0	25.79	51.6	850.4	900.0	24.82	573.49
14.0	25.79	51.6	851.7	902.0	25.13	573.50
15.0	25.79	51.6	852.6	903.3	25.34	573.50
16.0	25.79	51.6	853.2	904.2	25.48	573.51
17.0	25.79	51.6	853.7	904.8	25.58	573.51
18.0	25.79	51.6	854.0	905.2	25.65	573.51
19.0	25.79	51.6	854.1	905.5	25.69	573.51
20.0	25.79	51.6	854.3	905.7	25.72	573.51
21.0	25.79	51.6	854.4	905.9	25.75	573.51
22.0	23.21	49.0	852.7	903.4	25.35	573.50
23.0	18.05	41.3	846.2	893.9	23.84	573.47
24.0	12.90	31.0	834.8	877.2	21.17	573.42
25.0	7.74	20.6	820.0	855.5	17.73	573.35
26.0	2.58	10.3	802.1	830.3	14.15	573.26
27.0	0.00	2.6	783.7	804.6	10.48	573.17
28.0	0.00	0.0	767.9	783.7	7.89	573.09
29.0	0.00	0.0	755.8	767.9	6.04	573.03
30.0	0.00	0.0	746.5	755.8	4.63	572.99
31.0	0.00	0.0	739.4	746.5	3.55	572.95
32.0	0.00	0.0	733.4	739.4	3.00	572.93
33.0	0.00	0.0	728.3	733.4	2.58	572.90
34.0	0.00	0.0	723.8	728.3	2.23	572.88
35.0	0.00	0.0	720.0	723.8	1.92	572.86
36.0	0.00	0.0	716.7	720.0	1.66	572.85
37.0	0.00	0.0	713.8	716.7	1.43	572.83
38.0	0.00	0.0	711.4	713.8	1.23	572.82
39.0	0.00	0.0	709.2	711.4	1.06	572.81
40.0	0.00	0.0	707.4	709.2	0.91	572.80
41.0	0.00	0.0	705.8	707.4	0.79	572.80
42.0	0.00	0.0	704.5	705.8	0.68	572.79
43.0	0.00	0.0	703.3	704.5	0.59	572.78
44.0	0.00	0.0	702.3	703.3	0.50	572.78

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	701.4	702.3	0.44	572.78
46.0	0.00	0.0	700.7	701.4	0.38	572.77
47.0	0.00	0.0	700.0	700.7	0.32	572.77
48.0	0.00	0.0	699.5	700.0	0.28	572.77
49.0	0.00	0.0	699.0	699.5	0.24	572.76
50.0	0.00	0.0	698.6	699.0	0.21	572.76
51.0	0.00	0.0	698.2	698.6	0.18	572.76
52.0	0.00	0.0	697.9	698.2	0.15	572.76
53.0	0.00	0.0	697.6	697.9	0.13	572.76
54.0	0.00	0.0	697.4	697.6	0.11	572.76
55.0	0.00	0.0	697.2	697.4	0.10	572.76
56.0	0.00	0.0	697.0	697.2	0.08	572.75
57.0	0.00	0.0	696.9	697.0	0.07	572.75
58.0	0.00	0.0	696.8	696.9	0.06	572.75
59.0	0.00	0.0	696.7	696.8	0.05	572.75
60.0	0.00	0.0	696.6	696.7	0.05	572.75
61.0	0.00	0.0	696.5	696.6	0.04	572.75
62.0	0.00	0.0	696.4	696.5	0.03	572.75
63.0	0.00	0.0	696.4	696.4	0.03	572.75
64.0	0.00	0.0	696.3	696.4	0.03	572.75
65.0	0.00	0.0	696.3	696.3	0.02	572.75
66.0	0.00	0.0	696.2	696.3	0.02	572.75
67.0	0.00	0.0	696.2	696.2	0.02	572.75
68.0	0.00	0.0	696.2	696.2	0.01	572.75
69.0	0.00	0.0	696.1	696.2	0.01	572.75
70.0	0.00	0.0	696.1	696.1	0.01	572.75
71.0	0.00	0.0	696.1	696.1	0.01	572.75
72.0	0.00	0.0	696.1	696.1	0.01	572.75
73.0	0.00	0.0	696.1	696.1	0.01	572.75
74.0	0.00	0.0	696.1	696.1	0.01	572.75
75.0	0.00	0.0	696.0	696.1	0.01	572.75
76.0	0.00	0.0	696.0	696.0	0.00	572.75
77.0	0.00	0.0	696.0	696.0	0.00	572.75
78.0	0.00	0.0	696.0	696.0	0.00	572.75
79.0	0.00	0.0	696.0	696.0	0.00	572.75
80.0	0.00	0.0	696.0	696.0	0.00	572.75
81.0	0.00	0.0	696.0	696.0	0.00	572.75
82.0	0.00	0.0	696.0	696.0	0.00	572.75
83.0	0.00	0.0	696.0	696.0	0.00	572.75
84.0	0.00	0.0	696.0	696.0	0.00	572.75
85.0	0.00	0.0	696.0	696.0	0.00	572.75
86.0	0.00	0.0	696.0	696.0	0.00	572.75
87.0	0.00	0.0	696.0	696.0	0.00	572.75
88.0	0.00	0.0	696.0	696.0	0.00	572.75
89.0	0.00	0.0	696.0	696.0	0.00	572.75
90.0	0.00	0.0	696.0	696.0	0.00	572.75

and File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	696.0	696.0	0.00	572.75
92.0	0.00	0.0	696.0	696.0	0.00	572.75
93.0	0.00	0.0	696.0	696.0	0.00	572.75
94.0	0.00	0.0	696.0	696.0	0.00	572.75
95.0	0.00	0.0	696.0	696.0	0.00	572.75
96.0	0.00	0.0	696.0	696.0	0.00	572.75
97.0	0.00	0.0	696.0	696.0	0.00	572.75
98.0	0.00	0.0	696.0	696.0	0.00	572.75
99.0	0.00	0.0	696.0	696.0	0.00	572.75
100.0	0.00	0.0	696.0	696.0	0.00	572.75
101.0	0.00	0.0	696.0	696.0	0.00	572.75
102.0	0.00	0.0	696.0	696.0	0.00	572.75
103.0	0.00	0.0	696.0	696.0	0.00	572.75
104.0	0.00	0.0	696.0	696.0	0.00	572.75
105.0	0.00	0.0	696.0	696.0	0.00	572.75
106.0	0.00	0.0	696.0	696.0	0.00	572.75
107.0	0.00	0.0	696.0	696.0	0.00	572.75
108.0	0.00	0.0	696.0	696.0	0.00	572.75
109.0	0.00	0.0	696.0	696.0	0.00	572.75
110.0	0.00	0.0	696.0	696.0	0.00	572.75
111.0	0.00	0.0	696.0	696.0	0.00	572.75
112.0	0.00	0.0	696.0	696.0	0.00	572.75
113.0	0.00	0.0	696.0	696.0	0.00	572.75
114.0	0.00	0.0	696.0	696.0	0.00	572.75
115.0	0.00	0.0	696.0	696.0	0.00	572.75
116.0	0.00	0.0	696.0	696.0	0.00	572.75
117.0	0.00	0.0	696.0	696.0	0.00	572.75
118.0	0.00	0.0	696.0	696.0	0.00	572.75
119.0	0.00	0.0	696.0	696.0	0.00	572.75
120.0	0.00	0.0	696.0	696.0	0.00	572.75
121.0	0.00	0.0	696.0	696.0	0.00	572.75
122.0	0.00	0.0	696.0	696.0	0.00	572.75
123.0	0.00	0.0	696.0	696.0	0.00	572.75
124.0	0.00	0.0	696.0	696.0	0.00	572.75
125.0	0.00	0.0	696.0	696.0	0.00	572.75
126.0	0.00	0.0	696.0	696.0	0.00	572.75
127.0	0.00	0.0	696.0	696.0	0.00	572.75
128.0	0.00	0.0	696.0	696.0	0.00	572.75
129.0	0.00	0.0	696.0	696.0	0.00	572.75
130.0	0.00	0.0	696.0	696.0	0.00	572.75
131.0	0.00	0.0	696.0	696.0	0.00	572.75
132.0	0.00	0.0	696.0	696.0	0.00	572.75
133.0	0.00	0.0	696.0	696.0	0.00	572.75
134.0	0.00	0.0	696.0	696.0	0.00	572.75
135.0	0.00	0.0	696.0	696.0	0.00	572.75
136.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	696.0	696.0	0.00	572.75
138.0	0.00	0.0	696.0	696.0	0.00	572.75
139.0	0.00	0.0	696.0	696.0	0.00	572.75
140.0	0.00	0.0	696.0	696.0	0.00	572.75
141.0	0.00	0.0	696.0	696.0	0.00	572.75
142.0	0.00	0.0	696.0	696.0	0.00	572.75
143.0	0.00	0.0	696.0	696.0	0.00	572.75
144.0	0.00	0.0	696.0	696.0	0.00	572.75
145.0	0.00	0.0	696.0	696.0	0.00	572.75
146.0	0.00	0.0	696.0	696.0	0.00	572.75
147.0	0.00	0.0	696.0	696.0	0.00	572.75
148.0	0.00	0.0	696.0	696.0	0.00	572.75
149.0	0.00	0.0	696.0	696.0	0.00	572.75
150.0	0.00	0.0	696.0	696.0	0.00	572.75
151.0	0.00	0.0	696.0	696.0	0.00	572.75
152.0	0.00	0.0	696.0	696.0	0.00	572.75
153.0	0.00	0.0	696.0	696.0	0.00	572.75
154.0	0.00	0.0	696.0	696.0	0.00	572.75
155.0	0.00	0.0	696.0	696.0	0.00	572.75
156.0	0.00	0.0	696.0	696.0	0.00	572.75
157.0	0.00	0.0	696.0	696.0	0.00	572.75
158.0	0.00	0.0	696.0	696.0	0.00	572.75
159.0	0.00	0.0	696.0	696.0	0.00	572.75
160.0	0.00	0.0	696.0	696.0	0.00	572.75
161.0	0.00	0.0	696.0	696.0	0.00	572.75
162.0	0.00	0.0	696.0	696.0	0.00	572.75
163.0	0.00	0.0	696.0	696.0	0.00	572.75
164.0	0.00	0.0	696.0	696.0	0.00	572.75
165.0	0.00	0.0	696.0	696.0	0.00	572.75
166.0	0.00	0.0	696.0	696.0	0.00	572.75
167.0	0.00	0.0	696.0	696.0	0.00	572.75
168.0	0.00	0.0	696.0	696.0	0.00	572.75
169.0	0.00	0.0	696.0	696.0	0.00	572.75
170.0	0.00	0.0	696.0	696.0	0.00	572.75
171.0	0.00	0.0	696.0	696.0	0.00	572.75
172.0	0.00	0.0	696.0	696.0	0.00	572.75
173.0	0.00	0.0	696.0	696.0	0.00	572.75
174.0	0.00	0.0	696.0	696.0	0.00	572.75
175.0	0.00	0.0	696.0	696.0	0.00	572.75
176.0	0.00	0.0	696.0	696.0	0.00	572.75
177.0	0.00	0.0	696.0	696.0	0.00	572.75
178.0	0.00	0.0	696.0	696.0	0.00	572.75
179.0	0.00	0.0	696.0	696.0	0.00	572.75
180.0	0.00	0.0	696.0	696.0	0.00	572.75
181.0	0.00	0.0	696.0	696.0	0.00	572.75
182.0	0.00	0.0	696.0	696.0	0.00	572.75

Pond File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	696.0	696.0	0.00	572.75
184.0	0.00	0.0	696.0	696.0	0.00	572.75
185.0	0.00	0.0	696.0	696.0	0.00	572.75
186.0	0.00	0.0	696.0	696.0	0.00	572.75
187.0	0.00	0.0	696.0	696.0	0.00	572.75
188.0	0.00	0.0	696.0	696.0	0.00	572.75
189.0	0.00	0.0	696.0	696.0	0.00	572.75
190.0	0.00	0.0	696.0	696.0	0.00	572.75
191.0	0.00	0.0	696.0	696.0	0.00	572.75
192.0	0.00	0.0	696.0	696.0	0.00	572.75
193.0	0.00	0.0	696.0	696.0	0.00	572.75
194.0	0.00	0.0	696.0	696.0	0.00	572.75
195.0	0.00	0.0	696.0	696.0	0.00	572.75
196.0	0.00	0.0	696.0	696.0	0.00	572.75
197.0	0.00	0.0	696.0	696.0	0.00	572.75
198.0	0.00	0.0	696.0	696.0	0.00	572.75
199.0	0.00	0.0	696.0	696.0	0.00	572.75
200.0	0.00	0.0	696.0	696.0	0.00	572.75
201.0	0.00	0.0	696.0	696.0	0.00	572.75
202.0	0.00	0.0	696.0	696.0	0.00	572.75
203.0	0.00	0.0	696.0	696.0	0.00	572.75
204.0	0.00	0.0	696.0	696.0	0.00	572.75
205.0	0.00	0.0	696.0	696.0	0.00	572.75
206.0	0.00	0.0	696.0	696.0	0.00	572.75
207.0	0.00	0.0	696.0	696.0	0.00	572.75
208.0	0.00	0.0	696.0	696.0	0.00	572.75
209.0	0.00	0.0	696.0	696.0	0.00	572.75
210.0	0.00	0.0	696.0	696.0	0.00	572.75
211.0	0.00	0.0	696.0	696.0	0.00	572.75
212.0	0.00	0.0	696.0	696.0	0.00	572.75
213.0	0.00	0.0	696.0	696.0	0.00	572.75
214.0	0.00	0.0	696.0	696.0	0.00	572.75
215.0	0.00	0.0	696.0	696.0	0.00	572.75
216.0	0.00	0.0	696.0	696.0	0.00	572.75
217.0	0.00	0.0	696.0	696.0	0.00	572.75
218.0	0.00	0.0	696.0	696.0	0.00	572.75
219.0	0.00	0.0	696.0	696.0	0.00	572.75
220.0	0.00	0.0	696.0	696.0	0.00	572.75
221.0	0.00	0.0	696.0	696.0	0.00	572.75
222.0	0.00	0.0	696.0	696.0	0.00	572.75
223.0	0.00	0.0	696.0	696.0	0.00	572.75
224.0	0.00	0.0	696.0	696.0	0.00	572.75
225.0	0.00	0.0	696.0	696.0	0.00	572.75
226.0	0.00	0.0	696.0	696.0	0.00	572.75
227.0	0.00	0.0	696.0	696.0	0.00	572.75
228.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	696.0	696.0	0.00	572.75
230.0	0.00	0.0	696.0	696.0	0.00	572.75
231.0	0.00	0.0	696.0	696.0	0.00	572.75
232.0	0.00	0.0	696.0	696.0	0.00	572.75
233.0	0.00	0.0	696.0	696.0	0.00	572.75
234.0	0.00	0.0	696.0	696.0	0.00	572.75
235.0	0.00	0.0	696.0	696.0	0.00	572.75
236.0	0.00	0.0	696.0	696.0	0.00	572.75
237.0	0.00	0.0	696.0	696.0	0.00	572.75
238.0	0.00	0.0	696.0	696.0	0.00	572.75
239.0	0.00	0.0	696.0	696.0	0.00	572.75
240.0	0.00	0.0	696.0	696.0	0.00	572.75
241.0	0.00	0.0	696.0	696.0	0.00	572.75
242.0	0.00	0.0	696.0	696.0	0.00	572.75
243.0	0.00	0.0	696.0	696.0	0.00	572.75
244.0	0.00	0.0	696.0	696.0	0.00	572.75
245.0	0.00	0.0	696.0	696.0	0.00	572.75
246.0	0.00	0.0	696.0	696.0	0.00	572.75
247.0	0.00	0.0	696.0	696.0	0.00	572.75
248.0	0.00	0.0	696.0	696.0	0.00	572.75
249.0	0.00	0.0	696.0	696.0	0.00	572.75
250.0	0.00	0.0	696.0	696.0	0.00	572.75
251.0	0.00	0.0	696.0	696.0	0.00	572.75
252.0	0.00	0.0	696.0	696.0	0.00	572.75
253.0	0.00	0.0	696.0	696.0	0.00	572.75
254.0	0.00	0.0	696.0	696.0	0.00	572.75
255.0	0.00	0.0	696.0	696.0	0.00	572.75
256.0	0.00	0.0	696.0	696.0	0.00	572.75
257.0	0.00	0.0	696.0	696.0	0.00	572.75
258.0	0.00	0.0	696.0	696.0	0.00	572.75
259.0	0.00	0.0	696.0	696.0	0.00	572.75
260.0	0.00	0.0	696.0	696.0	0.00	572.75
261.0	0.00	0.0	696.0	696.0	0.00	572.75
262.0	0.00	0.0	696.0	696.0	0.00	572.75
263.0	0.00	0.0	696.0	696.0	0.00	572.75
264.0	0.00	0.0	696.0	696.0	0.00	572.75
265.0	0.00	0.0	696.0	696.0	0.00	572.75
266.0	0.00	0.0	696.0	696.0	0.00	572.75
267.0	0.00	0.0	696.0	696.0	0.00	572.75
268.0	0.00	0.0	696.0	696.0	0.00	572.75
269.0	0.00	0.0	696.0	696.0	0.00	572.75
270.0	0.00	0.0	696.0	696.0	0.00	572.75
271.0	0.00	0.0	696.0	696.0	0.00	572.75
272.0	0.00	0.0	696.0	696.0	0.00	572.75
273.0	0.00	0.0	696.0	696.0	0.00	572.75
274.0	0.00	0.0	696.0	696.0	0.00	572.75

nd File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	696.0	696.0	0.00	572.75
276.0	0.00	0.0	696.0	696.0	0.00	572.75
277.0	0.00	0.0	696.0	696.0	0.00	572.75
278.0	0.00	0.0	696.0	696.0	0.00	572.75
279.0	0.00	0.0	696.0	696.0	0.00	572.75
280.0	0.00	0.0	696.0	696.0	0.00	572.75
281.0	0.00	0.0	696.0	696.0	0.00	572.75
282.0	0.00	0.0	696.0	696.0	0.00	572.75
283.0	0.00	0.0	696.0	696.0	0.00	572.75
284.0	0.00	0.0	696.0	696.0	0.00	572.75
285.0	0.00	0.0	696.0	696.0	0.00	572.75
286.0	0.00	0.0	696.0	696.0	0.00	572.75
287.0	0.00	0.0	696.0	696.0	0.00	572.75
288.0	0.00	0.0	696.0	696.0	0.00	572.75
289.0	0.00	0.0	696.0	696.0	0.00	572.75
290.0	0.00	0.0	696.0	696.0	0.00	572.75
291.0	0.00	0.0	696.0	696.0	0.00	572.75
292.0	0.00	0.0	696.0	696.0	0.00	572.75
293.0	0.00	0.0	696.0	696.0	0.00	572.75
294.0	0.00	0.0	696.0	696.0	0.00	572.75
295.0	0.00	0.0	696.0	696.0	0.00	572.75
296.0	0.00	0.0	696.0	696.0	0.00	572.75
297.0	0.00	0.0	696.0	696.0	0.00	572.75
298.0	0.00	0.0	696.0	696.0	0.00	572.75
299.0	0.00	0.0	696.0	696.0	0.00	572.75
300.0	0.00	0.0	696.0	696.0	0.00	572.75
301.0	0.00	0.0	696.0	696.0	0.00	572.75
302.0	0.00	0.0	696.0	696.0	0.00	572.75
303.0	0.00	0.0	696.0	696.0	0.00	572.75

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5AB.PND
Inflow Hydrograph: j:\DATA\0312269\25BASIN5 .HYD
Outflow Hydrograph: j:\DATA\0312269\BA5AB25 .HYD

Starting Pond W.S. Elevation = 572.75 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 25.79 cfs
Peak Outflow = 25.75 cfs
Peak Elevation = 573.51 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 20,880 cu-ft
Peak Storage From Storm = 5,524 cu-ft

Total Storage in Pond = 26,404 cu-ft

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*****
*
*   THE VILLAGES @ SPRINGHURST
*   DETENTION BASIN #5
*   BLOCKED LOW FLOW
*
*
*****
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Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Rating Table file: j:\DATA\0312269\BASIN5AB.PND

----INITIAL CONDITIONS----
 Elevation = 572.75 ft
 Outflow = 0.00 cfs
 Storage = 20,880 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
572.75	0.0	20,880	696.0	696.0
572.95	3.4	22,256	741.9	745.3
573.15	9.7	23,684	789.5	799.2
573.35	17.9	25,163	838.8	856.7
573.55	27.6	26,697	889.9	917.5
573.75	39.7	28,284	942.8	982.5
573.95	47.0	29,927	997.6	1044.6
574.15	53.3	31,624	1054.1	1107.4
574.35	58.9	33,375	1112.5	1171.4
574.55	64.1	35,181	1172.7	1236.8
574.75	68.8	37,042	1234.7	1303.5
574.95	73.3	38,959	1298.6	1371.9
575.00	74.3	39,448	1314.9	1389.2

Time increment (t) = 1.0 min.

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	696.0	696.0	0.00	572.75
1.0	3.31	3.3	698.8	699.3	0.23	572.76
2.0	9.93	13.2	709.9	712.1	1.11	572.82
3.0	16.56	26.5	730.8	736.3	2.78	572.91
4.0	23.18	39.7	757.8	770.5	6.35	573.04
5.0	29.80	53.0	788.1	810.8	11.36	573.19
6.0	33.11	62.9	816.8	851.0	17.09	573.33
7.0	33.11	66.2	838.8	883.0	22.10	573.44
8.0	33.11	66.2	853.8	905.0	25.62	573.51
9.0	33.11	66.2	863.9	920.0	28.07	573.56
10.0	33.11	66.2	870.2	930.1	29.95	573.59
11.0	33.11	66.2	874.2	936.4	31.13	573.61
12.0	33.11	66.2	876.7	940.4	31.86	573.62
13.0	33.11	66.2	878.2	942.9	32.33	573.63
14.0	33.11	66.2	879.2	944.5	32.62	573.63
15.0	33.11	66.2	879.8	945.4	32.80	573.64
16.0	33.11	66.2	880.2	946.1	32.92	573.64
17.0	33.11	66.2	880.5	946.4	32.99	573.64
18.0	33.11	66.2	880.6	946.7	33.03	573.64
19.0	33.11	66.2	880.7	946.8	33.06	573.64
20.0	33.11	66.2	880.8	946.9	33.08	573.64
21.0	33.11	66.2	880.8	947.0	33.09	573.64
22.0	29.80	62.9	878.8	943.7	32.48	573.63
23.0	23.18	53.0	871.2	931.7	30.25	573.59
24.0	16.56	39.7	857.8	911.0	26.56	573.53
25.0	9.93	26.5	839.7	884.3	22.31	573.44
26.0	3.31	13.2	818.2	853.0	17.37	573.34
27.0	0.00	3.3	795.7	821.5	12.89	573.23
28.0	0.00	0.0	777.1	795.7	9.30	573.14
29.0	0.00	0.0	762.9	777.1	7.13	573.07
30.0	0.00	0.0	752.0	762.9	5.46	573.02
31.0	0.00	0.0	743.6	752.0	4.18	572.97
32.0	0.00	0.0	737.0	743.6	3.29	572.94
33.0	0.00	0.0	731.4	737.0	2.83	572.92
34.0	0.00	0.0	726.5	731.4	2.44	572.89
35.0	0.00	0.0	722.3	726.5	2.10	572.87
36.0	0.00	0.0	718.7	722.3	1.81	572.86
37.0	0.00	0.0	715.5	718.7	1.56	572.84
38.0	0.00	0.0	712.8	715.5	1.35	572.83
39.0	0.00	0.0	710.5	712.8	1.16	572.82
40.0	0.00	0.0	708.5	710.5	1.00	572.81
41.0	0.00	0.0	706.8	708.5	0.86	572.80
42.0	0.00	0.0	705.3	706.8	0.74	572.79
43.0	0.00	0.0	704.0	705.3	0.64	572.79
44.0	0.00	0.0	702.9	704.0	0.55	572.78

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
45.0	0.00	0.0	701.9	702.9	0.48	572.78
46.0	0.00	0.0	701.1	701.9	0.41	572.77
47.0	0.00	0.0	700.4	701.1	0.35	572.77
48.0	0.00	0.0	699.8	700.4	0.31	572.77
49.0	0.00	0.0	699.3	699.8	0.26	572.77
50.0	0.00	0.0	698.8	699.3	0.23	572.76
51.0	0.00	0.0	698.4	698.8	0.20	572.76
52.0	0.00	0.0	698.1	698.4	0.17	572.76
53.0	0.00	0.0	697.8	698.1	0.15	572.76
54.0	0.00	0.0	697.6	697.8	0.13	572.76
55.0	0.00	0.0	697.3	697.6	0.11	572.76
56.0	0.00	0.0	697.1	697.3	0.09	572.76
57.0	0.00	0.0	697.0	697.1	0.08	572.75
58.0	0.00	0.0	696.9	697.0	0.07	572.75
59.0	0.00	0.0	696.7	696.9	0.06	572.75
60.0	0.00	0.0	696.6	696.7	0.05	572.75
61.0	0.00	0.0	696.5	696.6	0.04	572.75
62.0	0.00	0.0	696.5	696.5	0.04	572.75
63.0	0.00	0.0	696.4	696.5	0.03	572.75
64.0	0.00	0.0	696.3	696.4	0.03	572.75
65.0	0.00	0.0	696.3	696.3	0.02	572.75
66.0	0.00	0.0	696.2	696.3	0.02	572.75
67.0	0.00	0.0	696.2	696.2	0.02	572.75
68.0	0.00	0.0	696.2	696.2	0.02	572.75
69.0	0.00	0.0	696.2	696.2	0.01	572.75
70.0	0.00	0.0	696.1	696.2	0.01	572.75
71.0	0.00	0.0	696.1	696.1	0.01	572.75
72.0	0.00	0.0	696.1	696.1	0.01	572.75
73.0	0.00	0.0	696.1	696.1	0.01	572.75
74.0	0.00	0.0	696.1	696.1	0.01	572.75
75.0	0.00	0.0	696.1	696.1	0.01	572.75
76.0	0.00	0.0	696.0	696.1	0.00	572.75
77.0	0.00	0.0	696.0	696.0	0.00	572.75
78.0	0.00	0.0	696.0	696.0	0.00	572.75
79.0	0.00	0.0	696.0	696.0	0.00	572.75
80.0	0.00	0.0	696.0	696.0	0.00	572.75
81.0	0.00	0.0	696.0	696.0	0.00	572.75
82.0	0.00	0.0	696.0	696.0	0.00	572.75
83.0	0.00	0.0	696.0	696.0	0.00	572.75
84.0	0.00	0.0	696.0	696.0	0.00	572.75
85.0	0.00	0.0	696.0	696.0	0.00	572.75
86.0	0.00	0.0	696.0	696.0	0.00	572.75
87.0	0.00	0.0	696.0	696.0	0.00	572.75
88.0	0.00	0.0	696.0	696.0	0.00	572.75
89.0	0.00	0.0	696.0	696.0	0.00	572.75
90.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
91.0	0.00	0.0	696.0	696.0	0.00	572.75
92.0	0.00	0.0	696.0	696.0	0.00	572.75
93.0	0.00	0.0	696.0	696.0	0.00	572.75
94.0	0.00	0.0	696.0	696.0	0.00	572.75
95.0	0.00	0.0	696.0	696.0	0.00	572.75
96.0	0.00	0.0	696.0	696.0	0.00	572.75
97.0	0.00	0.0	696.0	696.0	0.00	572.75
98.0	0.00	0.0	696.0	696.0	0.00	572.75
99.0	0.00	0.0	696.0	696.0	0.00	572.75
100.0	0.00	0.0	696.0	696.0	0.00	572.75
101.0	0.00	0.0	696.0	696.0	0.00	572.75
102.0	0.00	0.0	696.0	696.0	0.00	572.75
103.0	0.00	0.0	696.0	696.0	0.00	572.75
104.0	0.00	0.0	696.0	696.0	0.00	572.75
105.0	0.00	0.0	696.0	696.0	0.00	572.75
106.0	0.00	0.0	696.0	696.0	0.00	572.75
107.0	0.00	0.0	696.0	696.0	0.00	572.75
108.0	0.00	0.0	696.0	696.0	0.00	572.75
109.0	0.00	0.0	696.0	696.0	0.00	572.75
110.0	0.00	0.0	696.0	696.0	0.00	572.75
111.0	0.00	0.0	696.0	696.0	0.00	572.75
112.0	0.00	0.0	696.0	696.0	0.00	572.75
113.0	0.00	0.0	696.0	696.0	0.00	572.75
114.0	0.00	0.0	696.0	696.0	0.00	572.75
115.0	0.00	0.0	696.0	696.0	0.00	572.75
116.0	0.00	0.0	696.0	696.0	0.00	572.75
117.0	0.00	0.0	696.0	696.0	0.00	572.75
118.0	0.00	0.0	696.0	696.0	0.00	572.75
119.0	0.00	0.0	696.0	696.0	0.00	572.75
120.0	0.00	0.0	696.0	696.0	0.00	572.75
121.0	0.00	0.0	696.0	696.0	0.00	572.75
122.0	0.00	0.0	696.0	696.0	0.00	572.75
123.0	0.00	0.0	696.0	696.0	0.00	572.75
124.0	0.00	0.0	696.0	696.0	0.00	572.75
125.0	0.00	0.0	696.0	696.0	0.00	572.75
126.0	0.00	0.0	696.0	696.0	0.00	572.75
127.0	0.00	0.0	696.0	696.0	0.00	572.75
128.0	0.00	0.0	696.0	696.0	0.00	572.75
129.0	0.00	0.0	696.0	696.0	0.00	572.75
130.0	0.00	0.0	696.0	696.0	0.00	572.75
131.0	0.00	0.0	696.0	696.0	0.00	572.75
132.0	0.00	0.0	696.0	696.0	0.00	572.75
133.0	0.00	0.0	696.0	696.0	0.00	572.75
134.0	0.00	0.0	696.0	696.0	0.00	572.75
135.0	0.00	0.0	696.0	696.0	0.00	572.75
136.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
137.0	0.00	0.0	696.0	696.0	0.00	572.75
138.0	0.00	0.0	696.0	696.0	0.00	572.75
139.0	0.00	0.0	696.0	696.0	0.00	572.75
140.0	0.00	0.0	696.0	696.0	0.00	572.75
141.0	0.00	0.0	696.0	696.0	0.00	572.75
142.0	0.00	0.0	696.0	696.0	0.00	572.75
143.0	0.00	0.0	696.0	696.0	0.00	572.75
144.0	0.00	0.0	696.0	696.0	0.00	572.75
145.0	0.00	0.0	696.0	696.0	0.00	572.75
146.0	0.00	0.0	696.0	696.0	0.00	572.75
147.0	0.00	0.0	696.0	696.0	0.00	572.75
148.0	0.00	0.0	696.0	696.0	0.00	572.75
149.0	0.00	0.0	696.0	696.0	0.00	572.75
150.0	0.00	0.0	696.0	696.0	0.00	572.75
151.0	0.00	0.0	696.0	696.0	0.00	572.75
152.0	0.00	0.0	696.0	696.0	0.00	572.75
153.0	0.00	0.0	696.0	696.0	0.00	572.75
154.0	0.00	0.0	696.0	696.0	0.00	572.75
155.0	0.00	0.0	696.0	696.0	0.00	572.75
156.0	0.00	0.0	696.0	696.0	0.00	572.75
157.0	0.00	0.0	696.0	696.0	0.00	572.75
158.0	0.00	0.0	696.0	696.0	0.00	572.75
159.0	0.00	0.0	696.0	696.0	0.00	572.75
160.0	0.00	0.0	696.0	696.0	0.00	572.75
161.0	0.00	0.0	696.0	696.0	0.00	572.75
162.0	0.00	0.0	696.0	696.0	0.00	572.75
163.0	0.00	0.0	696.0	696.0	0.00	572.75
164.0	0.00	0.0	696.0	696.0	0.00	572.75
165.0	0.00	0.0	696.0	696.0	0.00	572.75
166.0	0.00	0.0	696.0	696.0	0.00	572.75
167.0	0.00	0.0	696.0	696.0	0.00	572.75
168.0	0.00	0.0	696.0	696.0	0.00	572.75
169.0	0.00	0.0	696.0	696.0	0.00	572.75
170.0	0.00	0.0	696.0	696.0	0.00	572.75
171.0	0.00	0.0	696.0	696.0	0.00	572.75
172.0	0.00	0.0	696.0	696.0	0.00	572.75
173.0	0.00	0.0	696.0	696.0	0.00	572.75
174.0	0.00	0.0	696.0	696.0	0.00	572.75
175.0	0.00	0.0	696.0	696.0	0.00	572.75
176.0	0.00	0.0	696.0	696.0	0.00	572.75
177.0	0.00	0.0	696.0	696.0	0.00	572.75
178.0	0.00	0.0	696.0	696.0	0.00	572.75
179.0	0.00	0.0	696.0	696.0	0.00	572.75
180.0	0.00	0.0	696.0	696.0	0.00	572.75
181.0	0.00	0.0	696.0	696.0	0.00	572.75
182.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
183.0	0.00	0.0	696.0	696.0	0.00	572.75
184.0	0.00	0.0	696.0	696.0	0.00	572.75
185.0	0.00	0.0	696.0	696.0	0.00	572.75
186.0	0.00	0.0	696.0	696.0	0.00	572.75
187.0	0.00	0.0	696.0	696.0	0.00	572.75
188.0	0.00	0.0	696.0	696.0	0.00	572.75
189.0	0.00	0.0	696.0	696.0	0.00	572.75
190.0	0.00	0.0	696.0	696.0	0.00	572.75
191.0	0.00	0.0	696.0	696.0	0.00	572.75
192.0	0.00	0.0	696.0	696.0	0.00	572.75
193.0	0.00	0.0	696.0	696.0	0.00	572.75
194.0	0.00	0.0	696.0	696.0	0.00	572.75
195.0	0.00	0.0	696.0	696.0	0.00	572.75
196.0	0.00	0.0	696.0	696.0	0.00	572.75
197.0	0.00	0.0	696.0	696.0	0.00	572.75
198.0	0.00	0.0	696.0	696.0	0.00	572.75
199.0	0.00	0.0	696.0	696.0	0.00	572.75
200.0	0.00	0.0	696.0	696.0	0.00	572.75
201.0	0.00	0.0	696.0	696.0	0.00	572.75
202.0	0.00	0.0	696.0	696.0	0.00	572.75
203.0	0.00	0.0	696.0	696.0	0.00	572.75
204.0	0.00	0.0	696.0	696.0	0.00	572.75
205.0	0.00	0.0	696.0	696.0	0.00	572.75
206.0	0.00	0.0	696.0	696.0	0.00	572.75
207.0	0.00	0.0	696.0	696.0	0.00	572.75
208.0	0.00	0.0	696.0	696.0	0.00	572.75
209.0	0.00	0.0	696.0	696.0	0.00	572.75
210.0	0.00	0.0	696.0	696.0	0.00	572.75
211.0	0.00	0.0	696.0	696.0	0.00	572.75
212.0	0.00	0.0	696.0	696.0	0.00	572.75
213.0	0.00	0.0	696.0	696.0	0.00	572.75
214.0	0.00	0.0	696.0	696.0	0.00	572.75
215.0	0.00	0.0	696.0	696.0	0.00	572.75
216.0	0.00	0.0	696.0	696.0	0.00	572.75
217.0	0.00	0.0	696.0	696.0	0.00	572.75
218.0	0.00	0.0	696.0	696.0	0.00	572.75
219.0	0.00	0.0	696.0	696.0	0.00	572.75
220.0	0.00	0.0	696.0	696.0	0.00	572.75
221.0	0.00	0.0	696.0	696.0	0.00	572.75
222.0	0.00	0.0	696.0	696.0	0.00	572.75
223.0	0.00	0.0	696.0	696.0	0.00	572.75
224.0	0.00	0.0	696.0	696.0	0.00	572.75
225.0	0.00	0.0	696.0	696.0	0.00	572.75
226.0	0.00	0.0	696.0	696.0	0.00	572.75
227.0	0.00	0.0	696.0	696.0	0.00	572.75
228.0	0.00	0.0	696.0	696.0	0.00	572.75

Find File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
229.0	0.00	0.0	696.0	696.0	0.00	572.75
230.0	0.00	0.0	696.0	696.0	0.00	572.75
231.0	0.00	0.0	696.0	696.0	0.00	572.75
232.0	0.00	0.0	696.0	696.0	0.00	572.75
233.0	0.00	0.0	696.0	696.0	0.00	572.75
234.0	0.00	0.0	696.0	696.0	0.00	572.75
235.0	0.00	0.0	696.0	696.0	0.00	572.75
236.0	0.00	0.0	696.0	696.0	0.00	572.75
237.0	0.00	0.0	696.0	696.0	0.00	572.75
238.0	0.00	0.0	696.0	696.0	0.00	572.75
239.0	0.00	0.0	696.0	696.0	0.00	572.75
240.0	0.00	0.0	696.0	696.0	0.00	572.75
241.0	0.00	0.0	696.0	696.0	0.00	572.75
242.0	0.00	0.0	696.0	696.0	0.00	572.75
243.0	0.00	0.0	696.0	696.0	0.00	572.75
244.0	0.00	0.0	696.0	696.0	0.00	572.75
245.0	0.00	0.0	696.0	696.0	0.00	572.75
246.0	0.00	0.0	696.0	696.0	0.00	572.75
247.0	0.00	0.0	696.0	696.0	0.00	572.75
248.0	0.00	0.0	696.0	696.0	0.00	572.75
249.0	0.00	0.0	696.0	696.0	0.00	572.75
250.0	0.00	0.0	696.0	696.0	0.00	572.75
251.0	0.00	0.0	696.0	696.0	0.00	572.75
252.0	0.00	0.0	696.0	696.0	0.00	572.75
253.0	0.00	0.0	696.0	696.0	0.00	572.75
254.0	0.00	0.0	696.0	696.0	0.00	572.75
255.0	0.00	0.0	696.0	696.0	0.00	572.75
256.0	0.00	0.0	696.0	696.0	0.00	572.75
257.0	0.00	0.0	696.0	696.0	0.00	572.75
258.0	0.00	0.0	696.0	696.0	0.00	572.75
259.0	0.00	0.0	696.0	696.0	0.00	572.75
260.0	0.00	0.0	696.0	696.0	0.00	572.75
261.0	0.00	0.0	696.0	696.0	0.00	572.75
262.0	0.00	0.0	696.0	696.0	0.00	572.75
263.0	0.00	0.0	696.0	696.0	0.00	572.75
264.0	0.00	0.0	696.0	696.0	0.00	572.75
265.0	0.00	0.0	696.0	696.0	0.00	572.75
266.0	0.00	0.0	696.0	696.0	0.00	572.75
267.0	0.00	0.0	696.0	696.0	0.00	572.75
268.0	0.00	0.0	696.0	696.0	0.00	572.75
269.0	0.00	0.0	696.0	696.0	0.00	572.75
270.0	0.00	0.0	696.0	696.0	0.00	572.75
271.0	0.00	0.0	696.0	696.0	0.00	572.75
272.0	0.00	0.0	696.0	696.0	0.00	572.75
273.0	0.00	0.0	696.0	696.0	0.00	572.75
274.0	0.00	0.0	696.0	696.0	0.00	572.75

Input File: j:\DATA\0312269\BASIN5AB.PND
 Inflow Hydrograph: j:\DATA\0312269\100BASIN5.HYD
 Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
275.0	0.00	0.0	696.0	696.0	0.00	572.75
276.0	0.00	0.0	696.0	696.0	0.00	572.75
277.0	0.00	0.0	696.0	696.0	0.00	572.75
278.0	0.00	0.0	696.0	696.0	0.00	572.75
279.0	0.00	0.0	696.0	696.0	0.00	572.75
280.0	0.00	0.0	696.0	696.0	0.00	572.75
281.0	0.00	0.0	696.0	696.0	0.00	572.75
282.0	0.00	0.0	696.0	696.0	0.00	572.75
283.0	0.00	0.0	696.0	696.0	0.00	572.75
284.0	0.00	0.0	696.0	696.0	0.00	572.75
285.0	0.00	0.0	696.0	696.0	0.00	572.75
286.0	0.00	0.0	696.0	696.0	0.00	572.75
287.0	0.00	0.0	696.0	696.0	0.00	572.75
288.0	0.00	0.0	696.0	696.0	0.00	572.75
289.0	0.00	0.0	696.0	696.0	0.00	572.75
290.0	0.00	0.0	696.0	696.0	0.00	572.75
291.0	0.00	0.0	696.0	696.0	0.00	572.75
292.0	0.00	0.0	696.0	696.0	0.00	572.75
293.0	0.00	0.0	696.0	696.0	0.00	572.75
294.0	0.00	0.0	696.0	696.0	0.00	572.75
295.0	0.00	0.0	696.0	696.0	0.00	572.75
296.0	0.00	0.0	696.0	696.0	0.00	572.75
297.0	0.00	0.0	696.0	696.0	0.00	572.75
298.0	0.00	0.0	696.0	696.0	0.00	572.75
299.0	0.00	0.0	696.0	696.0	0.00	572.75
300.0	0.00	0.0	696.0	696.0	0.00	572.75
301.0	0.00	0.0	696.0	696.0	0.00	572.75
302.0	0.00	0.0	696.0	696.0	0.00	572.75
303.0	0.00	0.0	696.0	696.0	0.00	572.75

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: j:\DATA\0312269\BASIN5AB.PND
Inflow Hydrograph: j:\DATA\0312269\100BASN5.HYD
Outflow Hydrograph: j:\DATA\0312269\BA5AB100.HYD

Starting Pond W.S. Elevation = 572.75 ft

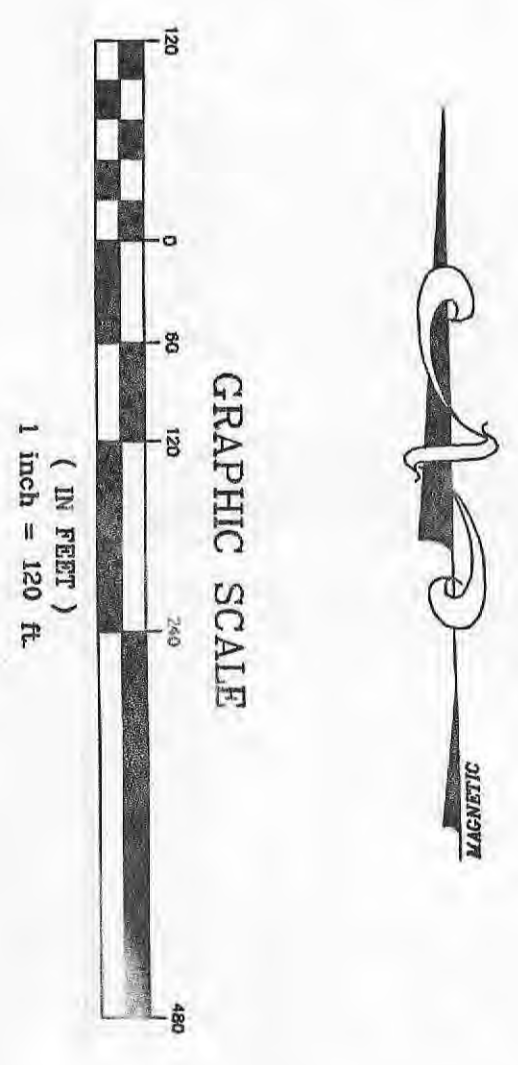
***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 33.11 cfs
Peak Outflow = 33.09 cfs
Peak Elevation = 573.64 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 20,880 cu-ft
Peak Storage From Storm = 6,537 cu-ft

Total Storage in Pond = 27,417 cu-ft



15 YEAR:
 5.54 ac. x 1.87 cfs/ac = 10.36 cfs
 11.28 ac. x 1.87 cfs/ac = 21.09 cfs
 1.25 ac. x 3.00 cfs/ac = 3.75 cfs
 23.37 ac. x 1.87 cfs/ac = 43.70 cfs
 34.69 ac. x 1.87 cfs/ac = 64.87 cfs
 TOTAL 170.18 cfs

15 YEAR:
 8.86 ac. x 1.87 cfs/ac = 16.57 cfs

15 YEAR:
 3.70 ac. x 1.87 cfs/ac = 6.93 cfs
 1.25 ac. x 3.00 cfs/ac = 3.75 cfs
 4.13 ac. x 1.87 cfs/ac = 7.72 cfs
 6.31 ac. x 1.87 cfs/ac = 11.98 cfs
 TOTAL 23.35 cfs

15 YEAR:
 4.13 ac. x 3.00 cfs/ac = 12.39 cfs
 6.31 ac. x 1.87 cfs/ac = 11.98 cfs
 TOTAL 24.37 cfs

15 YEAR:
 0.54 ac. x 3.00 cfs/ac = 1.62 cfs
 5.54 ac. x 1.87 cfs/ac = 10.36 cfs
 TOTAL 11.98 cfs

2 YEAR FLOW TO P.O.I.#1

AREA	P.I.	Q
5.54 AC. (OFFSITE)	1.87	10.36 CFS
11.28 AC. (OFFSITE)	1.87	21.09 CFS
1.25 AC. (OFFSITE)	3.00	3.75 CFS
23.37 AC. (OFFSITE)	1.87	43.70 CFS
34.69 AC. (OFFSITE)	1.87	64.87 CFS
TOTAL		170.18 CFS

2 YEAR FLOW TO P.O.I.#2

AREA	P.I.	Q
8.86 AC. (OFFSITE)	1.87	16.57 CFS
TOTAL		16.57 CFS

2 YEAR FLOW TO P.O.I.#3

AREA	P.I.	Q
3.70 AC. (OFFSITE)	1.87	6.93 CFS
1.25 AC. (OFFSITE)	3.00	3.75 CFS
4.13 AC. (OFFSITE)	1.87	7.72 CFS
6.31 AC. (OFFSITE)	1.87	11.98 CFS
TOTAL		23.35 CFS

2 YEAR FLOW TO P.O.I.#4

AREA	P.I.	Q
4.13 AC. (OFFSITE)	3.00	12.39 CFS
6.31 AC. (OFFSITE)	1.87	11.98 CFS
TOTAL		24.37 CFS

2 YEAR FLOW TO P.O.I.#5

AREA	P.I.	Q
0.54 AC. (OFFSITE)	3.00	1.62 CFS
5.54 AC. (OFFSITE)	1.87	10.36 CFS
TOTAL		11.98 CFS

NO. 03 DATE 12/26/99 SHEET 1 OF 1	PROJECT: THE VILLAGES AT SPRINGHURST	DRAWN: DESIGNED: CHECKED:	PREPARED BY: THE STERLING CO. ENGINEERS & SURVEYORS 6085 NEW BAUMGARTNER ROAD ST. LOUIS, MISSOURI 63129 (314) 487-6710 FAX 487-8944 E-Mail: Sterling@sterling-eng-srv.com	PREPARED FOR: SPRINGHURST, L.L.C. 5091 NEW BAUMGARTNER ROAD ST. LOUIS, MISSOURI 63129 (314) 487-6717	ISSUE: REMARKS: DATE	THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo.
	SHEET TITLE: EXISTING WATERSHED MAP					



P.O.I. #1
 15 YEAR: 1,170 cfs
 0.20 ac. x 3,000 cfs/ac = 600 cfs
 15 YEAR: 1,170 cfs
 14.82 cfs Outflow from Basin #3 = 16.17 cfs

P.O.I. #2
 15 YEAR: 1,170 cfs
 0.20 ac. x 3,000 cfs/ac = 600 cfs
 15 YEAR: 1,170 cfs
 14.82 cfs Outflow from Basin #3 = 16.17 cfs

P.O.I. #3
 15 YEAR: 1,170 cfs
 0.20 ac. x 3,000 cfs/ac = 600 cfs
 15 YEAR: 1,170 cfs
 14.82 cfs Outflow from Basin #3 = 16.17 cfs

P.O.I. #4
 15 YEAR: 1,170 cfs
 0.20 ac. x 3,000 cfs/ac = 600 cfs
 15 YEAR: 1,170 cfs
 14.82 cfs Outflow from Basin #3 = 16.17 cfs

P.O.I. #5
 15 YEAR: 1,170 cfs
 0.20 ac. x 3,000 cfs/ac = 600 cfs
 15 YEAR: 1,170 cfs
 14.82 cfs Outflow from Basin #3 = 16.17 cfs

2 YEAR FLOW TO POI#1

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	5.52 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		6.12 cfs

15 YEAR FLOW TO POI#1

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	16.20 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		16.80 cfs

2 YEAR FLOW TO POI#2

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	5.52 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		6.12 cfs

15 YEAR FLOW TO POI#2

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	16.20 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		16.80 cfs

2 YEAR FLOW TO POI#3

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	5.52 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		6.12 cfs

15 YEAR FLOW TO POI#3

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	16.20 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		16.80 cfs

2 YEAR FLOW TO POI#4

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	5.52 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		6.12 cfs

15 YEAR FLOW TO POI#4

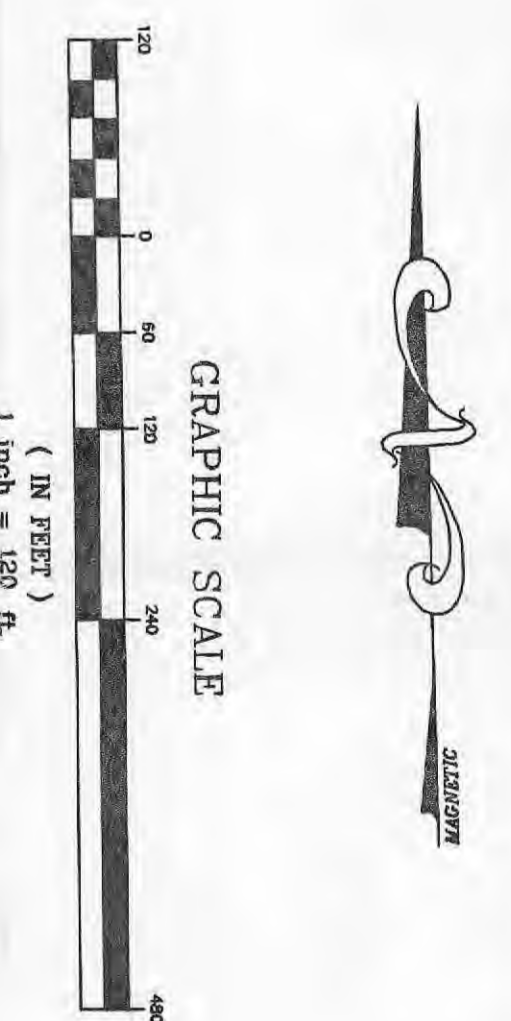
AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	16.20 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		16.80 cfs

2 YEAR FLOW TO POI#5

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	5.52 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		6.12 cfs

15 YEAR FLOW TO POI#5

AREA	P.I.	Q
1.84 Ac. (Onsite)	1.84	16.20 cfs
0.20 Ac. (Onsite)	0.20	0.60 cfs
TOTAL		16.80 cfs



PROJECT: **THE VILLAGES AT SPRINGHURST**

SHEET TITLE: **PROPOSED WATERSHED MAP**

DATE: 03/12/2009

SCALE: 1" = 50.0'

NO. OF SHEETS: 1 OF 1

DESIGNED BY: **THE STERLING CO.**

CHECKED BY:

PREPARED BY: **THE STERLING CO.**

ENGINEERS & SURVEYORS

5055 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 (314) 487-0440 FAX 487-8944
 E-Mail: Sterling@sterling-eng-srv.com

PREPARED FOR: **SPRINGHURST, L.L.C.**

5091 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 (314) 487-8717

ISSUE	REMARKS	DATE

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