THE STERLING CO.

FOX HAVEN ADDITION

DETENTION REPORT

Prepared For:
McBRIDE & SON HOMES LAND DEVELOPMENT, INC.
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Chesterfield, Missouri 63005
(636) 537-2000

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

Sterling Project No.: 04-05-084

Date:
June 10, 2005
Revised October 3, 2005
Revised November 29, 2005

MEETS CITY REQUIREMENTS
1/26/06
Frank Adduci

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. GOODING
NUMBER
E-28643
1/6/2006

FOX HAVEN ADDITION
DETENTION ANALYSIS
04-05-084

Site Acreage = 17.40 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	1.61	0.46
15	1.87	2.64	0.77
25	2.31	3.26	0.95
100	2.95	4.17	1.22

Total Detention required for site

Return Frequency					Total Required
2	Year	=	17.70 Ac. (0.46)	=	8.14 cfs
15	Year	=	17.70 Ac. (0.77)	=	13.63 cfs
25	Year	=	17.70 Ac. (0.95)	=	16.82 cfs
100	Year	=	17.70 Ac. (1.22)	=	21.59 cfs

Detention Basin Analysis:

9.04 Acres tributary to Detention Basin

Direct runoff tributary to Detention Basin

Return Frequency					Total Tributary
2	Year	=	9.04 Ac. (1.61)	=	14.55 cfs
15	Year	=	9.04 Ac. (2.64)	=	23.87 cfs
25	Year	=	9.04 Ac. (3.26)	=	29.47 cfs
100	Year	=	9.04 Ac. (4.17)	=	37.70 cfs

Total Designed Detention for Detention Basin:

Return Frequency			(Inflow – Outflow)		Total Designed
2	Year	=	(14.55 cfs – 4.15 cfs)	=	10.40 cfs
15	Year	=	(23.87 cfs – 6.51 cfs)	=	17.35 cfs
25	Year	=	(29.47 cfs – 7.91 cfs)	=	21.56 cfs
100	Year	=	(37.70 cfs – 10.75 cfs)	=	26.47 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.)

Detention Basin	=	575.00	–	573.45	= 1.55 ft.

Conclusion:

Total Allowable Outflow and Total Designed Outflow from Detention Basin:

Return Frequency		Total Allowable	Total Designed
2	Year = 13.63 Ac. (1.15) + 1.30 Ac. (1.61)	= 17.77 cfs	4.18 cfs
15	Year = 13.63 Ac. (1.87) + 1.30 Ac. (2.64)	= 28.92 cfs	6.56 cfs
25	Year = 13.63 Ac. (2.31) + 1.30 Ac. (3.26)	= 35.72 cfs	7.96 cfs
100	Year = 13.63 Ac. (2.95) + 1.30 Ac. (4.17)	= 45.63 cfs	10.95 cfs

EXECUTIVE SUMMARY:

Total detention required vs. detention provided for this development.

Return Frequency	Detention Required	Detention Designed
2 Year	8.14 cfs (see page 2)	10.40 cfs (see page 3)
15 Year	13.63 cfs (see page 2)	17.35 cfs (see page 3)
25 Year	16.82 cfs (see page 2)	21.56 cfs (see page 3)
100 Year	21.59 cfs (see page 2)	26.95 cfs (see page 3)

2 Year sediment storage requirement:

Total volume available in detention basin = 69,972 cu. ft. at elev. 575

Total detention volume provided for 25 year storm = 28, 691 cu. ft.

Total detention volume over designed for the 25 year storm =

(detention provided – detention required) x 20 min. =

21.56 cfs - 16.82 cfs = 4.74 cfs x 1,200 sec. = 5,688 cu. ft.

Total 2 year sediment storage required for this site = 3,489.00 cu. ft. < 5,688 cu. ft., as a result 2 year sediment storage has been provided for this site.

THE STERLING COMPANY
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ST. LOUIS, MO 63129

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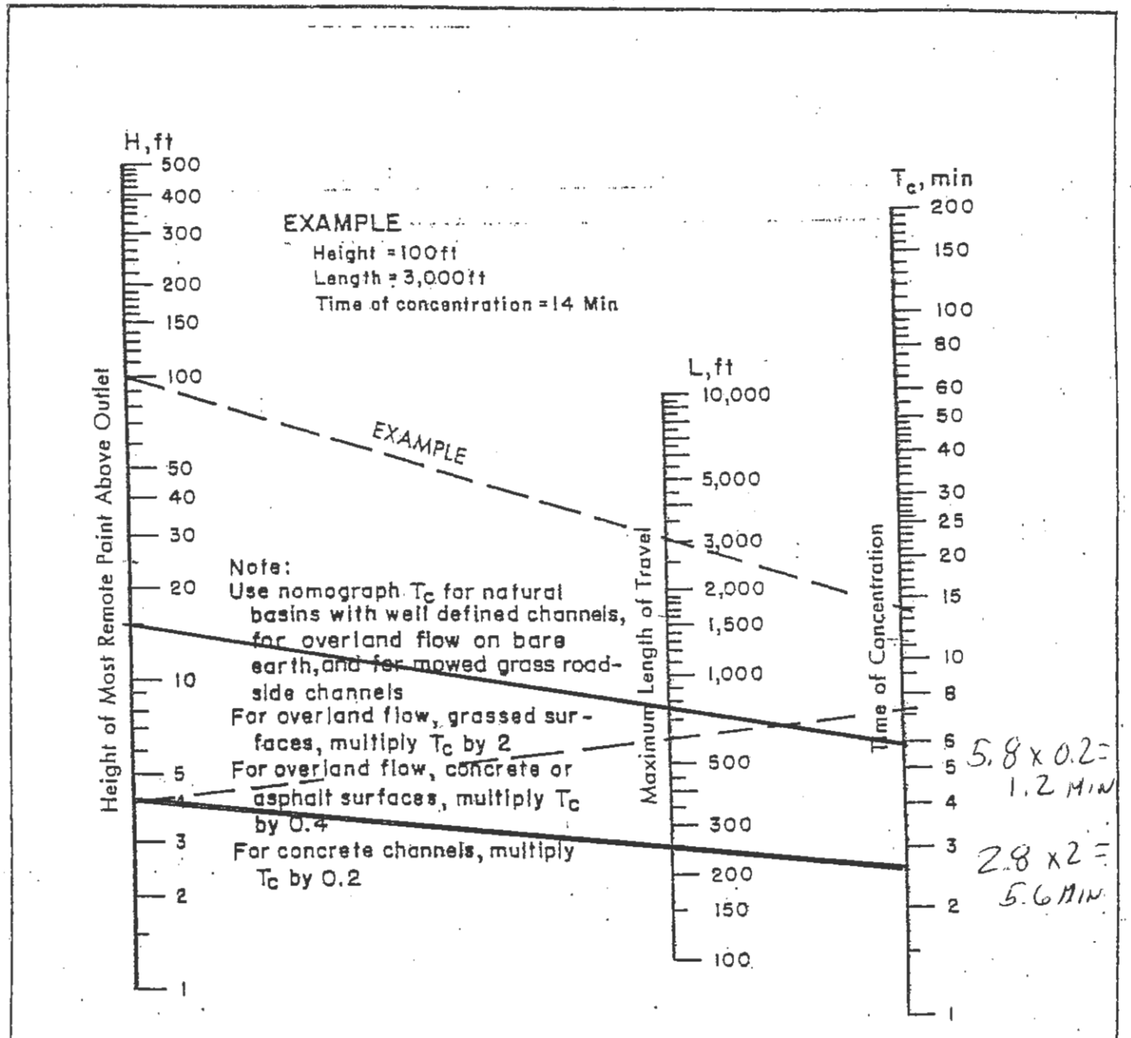
Project: TIME OF CONCENTRATION SHEET ___ of ___
Date: _____ Project No: _____
Designed: _____ Checked: _____

FOX HAVEN ADDITION

TC.



5.8 x 0.2 = 1.2 MIN

2.8 x 2 = 5.6 MIN

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

OVERLAND FLOW: 250' GRASS, 4' DIFF = 5.6
PIPE FLOW: 758' PIPE, 20' DIFF = 1.2
6.8 MIN

USE 7 MIN

CIRCLE AC.

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.

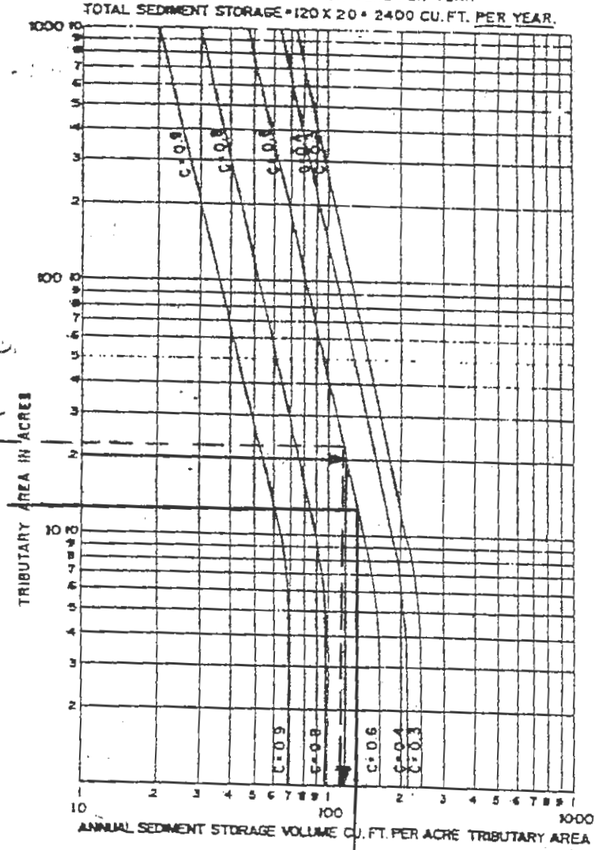


FIG. 1

2 YR SEDIMENT

REVISED AC.
(DOUBLED) 23.26 Ac
~~11.63~~ Ac

TOTAL SEDIMENT STORAGE = 150 × 11.63 = ~~1,744.50~~ CU FT.

REVISED STORAGE = 125 × 23.26 = 2907.30 CU FT.

OR DOUBLE ORIGINAL STORAGE

3,499.00 CU. FT.

POND-2 Version: 5.17
S/N: 1903000008

FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05

CALCULATED 11-29-2005 13:23:29
DISK FILE: j:\DATA\0405084\BASIN .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)
567.23	0.00	0	0	0	0
568.00	3,663.00	3,663	3,663	940	940
570.00	8,256.00	8,256	17,418	11,612	12,552
572.00	10,768.00	10,768	28,453	18,968	31,521
574.00	13,507.00	13,507	36,335	24,223	55,744
575.00	14,962.00	14,962	42,685	14,228	69,972

IA = (sq.rt(Area1) + ((Ei-E1)/(E2-E1))*(sq.rt(Area2)-sq.rt(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.

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

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

Outlet Structure File: BASIN .STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
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****

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

Elevation (ft)	Q (cfs)	Contributing Structures
567.23	0.0	1
567.53	0.1	1
567.83	0.4	1
568.13	0.7	1
568.43	1.1	1
568.73	1.5	1
569.03	2.0	1
569.33	2.5	1
569.63	3.1	1
569.93	3.7	1
570.23	4.3	1
570.53	4.9	1
570.83	5.6	1
571.13	6.4	1
571.43	7.1	1
571.73	7.9	1
572.03	8.7	1
572.33	9.5	1
572.63	12.1	1 +3
572.93	21.9	1 +3
573.23	35.6	1 +3
573.53	57.9	2 +4
573.83	68.8	2 +4
574.13	78.0	2 +4
574.43	86.0	2 +4
574.73	93.3	2 +4
575.00	99.4	2 +4

Outlet Structure File: BASIN .STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05
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Outlet Structure File: j:\DATA\0405084\BASIN .STR
Planimeter Input File: j:\DATA\0405084\BASIN .VOL
Rating Table Output File: j:\DATA\0405084\BASIN .PND

Min. Elev.(ft) = 567.23 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\0405084\BASIN .PND

Outlet Structure File: BASIN   .STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
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>>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	567.23
E2 elev.(ft)?	573.5
Weir coefficient?	3.3
Weir elev.(ft)?	567.23
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN   .STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

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FOXHAVEN ADDITION
DETENTION ANALYSIS
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****

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

ORIFICE
Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	573.5
E2 elev.(ft)?	575.001
Orifice coeff.?	.6
Invert elev.(ft)?	567.23
Datum elev.(ft) ?	570.365
Orifice area (sq ft)?	2.0879

Outlet Structure File: BASIN   .STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

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FOXHAVEN ADDITION
DETENTION ANALYSIS
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>>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)? 572.5
E2 elev.(ft)? 573.5
Weir coefficient? 3.3
Weir elev.(ft)? 572.5
Length (ft)? 11.42
Contracted/Suppressed (C/S)? S

****
* *
* FOXHAVEN ADDITION *
* DETENTION ANALYSIS *
* 04-05-084 *
* REVISED 11/29/05 *
* *
****

Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Rating Table file: j:\DATA\0405084\BASIN .PND

----INITIAL CONDITIONS----
Elevation = 567.23 ft
Outflow = 0.00 cfs
Storage = 0 cu-ft

2 YR STORM

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + O (cfs)
567.23	0.0	0	0.0	0.0
567.53	0.1	56	1.9	2.0
567.83	0.4	445	14.8	15.2
568.13	0.7	1,432	47.7	48.4
568.43	1.1	2,691	89.7	90.8
568.73	1.5	4,133	137.8	139.3
569.03	2.0	5,771	192.4	194.4
569.33	2.5	7,616	253.9	256.4
569.63	3.1	9,683	322.7	325.8
569.93	3.7	11,981	399.4	403.1
570.23	4.3	14,482	482.7	487.0
570.53	4.9	17,095	569.8	574.7
570.83	5.6	19,816	660.5	666.1
571.13	6.4	22,650	755.0	761.4
571.43	7.1	25,598	853.3	860.4
571.73	7.9	28,662	955.4	963.3
572.03	8.7	31,844	1061.5	1070.2
572.33	9.5	35,145	1171.5	1181.0
572.63	12.1	38,565	1285.5	1297.6
572.93	21.9	42,104	1403.5	1425.4
573.23	35.6	45,767	1525.6	1561.2
573.53	57.9	49,554	1651.8	1709.7
573.83	68.8	53,468	1782.3	1851.1
574.13	78.0	57,512	1917.1	1995.1
574.43	86.0	61,684	2056.1	2142.1
574.73	93.3	65,986	2199.5	2292.8
575.00	99.4	69,973	2332.4	2431.8

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	567.23
1.0	1.46	1.5	1.3	1.5	0.07	567.45
2.0	4.37	5.8	6.7	7.1	0.22	567.65
3.0	5.82	10.2	16.1	16.9	0.42	567.85
4.0	8.73	14.6	29.5	30.6	0.54	567.97
5.0	10.19	18.9	47.1	48.5	0.70	568.13
6.0	13.10	23.3	68.5	70.3	0.91	568.29
7.0	14.55	27.7	93.9	96.2	1.14	568.46
8.0	14.55	29.1	120.3	123.0	1.37	568.63
9.0	14.55	29.1	146.2	149.4	1.59	568.78
10.0	14.55	29.1	171.6	175.3	1.83	568.93
11.0	14.55	29.1	196.6	200.7	2.05	569.06
12.0	14.55	29.1	221.2	225.7	2.25	569.18
13.0	14.55	29.1	245.4	250.3	2.45	569.30
14.0	14.55	29.1	269.2	274.5	2.66	569.41
15.0	14.55	29.1	292.6	298.3	2.86	569.51
16.0	14.55	29.1	315.6	321.7	3.06	569.61
17.0	14.55	29.1	338.2	344.7	3.25	569.70
18.0	14.55	29.1	360.4	367.3	3.42	569.79
19.0	14.55	29.1	382.3	389.5	3.59	569.88
20.0	14.55	29.1	403.9	411.4	3.76	569.96
21.0	13.10	27.7	423.7	431.6	3.90	570.03
22.0	10.19	23.3	439.0	447.0	4.01	570.09
23.0	8.73	18.9	449.7	457.9	4.09	570.13
24.0	5.82	14.6	456.0	464.3	4.14	570.15
25.0	4.37	10.2	457.9	466.2	4.15	570.16
26.0	1.46	5.8	455.5	463.7	4.13	570.15
27.0	0.00	1.5	448.8	456.9	4.08	570.12
28.0	0.00	0.0	440.7	448.8	4.03	570.09
29.0	0.00	0.0	432.8	440.7	3.97	570.06
30.0	0.00	0.0	424.9	432.8	3.91	570.04
31.0	0.00	0.0	417.2	424.9	3.86	570.01
32.0	0.00	0.0	409.6	417.2	3.80	569.98
33.0	0.00	0.0	402.1	409.6	3.75	569.95
34.0	0.00	0.0	394.8	402.1	3.69	569.93
35.0	0.00	0.0	387.5	394.8	3.64	569.90
36.0	0.00	0.0	380.3	387.5	3.58	569.87
37.0	0.00	0.0	373.3	380.3	3.52	569.84
38.0	0.00	0.0	366.3	373.3	3.47	569.81
39.0	0.00	0.0	359.5	366.3	3.41	569.79
40.0	0.00	0.0	352.8	359.5	3.36	569.76
41.0	0.00	0.0	346.2	352.8	3.31	569.73
42.0	0.00	0.0	339.7	346.2	3.26	569.71
43.0	0.00	0.0	333.2	339.7	3.21	569.68
44.0	0.00	0.0	326.9	333.2	3.16	569.66

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	320.7	326.9	3.11	569.63
46.0	0.00	0.0	314.6	320.7	3.06	569.61
47.0	0.00	0.0	308.6	314.6	3.00	569.58
48.0	0.00	0.0	302.7	308.6	2.95	569.56
49.0	0.00	0.0	296.9	302.7	2.90	569.53
50.0	0.00	0.0	291.2	296.9	2.85	569.50
51.0	0.00	0.0	285.6	291.2	2.80	569.48
52.0	0.00	0.0	280.1	285.6	2.75	569.46
53.0	0.00	0.0	274.7	280.1	2.70	569.43
54.0	0.00	0.0	269.4	274.7	2.66	569.41
55.0	0.00	0.0	264.1	269.4	2.61	569.39
56.0	0.00	0.0	259.0	264.1	2.57	569.36
57.0	0.00	0.0	254.0	259.0	2.52	569.34
58.0	0.00	0.0	249.0	254.0	2.48	569.32
59.0	0.00	0.0	244.1	249.0	2.44	569.29
60.0	0.00	0.0	239.3	244.1	2.40	569.27
61.0	0.00	0.0	234.6	239.3	2.36	569.25
62.0	0.00	0.0	229.9	234.6	2.32	569.22
63.0	0.00	0.0	225.4	229.9	2.29	569.20
64.0	0.00	0.0	220.9	225.4	2.25	569.18
65.0	0.00	0.0	216.4	220.9	2.21	569.16
66.0	0.00	0.0	212.1	216.4	2.18	569.14
67.0	0.00	0.0	207.8	212.1	2.14	569.12
68.0	0.00	0.0	203.6	207.8	2.11	569.09
69.0	0.00	0.0	199.4	203.6	2.07	569.07
70.0	0.00	0.0	195.3	199.4	2.04	569.05
71.0	0.00	0.0	191.3	195.3	2.01	569.03
72.0	0.00	0.0	187.4	191.3	1.97	569.01
73.0	0.00	0.0	183.5	187.4	1.94	568.99
74.0	0.00	0.0	179.7	183.5	1.90	568.97
75.0	0.00	0.0	176.0	179.7	1.87	568.95
76.0	0.00	0.0	172.3	176.0	1.83	568.93
77.0	0.00	0.0	168.7	172.3	1.80	568.91
78.0	0.00	0.0	165.2	168.7	1.77	568.89
79.0	0.00	0.0	161.7	165.2	1.74	568.87
80.0	0.00	0.0	158.3	161.7	1.70	568.85
81.0	0.00	0.0	155.0	158.3	1.67	568.83
82.0	0.00	0.0	151.7	155.0	1.64	568.82
83.0	0.00	0.0	148.4	151.7	1.61	568.80
84.0	0.00	0.0	145.3	148.4	1.58	568.78
85.0	0.00	0.0	142.2	145.3	1.55	568.76
86.0	0.00	0.0	139.1	142.2	1.53	568.75
87.0	0.00	0.0	136.1	139.1	1.50	568.73
88.0	0.00	0.0	133.2	136.1	1.47	568.71
89.0	0.00	0.0	130.3	133.2	1.45	568.69
90.0	0.00	0.0	127.4	130.3	1.43	568.67

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	124.6	127.4	1.40	568.66
92.0	0.00	0.0	121.9	124.6	1.38	568.64
93.0	0.00	0.0	119.1	121.9	1.36	568.62
94.0	0.00	0.0	116.5	119.1	1.33	568.61
95.0	0.00	0.0	113.9	116.5	1.31	568.59
96.0	0.00	0.0	111.3	113.9	1.29	568.57
97.0	0.00	0.0	108.7	111.3	1.27	568.56
98.0	0.00	0.0	106.2	108.7	1.25	568.54
99.0	0.00	0.0	103.8	106.2	1.23	568.53
100.0	0.00	0.0	101.4	103.8	1.21	568.51
101.0	0.00	0.0	99.0	101.4	1.19	568.50
102.0	0.00	0.0	96.7	99.0	1.17	568.48
103.0	0.00	0.0	94.4	96.7	1.15	568.47
104.0	0.00	0.0	92.1	94.4	1.13	568.45
105.0	0.00	0.0	89.9	92.1	1.11	568.44
106.0	0.00	0.0	87.7	89.9	1.09	568.42
107.0	0.00	0.0	85.6	87.7	1.07	568.41
108.0	0.00	0.0	83.5	85.6	1.05	568.39
109.0	0.00	0.0	81.4	83.5	1.03	568.38
110.0	0.00	0.0	79.4	81.4	1.01	568.36
111.0	0.00	0.0	77.4	79.4	0.99	568.35
112.0	0.00	0.0	75.4	77.4	0.97	568.34
113.0	0.00	0.0	73.5	75.4	0.95	568.32
114.0	0.00	0.0	71.7	73.5	0.94	568.31
115.0	0.00	0.0	69.8	71.7	0.92	568.29
116.0	0.00	0.0	68.0	69.8	0.90	568.28
117.0	0.00	0.0	66.2	68.0	0.88	568.27
118.0	0.00	0.0	64.5	66.2	0.87	568.26
119.0	0.00	0.0	62.8	64.5	0.85	568.24
120.0	0.00	0.0	61.1	62.8	0.84	568.23
121.0	0.00	0.0	59.5	61.1	0.82	568.22
122.0	0.00	0.0	57.9	59.5	0.80	568.21
123.0	0.00	0.0	56.3	57.9	0.79	568.20
124.0	0.00	0.0	54.8	56.3	0.77	568.19
125.0	0.00	0.0	53.2	54.8	0.76	568.17
126.0	0.00	0.0	51.8	53.2	0.75	568.16
127.0	0.00	0.0	50.3	51.8	0.73	568.15
128.0	0.00	0.0	48.9	50.3	0.72	568.14
129.0	0.00	0.0	47.4	48.9	0.70	568.13
130.0	0.00	0.0	46.1	47.4	0.69	568.12
131.0	0.00	0.0	44.7	46.1	0.68	568.11
132.0	0.00	0.0	43.4	44.7	0.67	568.10
133.0	0.00	0.0	42.1	43.4	0.65	568.08
134.0	0.00	0.0	40.8	42.1	0.64	568.07
135.0	0.00	0.0	39.5	40.8	0.63	568.06
136.0	0.00	0.0	38.3	39.5	0.62	568.05

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	37.1	38.3	0.61	568.04
138.0	0.00	0.0	35.9	37.1	0.60	568.03
139.0	0.00	0.0	34.7	35.9	0.59	568.02
140.0	0.00	0.0	33.5	34.7	0.58	568.01
141.0	0.00	0.0	32.4	33.5	0.57	568.00
142.0	0.00	0.0	31.3	32.4	0.56	567.99
143.0	0.00	0.0	30.2	31.3	0.55	567.98
144.0	0.00	0.0	29.1	30.2	0.54	567.97
145.0	0.00	0.0	28.1	29.1	0.53	567.96
146.0	0.00	0.0	27.1	28.1	0.52	567.95
147.0	0.00	0.0	26.0	27.1	0.51	567.94
148.0	0.00	0.0	25.1	26.0	0.50	567.93
149.0	0.00	0.0	24.1	25.1	0.49	567.92
150.0	0.00	0.0	23.1	24.1	0.48	567.91
151.0	0.00	0.0	22.2	23.1	0.47	567.90
152.0	0.00	0.0	21.2	22.2	0.46	567.89
153.0	0.00	0.0	20.3	21.2	0.45	567.88
154.0	0.00	0.0	19.4	20.3	0.45	567.88
155.0	0.00	0.0	18.6	19.4	0.44	567.87
156.0	0.00	0.0	17.7	18.6	0.43	567.86
157.0	0.00	0.0	16.9	17.7	0.42	567.85
158.0	0.00	0.0	16.0	16.9	0.41	567.84
159.0	0.00	0.0	15.2	16.0	0.41	567.84
160.0	0.00	0.0	14.4	15.2	0.40	567.83
161.0	0.00	0.0	13.7	14.4	0.38	567.81
162.0	0.00	0.0	12.9	13.7	0.36	567.79
163.0	0.00	0.0	12.2	12.9	0.35	567.78
164.0	0.00	0.0	11.6	12.2	0.33	567.76
165.0	0.00	0.0	10.9	11.6	0.32	567.75
166.0	0.00	0.0	10.3	10.9	0.30	567.73
167.0	0.00	0.0	9.7	10.3	0.29	567.72
168.0	0.00	0.0	9.2	9.7	0.28	567.71
169.0	0.00	0.0	8.7	9.2	0.26	567.69
170.0	0.00	0.0	8.2	8.7	0.25	567.68
171.0	0.00	0.0	7.7	8.2	0.24	567.67
172.0	0.00	0.0	7.2	7.7	0.23	567.66
173.0	0.00	0.0	6.8	7.2	0.22	567.65
174.0	0.00	0.0	6.4	6.8	0.21	567.64
175.0	0.00	0.0	6.0	6.4	0.20	567.63
176.0	0.00	0.0	5.6	6.0	0.19	567.62
177.0	0.00	0.0	5.2	5.6	0.18	567.61
178.0	0.00	0.0	4.9	5.2	0.17	567.60
179.0	0.00	0.0	4.5	4.9	0.17	567.60
180.0	0.00	0.0	4.2	4.5	0.16	567.59
181.0	0.00	0.0	3.9	4.2	0.15	567.58
182.0	0.00	0.0	3.6	3.9	0.14	567.57

nd File: j:\DATA\0405084\BASIN .PND
nflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	3.4	3.6	0.14	567.57
184.0	0.00	0.0	3.1	3.4	0.13	567.56
185.0	0.00	0.0	2.8	3.1	0.13	567.56
186.0	0.00	0.0	2.6	2.8	0.12	567.55
187.0	0.00	0.0	2.4	2.6	0.11	567.54
188.0	0.00	0.0	2.2	2.4	0.11	567.54
189.0	0.00	0.0	1.9	2.2	0.10	567.53
190.0	0.00	0.0	1.7	1.9	0.10	567.53
191.0	0.00	0.0	1.6	1.7	0.09	567.50
192.0	0.00	0.0	1.4	1.6	0.08	567.47
193.0	0.00	0.0	1.3	1.4	0.07	567.45
194.0	0.00	0.0	1.1	1.3	0.06	567.42
195.0	0.00	0.0	1.0	1.1	0.06	567.40
196.0	0.00	0.0	0.9	1.0	0.05	567.39
197.0	0.00	0.0	0.8	0.9	0.05	567.37
198.0	0.00	0.0	0.7	0.8	0.04	567.36
199.0	0.00	0.0	0.7	0.7	0.04	567.34
200.0	0.00	0.0	0.6	0.7	0.03	567.33
201.0	0.00	0.0	0.5	0.6	0.03	567.32
202.0	0.00	0.0	0.5	0.5	0.03	567.31
203.0	0.00	0.0	0.4	0.5	0.02	567.30
204.0	0.00	0.0	0.4	0.4	0.02	567.30
205.0	0.00	0.0	0.3	0.4	0.02	567.29
206.0	0.00	0.0	0.3	0.3	0.02	567.28
207.0	0.00	0.0	0.3	0.3	0.02	567.28
208.0	0.00	0.0	0.3	0.3	0.01	567.27
209.0	0.00	0.0	0.2	0.3	0.01	567.27
210.0	0.00	0.0	0.2	0.2	0.01	567.26
211.0	0.00	0.0	0.2	0.2	0.01	567.26
212.0	0.00	0.0	0.2	0.2	0.01	567.26
213.0	0.00	0.0	0.1	0.2	0.01	567.26
214.0	0.00	0.0	0.1	0.1	0.01	567.25
215.0	0.00	0.0	0.1	0.1	0.01	567.25
216.0	0.00	0.0	0.1	0.1	0.01	567.25
217.0	0.00	0.0	0.1	0.1	0.01	567.25
218.0	0.00	0.0	0.1	0.1	0.00	567.24
219.0	0.00	0.0	0.1	0.1	0.00	567.24
220.0	0.00	0.0	0.1	0.1	0.00	567.24
221.0	0.00	0.0	0.1	0.1	0.00	567.24
222.0	0.00	0.0	0.1	0.1	0.00	567.24
223.0	0.00	0.0	0.0	0.1	0.00	567.24
224.0	0.00	0.0	0.0	0.0	0.00	567.24
225.0	0.00	0.0	0.0	0.0	0.00	567.24
226.0	0.00	0.0	0.0	0.0	0.00	567.24
227.0	0.00	0.0	0.0	0.0	0.00	567.24
228.0	0.00	0.0	0.0	0.0	0.00	567.23

nd File: j:\DATA\0405084\BASIN .PND
nflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	567.23
230.0	0.00	0.0	0.0	0.0	0.00	567.23
231.0	0.00	0.0	0.0	0.0	0.00	567.23
232.0	0.00	0.0	0.0	0.0	0.00	567.23
233.0	0.00	0.0	0.0	0.0	0.00	567.23
234.0	0.00	0.0	0.0	0.0	0.00	567.23
235.0	0.00	0.0	0.0	0.0	0.00	567.23
236.0	0.00	0.0	0.0	0.0	0.00	567.23
237.0	0.00	0.0	0.0	0.0	0.00	567.23
238.0	0.00	0.0	0.0	0.0	0.00	567.23
239.0	0.00	0.0	0.0	0.0	0.00	567.23
240.0	0.00	0.0	0.0	0.0	0.00	567.23
241.0	0.00	0.0	0.0	0.0	0.00	567.23
242.0	0.00	0.0	0.0	0.0	0.00	567.23
243.0	0.00	0.0	0.0	0.0	0.00	567.23
244.0	0.00	0.0	0.0	0.0	0.00	567.23
245.0	0.00	0.0	0.0	0.0	0.00	567.23
246.0	0.00	0.0	0.0	0.0	0.00	567.23
247.0	0.00	0.0	0.0	0.0	0.00	567.23
248.0	0.00	0.0	0.0	0.0	0.00	567.23
249.0	0.00	0.0	0.0	0.0	0.00	567.23
250.0	0.00	0.0	0.0	0.0	0.00	567.23
251.0	0.00	0.0	0.0	0.0	0.00	567.23
252.0	0.00	0.0	0.0	0.0	0.00	567.23
253.0	0.00	0.0	0.0	0.0	0.00	567.23
254.0	0.00	0.0	0.0	0.0	0.00	567.23
255.0	0.00	0.0	0.0	0.0	0.00	567.23
256.0	0.00	0.0	0.0	0.0	0.00	567.23
257.0	0.00	0.0	0.0	0.0	0.00	567.23
258.0	0.00	0.0	0.0	0.0	0.00	567.23
259.0	0.00	0.0	0.0	0.0	0.00	567.23
260.0	0.00	0.0	0.0	0.0	0.00	567.23
261.0	0.00	0.0	0.0	0.0	0.00	567.23
262.0	0.00	0.0	0.0	0.0	0.00	567.23
263.0	0.00	0.0	0.0	0.0	0.00	567.23
264.0	0.00	0.0	0.0	0.0	0.00	567.23
265.0	0.00	0.0	0.0	0.0	0.00	567.23
266.0	0.00	0.0	0.0	0.0	0.00	567.23
267.0	0.00	0.0	0.0	0.0	0.00	567.23
268.0	0.00	0.0	0.0	0.0	0.00	567.23
269.0	0.00	0.0	0.0	0.0	0.00	567.23
270.0	0.00	0.0	0.0	0.0	0.00	567.23
271.0	0.00	0.0	0.0	0.0	0.00	567.23
272.0	0.00	0.0	0.0	0.0	0.00	567.23
273.0	0.00	0.0	0.0	0.0	0.00	567.23
274.0	0.00	0.0	0.0	0.0	0.00	567.23

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .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	567.23
276.0	0.00	0.0	0.0	0.0	0.00	567.23
277.0	0.00	0.0	0.0	0.0	0.00	567.23
278.0	0.00	0.0	0.0	0.0	0.00	567.23
279.0	0.00	0.0	0.0	0.0	0.00	567.23
280.0	0.00	0.0	0.0	0.0	0.00	567.23
281.0	0.00	0.0	0.0	0.0	0.00	567.23
282.0	0.00	0.0	0.0	0.0	0.00	567.23
283.0	0.00	0.0	0.0	0.0	0.00	567.23
284.0	0.00	0.0	0.0	0.0	0.00	567.23
285.0	0.00	0.0	0.0	0.0	0.00	567.23
286.0	0.00	0.0	0.0	0.0	0.00	567.23
287.0	0.00	0.0	0.0	0.0	0.00	567.23
288.0	0.00	0.0	0.0	0.0	0.00	567.23
289.0	0.00	0.0	0.0	0.0	0.00	567.23
290.0	0.00	0.0	0.0	0.0	0.00	567.23
291.0	0.00	0.0	0.0	0.0	0.00	567.23
292.0	0.00	0.0	0.0	0.0	0.00	567.23
293.0	0.00	0.0	0.0	0.0	0.00	567.23
294.0	0.00	0.0	0.0	0.0	0.00	567.23
295.0	0.00	0.0	0.0	0.0	0.00	567.23
296.0	0.00	0.0	0.0	0.0	0.00	567.23
297.0	0.00	0.0	0.0	0.0	0.00	567.23
298.0	0.00	0.0	0.0	0.0	0.00	567.23
299.0	0.00	0.0	0.0	0.0	0.00	567.23
300.0	0.00	0.0	0.0	0.0	0.00	567.23
301.0	0.00	0.0	0.0	0.0	0.00	567.23
302.0	0.00	0.0	0.0	0.0	0.00	567.23
303.0	0.00	0.0	0.0	0.0	0.00	567.23

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

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN02 .HYD

Starting Pond W.S. Elevation = 567.23 ft

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

Peak Inflow	=	14.55 cfs
Peak Outflow	=	4.15 cfs
Peak Elevation	=	570.16 ft

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

Initial Storage	=	0 cu-ft
Peak Storage From Storm	=	13,862 cu-ft
Total Storage in Pond	=	13,862 cu-ft

****
* *
* FOXHAVEN ADDITION *
* DETENTION ANALYSIS *
* 04-05-084 *
* REVISED 11/29/05 *
* *
****

Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Rating Table file: j:\DATA\0405084\BASIN .PND

----INITIAL CONDITIONS----
Elevation = 567.23 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 + O (cfs)
567.23	0.0	0	0.0	0.0
567.53	0.1	56	1.9	2.0
567.83	0.4	445	14.8	15.2
568.13	0.7	1,432	47.7	48.4
568.43	1.1	2,691	89.7	90.8
568.73	1.5	4,133	137.8	139.3
569.03	2.0	5,771	192.4	194.4
569.33	2.5	7,616	253.9	256.4
569.63	3.1	9,683	322.7	325.8
569.93	3.7	11,981	399.4	403.1
570.23	4.3	14,482	482.7	487.0
570.53	4.9	17,095	569.8	574.7
570.83	5.6	19,816	660.5	666.1
571.13	6.4	22,650	755.0	761.4
571.43	7.1	25,598	853.3	860.4
571.73	7.9	28,662	955.4	963.3
572.03	8.7	31,844	1061.5	1070.2
572.33	9.5	35,145	1171.5	1181.0
572.63	12.1	38,565	1285.5	1297.6
572.93	21.9	42,104	1403.5	1425.4
573.23	35.6	45,767	1525.6	1561.2
573.53	57.9	49,554	1651.8	1709.7
573.83	68.8	53,468	1782.3	1851.1
574.13	78.0	57,512	1917.1	1995.1
574.43	86.0	61,684	2056.1	2142.1
574.73	93.3	65,986	2199.5	2292.8
575.00	99.4	69,973	2332.4	2431.8

15 YR STORM

Time increment (t) = 1.0 min.

nd File: j:\DATA\0405084\BASN .PND
nflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	567.23
1.0	2.39	2.4	2.2	2.4	0.11	567.54
2.0	7.16	9.6	11.1	11.7	0.32	567.75
3.0	9.55	16.7	26.8	27.8	0.51	567.94
4.0	14.32	23.9	49.2	50.6	0.72	568.15
5.0	16.71	31.0	78.2	80.2	1.00	568.36
6.0	21.48	38.2	113.8	116.4	1.31	568.59
7.0	23.87	45.4	155.8	159.1	1.68	568.84
8.0	23.87	47.7	199.4	203.5	2.07	569.07
9.0	23.87	47.7	242.3	247.1	2.43	569.29
10.0	23.87	47.7	284.4	290.0	2.79	569.48
11.0	23.87	47.7	325.9	332.2	3.15	569.65
12.0	23.87	47.7	366.7	373.6	3.47	569.82
13.0	23.87	47.7	406.8	414.4	3.78	569.97
14.0	23.87	47.7	446.4	454.6	4.07	570.11
15.0	23.87	47.7	485.5	494.2	4.35	570.25
16.0	23.87	47.7	524.0	533.2	4.62	570.39
17.0	23.87	47.7	562.0	571.7	4.88	570.52
18.0	23.87	47.7	599.4	609.7	5.17	570.64
19.0	23.87	47.7	636.2	647.1	5.45	570.77
20.0	23.87	47.7	672.4	683.9	5.75	570.89
21.0	21.48	45.4	705.7	717.8	6.03	570.99
22.0	16.71	38.2	731.4	743.9	6.25	571.07
23.0	14.32	31.0	749.6	762.4	6.41	571.13
24.0	9.55	23.9	760.5	773.5	6.49	571.17
25.0	7.16	16.7	764.2	777.2	6.51	571.18
26.0	2.39	9.6	760.8	773.8	6.49	571.17
27.0	0.00	2.4	750.4	763.2	6.41	571.14
28.0	0.00	0.0	737.7	750.4	6.31	571.10
29.0	0.00	0.0	725.3	737.7	6.20	571.06
30.0	0.00	0.0	713.1	725.3	6.10	571.02
31.0	0.00	0.0	701.2	713.1	5.99	570.98
32.0	0.00	0.0	689.4	701.2	5.89	570.94
33.0	0.00	0.0	677.8	689.4	5.80	570.90
34.0	0.00	0.0	666.4	677.8	5.70	570.87
35.0	0.00	0.0	655.2	666.4	5.60	570.83
36.0	0.00	0.0	644.1	655.2	5.52	570.79
37.0	0.00	0.0	633.3	644.1	5.43	570.76
38.0	0.00	0.0	622.6	633.3	5.35	570.72
39.0	0.00	0.0	612.1	622.6	5.27	570.69
40.0	0.00	0.0	601.7	612.1	5.19	570.65
41.0	0.00	0.0	591.5	601.7	5.11	570.62
42.0	0.00	0.0	581.4	591.5	5.03	570.58
43.0	0.00	0.0	571.5	581.4	4.95	570.55
44.0	0.00	0.0	561.8	571.5	4.88	570.52

nd File: j:\DATA\0405084\BASIN .PND
..flow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	552.1	561.8	4.81	570.49
46.0	0.00	0.0	542.6	552.1	4.75	570.45
47.0	0.00	0.0	533.3	542.6	4.68	570.42
48.0	0.00	0.0	524.0	533.3	4.62	570.39
49.0	0.00	0.0	514.9	524.0	4.55	570.36
50.0	0.00	0.0	506.0	514.9	4.49	570.33
51.0	0.00	0.0	497.1	506.0	4.43	570.29
52.0	0.00	0.0	488.4	497.1	4.37	570.26
53.0	0.00	0.0	479.7	488.4	4.31	570.23
54.0	0.00	0.0	471.2	479.7	4.25	570.20
55.0	0.00	0.0	462.9	471.2	4.19	570.17
56.0	0.00	0.0	454.6	462.9	4.13	570.14
57.0	0.00	0.0	446.5	454.6	4.07	570.11
58.0	0.00	0.0	438.5	446.5	4.01	570.09
59.0	0.00	0.0	430.6	438.5	3.95	570.06
60.0	0.00	0.0	422.8	430.6	3.90	570.03
61.0	0.00	0.0	415.1	422.8	3.84	570.00
62.0	0.00	0.0	407.5	415.1	3.79	569.97
63.0	0.00	0.0	400.0	407.5	3.73	569.95
64.0	0.00	0.0	392.7	400.0	3.68	569.92
65.0	0.00	0.0	385.5	392.7	3.62	569.89
66.0	0.00	0.0	378.3	385.5	3.56	569.86
67.0	0.00	0.0	371.3	378.3	3.51	569.83
68.0	0.00	0.0	364.4	371.3	3.45	569.81
69.0	0.00	0.0	357.6	364.4	3.40	569.78
70.0	0.00	0.0	350.9	357.6	3.35	569.75
71.0	0.00	0.0	344.3	350.9	3.29	569.73
72.0	0.00	0.0	337.8	344.3	3.24	569.70
73.0	0.00	0.0	331.5	337.8	3.19	569.68
74.0	0.00	0.0	325.2	331.5	3.14	569.65
75.0	0.00	0.0	319.0	325.2	3.09	569.63
76.0	0.00	0.0	312.9	319.0	3.04	569.60
77.0	0.00	0.0	306.9	312.9	2.99	569.57
78.0	0.00	0.0	301.0	306.9	2.94	569.55
79.0	0.00	0.0	295.3	301.0	2.89	569.52
80.0	0.00	0.0	289.6	295.3	2.84	569.50
81.0	0.00	0.0	284.0	289.6	2.79	569.47
82.0	0.00	0.0	278.6	284.0	2.74	569.45
83.0	0.00	0.0	273.2	278.6	2.69	569.43
84.0	0.00	0.0	267.9	273.2	2.65	569.40
85.0	0.00	0.0	262.7	267.9	2.60	569.38
86.0	0.00	0.0	257.6	262.7	2.55	569.36
87.0	0.00	0.0	252.5	257.6	2.51	569.34
88.0	0.00	0.0	247.6	252.5	2.47	569.31
89.0	0.00	0.0	242.8	247.6	2.43	569.29
90.0	0.00	0.0	238.0	242.8	2.39	569.26

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	233.3	238.0	2.35	569.24
92.0	0.00	0.0	228.6	233.3	2.31	569.22
93.0	0.00	0.0	224.1	228.6	2.28	569.20
94.0	0.00	0.0	219.6	224.1	2.24	569.17
95.0	0.00	0.0	215.2	219.6	2.20	569.15
96.0	0.00	0.0	210.9	215.2	2.17	569.13
97.0	0.00	0.0	206.6	210.9	2.13	569.11
98.0	0.00	0.0	202.4	206.6	2.10	569.09
99.0	0.00	0.0	198.3	202.4	2.06	569.07
100.0	0.00	0.0	194.2	198.3	2.03	569.05
101.0	0.00	0.0	190.2	194.2	2.00	569.03
102.0	0.00	0.0	186.3	190.2	1.96	569.01
103.0	0.00	0.0	182.4	186.3	1.93	568.99
104.0	0.00	0.0	178.6	182.4	1.89	568.97
105.0	0.00	0.0	174.9	178.6	1.86	568.94
106.0	0.00	0.0	171.3	174.9	1.82	568.92
107.0	0.00	0.0	167.7	171.3	1.79	568.90
108.0	0.00	0.0	164.2	167.7	1.76	568.88
109.0	0.00	0.0	160.7	164.2	1.73	568.87
110.0	0.00	0.0	157.3	160.7	1.69	568.85
111.0	0.00	0.0	154.0	157.3	1.66	568.83
112.0	0.00	0.0	150.8	154.0	1.63	568.81
113.0	0.00	0.0	147.5	150.8	1.60	568.79
114.0	0.00	0.0	144.4	147.5	1.58	568.78
115.0	0.00	0.0	141.3	144.4	1.55	568.76
116.0	0.00	0.0	138.3	141.3	1.52	568.74
117.0	0.00	0.0	135.3	138.3	1.49	568.72
118.0	0.00	0.0	132.3	135.3	1.47	568.71
119.0	0.00	0.0	129.5	132.3	1.44	568.69
120.0	0.00	0.0	126.6	129.5	1.42	568.67
121.0	0.00	0.0	123.8	126.6	1.40	568.65
122.0	0.00	0.0	121.1	123.8	1.37	568.63
123.0	0.00	0.0	118.4	121.1	1.35	568.62
124.0	0.00	0.0	115.7	118.4	1.33	568.60
125.0	0.00	0.0	113.1	115.7	1.31	568.58
126.0	0.00	0.0	110.6	113.1	1.28	568.57
127.0	0.00	0.0	108.0	110.6	1.26	568.55
128.0	0.00	0.0	105.5	108.0	1.24	568.54
129.0	0.00	0.0	103.1	105.5	1.22	568.52
130.0	0.00	0.0	100.7	103.1	1.20	568.51
131.0	0.00	0.0	98.3	100.7	1.18	568.49
132.0	0.00	0.0	96.0	98.3	1.16	568.48
133.0	0.00	0.0	93.7	96.0	1.14	568.46
134.0	0.00	0.0	91.5	93.7	1.12	568.45
135.0	0.00	0.0	89.3	91.5	1.11	568.43
136.0	0.00	0.0	87.1	89.3	1.09	568.42

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	85.0	87.1	1.06	568.40
138.0	0.00	0.0	82.9	85.0	1.04	568.39
139.0	0.00	0.0	80.8	82.9	1.03	568.37
140.0	0.00	0.0	78.8	80.8	1.01	568.36
141.0	0.00	0.0	76.8	78.8	0.99	568.35
142.0	0.00	0.0	74.9	76.8	0.97	568.33
143.0	0.00	0.0	73.0	74.9	0.95	568.32
144.0	0.00	0.0	71.1	73.0	0.93	568.30
145.0	0.00	0.0	69.3	71.1	0.91	568.29
146.0	0.00	0.0	67.5	69.3	0.90	568.28
147.0	0.00	0.0	65.8	67.5	0.88	568.27
148.0	0.00	0.0	64.0	65.8	0.86	568.25
149.0	0.00	0.0	62.3	64.0	0.85	568.24
150.0	0.00	0.0	60.7	62.3	0.83	568.23
151.0	0.00	0.0	59.0	60.7	0.82	568.22
152.0	0.00	0.0	57.4	59.0	0.80	568.21
153.0	0.00	0.0	55.9	57.4	0.78	568.19
154.0	0.00	0.0	54.3	55.9	0.77	568.18
155.0	0.00	0.0	52.8	54.3	0.76	568.17
156.0	0.00	0.0	51.3	52.8	0.74	568.16
157.0	0.00	0.0	49.9	51.3	0.73	568.15
158.0	0.00	0.0	48.5	49.9	0.71	568.14
159.0	0.00	0.0	47.1	48.5	0.70	568.13
160.0	0.00	0.0	45.7	47.1	0.69	568.12
161.0	0.00	0.0	44.3	45.7	0.68	568.11
162.0	0.00	0.0	43.0	44.3	0.66	568.09
163.0	0.00	0.0	41.7	43.0	0.65	568.08
164.0	0.00	0.0	40.4	41.7	0.64	568.07
165.0	0.00	0.0	39.2	40.4	0.63	568.06
166.0	0.00	0.0	37.9	39.2	0.62	568.05
167.0	0.00	0.0	36.7	37.9	0.61	568.04
168.0	0.00	0.0	35.5	36.7	0.59	568.02
169.0	0.00	0.0	34.4	35.5	0.58	568.01
170.0	0.00	0.0	33.2	34.4	0.57	568.00
171.0	0.00	0.0	32.1	33.2	0.56	567.99
172.0	0.00	0.0	31.0	32.1	0.55	567.98
173.0	0.00	0.0	29.9	31.0	0.54	567.97
174.0	0.00	0.0	28.8	29.9	0.53	567.96
175.0	0.00	0.0	27.8	28.8	0.52	567.95
176.0	0.00	0.0	26.8	27.8	0.51	567.94
177.0	0.00	0.0	25.8	26.8	0.50	567.93
178.0	0.00	0.0	24.8	25.8	0.50	567.93
179.0	0.00	0.0	23.8	24.8	0.49	567.92
180.0	0.00	0.0	22.8	23.8	0.48	567.91
181.0	0.00	0.0	21.9	22.8	0.47	567.90
182.0	0.00	0.0	21.0	21.9	0.46	567.89

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	20.1	21.0	0.45	567.88
184.0	0.00	0.0	19.2	20.1	0.44	567.87
185.0	0.00	0.0	18.3	19.2	0.44	567.87
186.0	0.00	0.0	17.5	18.3	0.43	567.86
187.0	0.00	0.0	16.6	17.5	0.42	567.85
188.0	0.00	0.0	15.8	16.6	0.41	567.84
189.0	0.00	0.0	15.0	15.8	0.41	567.84
190.0	0.00	0.0	14.2	15.0	0.39	567.82
191.0	0.00	0.0	13.4	14.2	0.38	567.81
192.0	0.00	0.0	12.7	13.4	0.36	567.79
193.0	0.00	0.0	12.0	12.7	0.34	567.77
194.0	0.00	0.0	11.4	12.0	0.33	567.76
195.0	0.00	0.0	10.8	11.4	0.31	567.74
196.0	0.00	0.0	10.2	10.8	0.30	567.73
197.0	0.00	0.0	9.6	10.2	0.29	567.72
198.0	0.00	0.0	9.0	9.6	0.27	567.70
199.0	0.00	0.0	8.5	9.0	0.26	567.69
200.0	0.00	0.0	8.0	8.5	0.25	567.68
201.0	0.00	0.0	7.6	8.0	0.24	567.67
202.0	0.00	0.0	7.1	7.6	0.23	567.66
203.0	0.00	0.0	6.7	7.1	0.22	567.65
204.0	0.00	0.0	6.3	6.7	0.21	567.64
205.0	0.00	0.0	5.9	6.3	0.20	567.63
206.0	0.00	0.0	5.5	5.9	0.19	567.62
207.0	0.00	0.0	5.1	5.5	0.18	567.61
208.0	0.00	0.0	4.8	5.1	0.17	567.60
209.0	0.00	0.0	4.5	4.8	0.16	567.59
210.0	0.00	0.0	4.1	4.5	0.16	567.59
211.0	0.00	0.0	3.8	4.1	0.15	567.58
212.0	0.00	0.0	3.6	3.8	0.14	567.57
213.0	0.00	0.0	3.3	3.6	0.14	567.57
214.0	0.00	0.0	3.0	3.3	0.13	567.56
215.0	0.00	0.0	2.8	3.0	0.12	567.55
216.0	0.00	0.0	2.5	2.8	0.12	567.55
217.0	0.00	0.0	2.3	2.5	0.11	567.54
218.0	0.00	0.0	2.1	2.3	0.11	567.54
219.0	0.00	0.0	1.9	2.1	0.10	567.53
220.0	0.00	0.0	1.7	1.9	0.10	567.52
221.0	0.00	0.0	1.5	1.7	0.09	567.49
222.0	0.00	0.0	1.4	1.5	0.08	567.46
223.0	0.00	0.0	1.2	1.4	0.07	567.44
224.0	0.00	0.0	1.1	1.2	0.06	567.42
225.0	0.00	0.0	1.0	1.1	0.06	567.40
226.0	0.00	0.0	0.9	1.0	0.05	567.38
227.0	0.00	0.0	0.8	0.9	0.05	567.37
228.0	0.00	0.0	0.7	0.8	0.04	567.35

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	0.6	0.7	0.04	567.34
230.0	0.00	0.0	0.6	0.6	0.03	567.33
231.0	0.00	0.0	0.5	0.6	0.03	567.32
232.0	0.00	0.0	0.5	0.5	0.03	567.31
233.0	0.00	0.0	0.4	0.5	0.02	567.30
234.0	0.00	0.0	0.4	0.4	0.02	567.29
235.0	0.00	0.0	0.3	0.4	0.02	567.29
236.0	0.00	0.0	0.3	0.3	0.02	567.28
237.0	0.00	0.0	0.3	0.3	0.02	567.28
238.0	0.00	0.0	0.2	0.3	0.01	567.27
239.0	0.00	0.0	0.2	0.2	0.01	567.27
240.0	0.00	0.0	0.2	0.2	0.01	567.26
241.0	0.00	0.0	0.2	0.2	0.01	567.26
242.0	0.00	0.0	0.2	0.2	0.01	567.26
243.0	0.00	0.0	0.1	0.2	0.01	567.25
244.0	0.00	0.0	0.1	0.1	0.01	567.25
245.0	0.00	0.0	0.1	0.1	0.01	567.25
246.0	0.00	0.0	0.1	0.1	0.01	567.25
247.0	0.00	0.0	0.1	0.1	0.01	567.25
248.0	0.00	0.0	0.1	0.1	0.00	567.24
249.0	0.00	0.0	0.1	0.1	0.00	567.24
250.0	0.00	0.0	0.1	0.1	0.00	567.24
251.0	0.00	0.0	0.1	0.1	0.00	567.24
252.0	0.00	0.0	0.1	0.1	0.00	567.24
253.0	0.00	0.0	0.0	0.1	0.00	567.24
254.0	0.00	0.0	0.0	0.0	0.00	567.24
255.0	0.00	0.0	0.0	0.0	0.00	567.24
256.0	0.00	0.0	0.0	0.0	0.00	567.24
257.0	0.00	0.0	0.0	0.0	0.00	567.24
258.0	0.00	0.0	0.0	0.0	0.00	567.23
259.0	0.00	0.0	0.0	0.0	0.00	567.23
260.0	0.00	0.0	0.0	0.0	0.00	567.23
261.0	0.00	0.0	0.0	0.0	0.00	567.23
262.0	0.00	0.0	0.0	0.0	0.00	567.23
263.0	0.00	0.0	0.0	0.0	0.00	567.23
264.0	0.00	0.0	0.0	0.0	0.00	567.23
265.0	0.00	0.0	0.0	0.0	0.00	567.23
266.0	0.00	0.0	0.0	0.0	0.00	567.23
267.0	0.00	0.0	0.0	0.0	0.00	567.23
268.0	0.00	0.0	0.0	0.0	0.00	567.23
269.0	0.00	0.0	0.0	0.0	0.00	567.23
270.0	0.00	0.0	0.0	0.0	0.00	567.23
271.0	0.00	0.0	0.0	0.0	0.00	567.23
272.0	0.00	0.0	0.0	0.0	0.00	567.23
273.0	0.00	0.0	0.0	0.0	0.00	567.23
274.0	0.00	0.0	0.0	0.0	0.00	567.23

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .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	567.23
276.0	0.00	0.0	0.0	0.0	0.00	567.23
277.0	0.00	0.0	0.0	0.0	0.00	567.23
278.0	0.00	0.0	0.0	0.0	0.00	567.23
279.0	0.00	0.0	0.0	0.0	0.00	567.23
280.0	0.00	0.0	0.0	0.0	0.00	567.23
281.0	0.00	0.0	0.0	0.0	0.00	567.23
282.0	0.00	0.0	0.0	0.0	0.00	567.23
283.0	0.00	0.0	0.0	0.0	0.00	567.23
284.0	0.00	0.0	0.0	0.0	0.00	567.23
285.0	0.00	0.0	0.0	0.0	0.00	567.23
286.0	0.00	0.0	0.0	0.0	0.00	567.23
287.0	0.00	0.0	0.0	0.0	0.00	567.23
288.0	0.00	0.0	0.0	0.0	0.00	567.23
289.0	0.00	0.0	0.0	0.0	0.00	567.23
290.0	0.00	0.0	0.0	0.0	0.00	567.23
291.0	0.00	0.0	0.0	0.0	0.00	567.23
292.0	0.00	0.0	0.0	0.0	0.00	567.23
293.0	0.00	0.0	0.0	0.0	0.00	567.23
294.0	0.00	0.0	0.0	0.0	0.00	567.23
295.0	0.00	0.0	0.0	0.0	0.00	567.23
296.0	0.00	0.0	0.0	0.0	0.00	567.23
297.0	0.00	0.0	0.0	0.0	0.00	567.23
298.0	0.00	0.0	0.0	0.0	0.00	567.23
299.0	0.00	0.0	0.0	0.0	0.00	567.23
300.0	0.00	0.0	0.0	0.0	0.00	567.23
301.0	0.00	0.0	0.0	0.0	0.00	567.23
302.0	0.00	0.0	0.0	0.0	0.00	567.23
303.0	0.00	0.0	0.0	0.0	0.00	567.23

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

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN15 .HYD

Starting Pond W.S. Elevation = 567.23 ft

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

Peak Inflow	=	23.87 cfs
Peak Outflow	=	6.51 cfs
Peak Elevation	=	571.18 ft

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

Initial Storage	=	0 cu-ft
Peak Storage From Storm	=	23,122 cu-ft
Total Storage in Pond	=	23,122 cu-ft

****
*
* FOXHAVEN ADDITION *
* DETENTION ANALYSIS *
* 04-05-084 *
* REVISED 11/29/05 *
*
****

Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Rating Table file: j:\DATA\0405084\BASIN .PND

----INITIAL CONDITIONS----
Elevation = 567.23 ft
Outflow = 0.00 cfs
Storage = 0 cu-ft

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
567.23	0.0	0
567.53	0.1	56
567.83	0.4	445
568.13	0.7	1,432
568.43	1.1	2,691
568.73	1.5	4,133
569.03	2.0	5,771
569.33	2.5	7,616
569.63	3.1	9,683
569.93	3.7	11,981
570.23	4.3	14,482
570.53	4.9	17,095
570.83	5.6	19,816
571.13	6.4	22,650
571.43	7.1	25,598
571.73	7.9	28,662
572.03	8.7	31,844
572.33	9.5	35,145
572.63	12.1	38,565
572.93	21.9	42,104
573.23	35.6	45,767
573.53	57.9	49,554
573.83	68.8	53,468
574.13	78.0	57,512
574.43	86.0	61,684
574.73	93.3	65,986
575.00	99.4	69,973

INTERMEDIATE ROUTING COMPUTATIONS

2S/t (cfs)	2S/t + O (cfs)
0.0	0.0
1.9	2.0
14.8	15.2
47.7	48.4
89.7	90.8
137.8	139.3
192.4	194.4
253.9	256.4
322.7	325.8
399.4	403.1
482.7	487.0
569.8	574.7
660.5	666.1
755.0	761.4
853.3	860.4
955.4	963.3
1061.5	1070.2
1171.5	1181.0
1285.5	1297.6
1403.5	1425.4
1525.6	1561.2
1651.8	1709.7
1782.3	1851.1
1917.1	1995.1
2056.1	2142.1
2199.5	2292.8
2332.4	2431.8

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .HYD

INFLOW HYDROGRAPH

TIME (min)	INFLOW (cfs)
0.0	0.00
1.0	2.95
2.0	8.84
3.0	11.79
4.0	17.68
5.0	20.63
6.0	26.52
7.0	29.47
8.0	29.47
9.0	29.47
10.0	29.47
11.0	29.47
12.0	29.47
13.0	29.47
14.0	29.47
15.0	29.47
16.0	29.47
17.0	29.47
18.0	29.47
19.0	29.47
20.0	29.47
21.0	26.52
22.0	20.63
23.0	17.68
24.0	11.79
25.0	8.84
26.0	2.95
27.0	0.00
28.0	0.00
29.0	0.00
30.0	0.00
31.0	0.00
32.0	0.00
33.0	0.00
34.0	0.00
35.0	0.00
36.0	0.00
37.0	0.00
38.0	0.00
39.0	0.00
40.0	0.00
41.0	0.00
42.0	0.00
43.0	0.00
44.0	0.00

ROUTING COMPUTATIONS

I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
-----	0.0	0.0	0.00	567.23
3.0	2.7	3.0	0.12	567.55
11.8	13.7	14.5	0.38	567.81
20.6	33.2	34.4	0.57	568.00
29.5	61.0	62.7	0.83	568.23
38.3	97.0	99.3	1.17	568.48
47.2	141.0	144.1	1.54	568.76
56.0	193.0	197.0	2.02	569.04
58.9	247.0	251.9	2.46	569.31
58.9	300.1	305.9	2.93	569.54
58.9	352.3	359.0	3.36	569.76
58.9	403.7	411.3	3.76	569.96
58.9	454.4	462.7	4.13	570.14
58.9	504.4	513.4	4.48	570.32
58.9	553.7	563.3	4.82	570.49
58.9	602.3	612.6	5.19	570.65
58.9	650.1	661.2	5.56	570.81
58.9	697.1	709.0	5.96	570.97
58.9	743.3	756.0	6.35	571.11
58.9	788.9	802.3	6.69	571.25
58.9	833.8	847.8	7.01	571.39
56.0	875.1	889.8	7.33	571.52
47.2	907.1	922.3	7.58	571.61
38.3	929.9	945.4	7.76	571.68
29.5	943.6	959.4	7.87	571.72
20.6	948.5	964.3	7.91	571.73
11.8	944.5	960.2	7.88	571.72
3.0	931.9	947.4	7.78	571.68
0.0	916.6	931.9	7.66	571.64
0.0	901.5	916.6	7.54	571.59
0.0	886.7	901.5	7.42	571.55
0.0	872.1	886.7	7.30	571.51
0.0	857.7	872.1	7.19	571.46
0.0	843.5	857.7	7.08	571.42
0.0	829.6	843.5	6.98	571.38
0.0	815.8	829.6	6.88	571.34
0.0	802.2	815.8	6.78	571.29
0.0	788.8	802.2	6.69	571.25
0.0	775.7	788.8	6.59	571.21
0.0	762.7	775.7	6.50	571.17
0.0	749.8	762.7	6.41	571.13
0.0	737.2	749.8	6.30	571.09
0.0	724.8	737.2	6.20	571.05
0.0	712.6	724.8	6.09	571.01
0.0	700.7	712.6	5.99	570.98

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	688.9	700.7	5.89	570.94
46.0	0.00	0.0	677.3	688.9	5.79	570.90
47.0	0.00	0.0	665.9	677.3	5.69	570.87
48.0	0.00	0.0	654.7	665.9	5.60	570.83
49.0	0.00	0.0	643.7	654.7	5.51	570.79
50.0	0.00	0.0	632.8	643.7	5.43	570.76
51.0	0.00	0.0	622.1	632.8	5.35	570.72
52.0	0.00	0.0	611.6	622.1	5.26	570.69
53.0	0.00	0.0	601.3	611.6	5.18	570.65
54.0	0.00	0.0	591.1	601.3	5.10	570.62
55.0	0.00	0.0	581.0	591.1	5.03	570.58
56.0	0.00	0.0	571.1	581.0	4.95	570.55
57.0	0.00	0.0	561.4	571.1	4.88	570.52
58.0	0.00	0.0	551.7	561.4	4.81	570.48
59.0	0.00	0.0	542.3	551.7	4.74	570.45
60.0	0.00	0.0	532.9	542.3	4.68	570.42
61.0	0.00	0.0	523.7	532.9	4.61	570.39
62.0	0.00	0.0	514.6	523.7	4.55	570.36
63.0	0.00	0.0	505.6	514.6	4.49	570.32
64.0	0.00	0.0	496.7	505.6	4.43	570.29
65.0	0.00	0.0	488.0	496.7	4.37	570.26
66.0	0.00	0.0	479.4	488.0	4.31	570.23
67.0	0.00	0.0	470.9	479.4	4.25	570.20
68.0	0.00	0.0	462.5	470.9	4.18	570.17
69.0	0.00	0.0	454.3	462.5	4.12	570.14
70.0	0.00	0.0	446.2	454.3	4.07	570.11
71.0	0.00	0.0	438.1	446.2	4.01	570.08
72.0	0.00	0.0	430.2	438.1	3.95	570.06
73.0	0.00	0.0	422.4	430.2	3.89	570.03
74.0	0.00	0.0	414.8	422.4	3.84	570.00
75.0	0.00	0.0	407.2	414.8	3.78	569.97
76.0	0.00	0.0	399.7	407.2	3.73	569.94
77.0	0.00	0.0	392.4	399.7	3.67	569.92
78.0	0.00	0.0	385.2	392.4	3.62	569.89
79.0	0.00	0.0	378.0	385.2	3.56	569.86
80.0	0.00	0.0	371.0	378.0	3.51	569.83
81.0	0.00	0.0	364.1	371.0	3.45	569.81
82.0	0.00	0.0	357.3	364.1	3.40	569.78
83.0	0.00	0.0	350.6	357.3	3.34	569.75
84.0	0.00	0.0	344.1	350.6	3.29	569.73
85.0	0.00	0.0	337.6	344.1	3.24	569.70
86.0	0.00	0.0	331.2	337.6	3.19	569.68
87.0	0.00	0.0	324.9	331.2	3.14	569.65
88.0	0.00	0.0	318.7	324.9	3.09	569.63
89.0	0.00	0.0	312.6	318.7	3.04	569.60
90.0	0.00	0.0	306.7	312.6	2.99	569.57

nd File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	300.8	306.7	2.93	569.55
92.0	0.00	0.0	295.0	300.8	2.88	569.52
93.0	0.00	0.0	289.4	295.0	2.83	569.50
94.0	0.00	0.0	283.8	289.4	2.78	569.47
95.0	0.00	0.0	278.3	283.8	2.74	569.45
96.0	0.00	0.0	272.9	278.3	2.69	569.42
97.0	0.00	0.0	267.7	272.9	2.64	569.40
98.0	0.00	0.0	262.5	267.7	2.60	569.38
99.0	0.00	0.0	257.4	262.5	2.55	569.36
100.0	0.00	0.0	252.3	257.4	2.51	569.33
101.0	0.00	0.0	247.4	252.3	2.47	569.31
102.0	0.00	0.0	242.6	247.4	2.43	569.29
103.0	0.00	0.0	237.8	242.6	2.39	569.26
104.0	0.00	0.0	233.1	237.8	2.35	569.24
105.0	0.00	0.0	228.5	233.1	2.31	569.22
106.0	0.00	0.0	223.9	228.5	2.27	569.19
107.0	0.00	0.0	219.4	223.9	2.24	569.17
108.0	0.00	0.0	215.0	219.4	2.20	569.15
109.0	0.00	0.0	210.7	215.0	2.17	569.13
110.0	0.00	0.0	206.4	210.7	2.13	569.11
111.0	0.00	0.0	202.2	206.4	2.10	569.09
112.0	0.00	0.0	198.1	202.2	2.06	569.07
113.0	0.00	0.0	194.0	198.1	2.03	569.05
114.0	0.00	0.0	190.0	194.0	2.00	569.03
115.0	0.00	0.0	186.1	190.0	1.96	569.01
116.0	0.00	0.0	182.3	186.1	1.93	568.99
117.0	0.00	0.0	178.5	182.3	1.89	568.96
118.0	0.00	0.0	174.8	178.5	1.86	568.94
119.0	0.00	0.0	171.1	174.8	1.82	568.92
120.0	0.00	0.0	167.6	171.1	1.79	568.90
121.0	0.00	0.0	164.0	167.6	1.76	568.88
122.0	0.00	0.0	160.6	164.0	1.72	568.86
123.0	0.00	0.0	157.2	160.6	1.69	568.85
124.0	0.00	0.0	153.9	157.2	1.66	568.83
125.0	0.00	0.0	150.6	153.9	1.63	568.81
126.0	0.00	0.0	147.4	150.6	1.60	568.79
127.0	0.00	0.0	144.3	147.4	1.57	568.77
128.0	0.00	0.0	141.2	144.3	1.55	568.76
129.0	0.00	0.0	138.1	141.2	1.52	568.74
130.0	0.00	0.0	135.2	138.1	1.49	568.72
131.0	0.00	0.0	132.2	135.2	1.47	568.70
132.0	0.00	0.0	129.3	132.2	1.44	568.69
133.0	0.00	0.0	126.5	129.3	1.42	568.67
134.0	0.00	0.0	123.7	126.5	1.39	568.65
135.0	0.00	0.0	121.0	123.7	1.37	568.63
136.0	0.00	0.0	118.3	121.0	1.35	568.62

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	115.6	118.3	1.33	568.60
138.0	0.00	0.0	113.0	115.6	1.30	568.58
139.0	0.00	0.0	110.4	113.0	1.28	568.57
140.0	0.00	0.0	107.9	110.4	1.26	568.55
141.0	0.00	0.0	105.4	107.9	1.24	568.54
142.0	0.00	0.0	103.0	105.4	1.22	568.52
143.0	0.00	0.0	100.6	103.0	1.20	568.51
144.0	0.00	0.0	98.2	100.6	1.18	568.49
145.0	0.00	0.0	95.9	98.2	1.16	568.48
146.0	0.00	0.0	93.6	95.9	1.14	568.46
147.0	0.00	0.0	91.4	93.6	1.12	568.45
148.0	0.00	0.0	89.2	91.4	1.10	568.43
149.0	0.00	0.0	87.0	89.2	1.08	568.42
150.0	0.00	0.0	84.9	87.0	1.06	568.40
151.0	0.00	0.0	82.8	84.9	1.04	568.39
152.0	0.00	0.0	80.7	82.8	1.02	568.37
153.0	0.00	0.0	78.7	80.7	1.00	568.36
154.0	0.00	0.0	76.8	78.7	0.99	568.34
155.0	0.00	0.0	74.8	76.8	0.97	568.33
156.0	0.00	0.0	72.9	74.8	0.95	568.32
157.0	0.00	0.0	71.1	72.9	0.93	568.30
158.0	0.00	0.0	69.2	71.1	0.91	568.29
159.0	0.00	0.0	67.4	69.2	0.90	568.28
160.0	0.00	0.0	65.7	67.4	0.88	568.26
161.0	0.00	0.0	64.0	65.7	0.86	568.25
162.0	0.00	0.0	62.3	64.0	0.85	568.24
163.0	0.00	0.0	60.6	62.3	0.83	568.23
164.0	0.00	0.0	59.0	60.6	0.81	568.22
165.0	0.00	0.0	57.4	59.0	0.80	568.20
166.0	0.00	0.0	55.8	57.4	0.78	568.19
167.0	0.00	0.0	54.3	55.8	0.77	568.18
168.0	0.00	0.0	52.8	54.3	0.76	568.17
169.0	0.00	0.0	51.3	52.8	0.74	568.16
170.0	0.00	0.0	49.8	51.3	0.73	568.15
171.0	0.00	0.0	48.4	49.8	0.71	568.14
172.0	0.00	0.0	47.0	48.4	0.70	568.13
173.0	0.00	0.0	45.6	47.0	0.69	568.12
174.0	0.00	0.0	44.3	45.6	0.67	568.10
175.0	0.00	0.0	43.0	44.3	0.66	568.09
176.0	0.00	0.0	41.6	43.0	0.65	568.08
177.0	0.00	0.0	40.4	41.6	0.64	568.07
178.0	0.00	0.0	39.1	40.4	0.63	568.06
179.0	0.00	0.0	37.9	39.1	0.62	568.05
180.0	0.00	0.0	36.7	37.9	0.60	568.03
181.0	0.00	0.0	35.5	36.7	0.59	568.02
182.0	0.00	0.0	34.3	35.5	0.58	568.01

Pond File: j:\DATA\0405084\BASIN .POND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	33.2	34.3	0.57	568.00
184.0	0.00	0.0	32.1	33.2	0.56	567.99
185.0	0.00	0.0	30.9	32.1	0.55	567.98
186.0	0.00	0.0	29.9	30.9	0.54	567.97
187.0	0.00	0.0	28.8	29.9	0.53	567.96
188.0	0.00	0.0	27.8	28.8	0.52	567.95
189.0	0.00	0.0	26.7	27.8	0.51	567.94
190.0	0.00	0.0	25.7	26.7	0.50	567.93
191.0	0.00	0.0	24.7	25.7	0.49	567.92
192.0	0.00	0.0	23.8	24.7	0.49	567.92
193.0	0.00	0.0	22.8	23.8	0.48	567.91
194.0	0.00	0.0	21.9	22.8	0.47	567.90
195.0	0.00	0.0	20.9	21.9	0.46	567.89
196.0	0.00	0.0	20.0	20.9	0.45	567.88
197.0	0.00	0.0	19.2	20.0	0.44	567.87
198.0	0.00	0.0	18.3	19.2	0.44	567.87
199.0	0.00	0.0	17.4	18.3	0.43	567.86
200.0	0.00	0.0	16.6	17.4	0.42	567.85
201.0	0.00	0.0	15.8	16.6	0.41	567.84
202.0	0.00	0.0	15.0	15.8	0.40	567.83
203.0	0.00	0.0	14.2	15.0	0.39	567.82
204.0	0.00	0.0	13.4	14.2	0.38	567.81
205.0	0.00	0.0	12.7	13.4	0.36	567.79
206.0	0.00	0.0	12.0	12.7	0.34	567.77
207.0	0.00	0.0	11.4	12.0	0.33	567.76
208.0	0.00	0.0	10.7	11.4	0.31	567.74
209.0	0.00	0.0	10.1	10.7	0.30	567.73
210.0	0.00	0.0	9.6	10.1	0.28	567.71
211.0	0.00	0.0	9.0	9.6	0.27	567.70
212.0	0.00	0.0	8.5	9.0	0.26	567.69
213.0	0.00	0.0	8.0	8.5	0.25	567.68
214.0	0.00	0.0	7.5	8.0	0.24	567.67
215.0	0.00	0.0	7.1	7.5	0.23	567.66
216.0	0.00	0.0	6.7	7.1	0.22	567.65
217.0	0.00	0.0	6.2	6.7	0.21	567.64
218.0	0.00	0.0	5.8	6.2	0.20	567.63
219.0	0.00	0.0	5.5	5.8	0.19	567.62
220.0	0.00	0.0	5.1	5.5	0.18	567.61
221.0	0.00	0.0	4.8	5.1	0.17	567.60
222.0	0.00	0.0	4.4	4.8	0.16	567.59
223.0	0.00	0.0	4.1	4.4	0.16	567.59
224.0	0.00	0.0	3.8	4.1	0.15	567.58
225.0	0.00	0.0	3.5	3.8	0.14	567.57
226.0	0.00	0.0	3.3	3.5	0.14	567.57
227.0	0.00	0.0	3.0	3.3	0.13	567.56
228.0	0.00	0.0	2.8	3.0	0.12	567.55

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	2.5	2.8	0.12	567.55
230.0	0.00	0.0	2.3	2.5	0.11	567.54
231.0	0.00	0.0	2.1	2.3	0.11	567.54
232.0	0.00	0.0	1.9	2.1	0.10	567.53
233.0	0.00	0.0	1.7	1.9	0.10	567.52
234.0	0.00	0.0	1.5	1.7	0.09	567.49
235.0	0.00	0.0	1.4	1.5	0.08	567.46
236.0	0.00	0.0	1.2	1.4	0.07	567.44
237.0	0.00	0.0	1.1	1.2	0.06	567.42
238.0	0.00	0.0	1.0	1.1	0.06	567.40
239.0	0.00	0.0	0.9	1.0	0.05	567.38
240.0	0.00	0.0	0.8	0.9	0.05	567.37
241.0	0.00	0.0	0.7	0.8	0.04	567.35
242.0	0.00	0.0	0.6	0.7	0.04	567.34
243.0	0.00	0.0	0.6	0.6	0.03	567.33
244.0	0.00	0.0	0.5	0.6	0.03	567.32
245.0	0.00	0.0	0.5	0.5	0.03	567.31
246.0	0.00	0.0	0.4	0.5	0.02	567.30
247.0	0.00	0.0	0.4	0.4	0.02	567.29
248.0	0.00	0.0	0.3	0.4	0.02	567.29
249.0	0.00	0.0	0.3	0.3	0.02	567.28
250.0	0.00	0.0	0.3	0.3	0.02	567.28
251.0	0.00	0.0	0.2	0.3	0.01	567.27
252.0	0.00	0.0	0.2	0.2	0.01	567.27
253.0	0.00	0.0	0.2	0.2	0.01	567.26
254.0	0.00	0.0	0.2	0.2	0.01	567.26
255.0	0.00	0.0	0.2	0.2	0.01	567.26
256.0	0.00	0.0	0.1	0.2	0.01	567.25
257.0	0.00	0.0	0.1	0.1	0.01	567.25
258.0	0.00	0.0	0.1	0.1	0.01	567.25
259.0	0.00	0.0	0.1	0.1	0.01	567.25
260.0	0.00	0.0	0.1	0.1	0.01	567.25
261.0	0.00	0.0	0.1	0.1	0.00	567.24
262.0	0.00	0.0	0.1	0.1	0.00	567.24
263.0	0.00	0.0	0.1	0.1	0.00	567.24
264.0	0.00	0.0	0.1	0.1	0.00	567.24
265.0	0.00	0.0	0.1	0.1	0.00	567.24
266.0	0.00	0.0	0.0	0.1	0.00	567.24
267.0	0.00	0.0	0.0	0.0	0.00	567.24
268.0	0.00	0.0	0.0	0.0	0.00	567.24
269.0	0.00	0.0	0.0	0.0	0.00	567.24
270.0	0.00	0.0	0.0	0.0	0.00	567.24
271.0	0.00	0.0	0.0	0.0	0.00	567.23
272.0	0.00	0.0	0.0	0.0	0.00	567.23
273.0	0.00	0.0	0.0	0.0	0.00	567.23
274.0	0.00	0.0	0.0	0.0	0.00	567.23

nd File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .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	567.23
276.0	0.00	0.0	0.0	0.0	0.00	567.23
277.0	0.00	0.0	0.0	0.0	0.00	567.23
278.0	0.00	0.0	0.0	0.0	0.00	567.23
279.0	0.00	0.0	0.0	0.0	0.00	567.23
280.0	0.00	0.0	0.0	0.0	0.00	567.23
281.0	0.00	0.0	0.0	0.0	0.00	567.23
282.0	0.00	0.0	0.0	0.0	0.00	567.23
283.0	0.00	0.0	0.0	0.0	0.00	567.23
284.0	0.00	0.0	0.0	0.0	0.00	567.23
285.0	0.00	0.0	0.0	0.0	0.00	567.23
286.0	0.00	0.0	0.0	0.0	0.00	567.23
287.0	0.00	0.0	0.0	0.0	0.00	567.23
288.0	0.00	0.0	0.0	0.0	0.00	567.23
289.0	0.00	0.0	0.0	0.0	0.00	567.23
290.0	0.00	0.0	0.0	0.0	0.00	567.23
291.0	0.00	0.0	0.0	0.0	0.00	567.23
292.0	0.00	0.0	0.0	0.0	0.00	567.23
293.0	0.00	0.0	0.0	0.0	0.00	567.23
294.0	0.00	0.0	0.0	0.0	0.00	567.23
295.0	0.00	0.0	0.0	0.0	0.00	567.23
296.0	0.00	0.0	0.0	0.0	0.00	567.23
297.0	0.00	0.0	0.0	0.0	0.00	567.23
298.0	0.00	0.0	0.0	0.0	0.00	567.23
299.0	0.00	0.0	0.0	0.0	0.00	567.23
300.0	0.00	0.0	0.0	0.0	0.00	567.23
301.0	0.00	0.0	0.0	0.0	0.00	567.23
302.0	0.00	0.0	0.0	0.0	0.00	567.23
303.0	0.00	0.0	0.0	0.0	0.00	567.23

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

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN25 .HYD

Starting Pond W.S. Elevation = 567.23 ft

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

Peak Inflow	=	29.47 cfs
Peak Outflow	=	7.91 cfs
Peak Elevation	=	571.73 ft

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

Initial Storage	=	0 cu-ft
Peak Storage From Storm	=	28,691 cu-ft
Total Storage in Pond	=	28,691 cu-ft

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**************************
*                        *
*   FOXHAVEN ADDITION    *
*  DETENTION ANALYSIS    *
*       04-05-084        *
*   REVISED 11/29/05     *
*                        *
**************************
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Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Rating Table file: j:\DATA\0405084\BASIN .PND

----INITIAL CONDITIONS----
Elevation = 567.23 ft
Outflow = 0.00 cfs
Storage = 0 cu-ft

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
567.23	0.0	0
567.53	0.1	56
567.83	0.4	445
568.13	0.7	1,432
568.43	1.1	2,691
568.73	1.5	4,133
569.03	2.0	5,771
569.33	2.5	7,616
569.63	3.1	9,683
569.93	3.7	11,981
570.23	4.3	14,482
570.53	4.9	17,095
570.83	5.6	19,816
571.13	6.4	22,650
571.43	7.1	25,598
571.73	7.9	28,662
572.03	8.7	31,844
572.33	9.5	35,145
572.63	12.1	38,565
572.93	21.9	42,104
573.23	35.6	45,767
573.53	57.9	49,554
573.83	68.8	53,468
574.13	78.0	57,512
574.43	86.0	61,684
574.73	93.3	65,986
575.00	99.4	69,973

INTERMEDIATE ROUTING COMPUTATIONS

2S/t (cfs)	2S/t + O (cfs)
0.0	0.0
1.9	2.0
14.8	15.2
47.7	48.4
89.7	90.8
137.8	139.3
192.4	194.4
253.9	256.4
322.7	325.8
399.4	403.1
482.7	487.0
569.8	574.7
660.5	666.1
755.0	761.4
853.3	860.4
955.4	963.3
1061.5	1070.2
1171.5	1181.0
1285.5	1297.6
1403.5	1425.4
1525.6	1561.2
1651.8	1709.7
1782.3	1851.1
1917.1	1995.1
2056.1	2142.1
2199.5	2292.8
2332.4	2431.8

Time increment (t) = 1.0 min.

nd File: j:\DATA\0405084\BASIN .PND
nflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .HYD

INFLOW HYDROGRAPH

TIME (min)	INFLOW (cfs)
0.0	0.00
1.0	3.77
2.0	11.31
3.0	15.08
4.0	22.62
5.0	26.39
6.0	33.93
7.0	37.70
8.0	37.70
9.0	37.70
10.0	37.70
11.0	37.70
12.0	37.70
13.0	37.70
14.0	37.70
15.0	37.70
16.0	37.70
17.0	37.70
18.0	37.70
19.0	37.70
20.0	37.70
21.0	33.93
22.0	26.39
23.0	22.62
24.0	15.08
25.0	11.31
26.0	3.77
27.0	0.00
28.0	0.00
29.0	0.00
30.0	0.00
31.0	0.00
32.0	0.00
33.0	0.00
34.0	0.00
35.0	0.00
36.0	0.00
37.0	0.00
38.0	0.00
39.0	0.00
40.0	0.00
41.0	0.00
42.0	0.00
43.0	0.00
44.0	0.00

ROUTING COMPUTATIONS

I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
-----	0.0	0.0	0.00	567.23
3.8	3.5	3.8	0.14	567.57
15.1	17.7	18.6	0.43	567.86
26.4	42.8	44.1	0.66	568.09
37.7	78.5	80.5	1.00	568.36
49.0	124.7	127.5	1.40	568.66
60.3	181.2	185.0	1.91	568.98
71.6	247.9	252.8	2.47	569.31
75.4	317.1	323.3	3.08	569.62
75.4	385.3	392.5	3.62	569.89
75.4	452.4	460.7	4.11	570.14
75.4	518.7	527.8	4.58	570.37
75.4	584.0	594.1	5.05	570.59
75.4	648.3	659.4	5.55	570.81
75.4	711.5	723.7	6.08	571.01
75.4	773.8	786.9	6.58	571.21
75.4	835.1	849.2	7.02	571.40
75.4	895.5	910.5	7.49	571.58
75.4	955.0	970.9	7.96	571.75
75.4	1013.6	1030.4	8.40	571.92
75.4	1071.3	1089.0	8.84	572.08
71.6	1124.5	1143.0	9.23	572.23
60.3	1165.7	1184.8	9.59	572.34
49.0	1194.2	1214.7	10.25	572.42
37.7	1210.6	1231.9	10.63	572.46
26.4	1215.5	1237.0	10.75	572.47
15.1	1209.4	1230.6	10.61	572.46
3.8	1192.7	1213.1	10.22	572.41
0.0	1173.2	1192.7	9.76	572.36
0.0	1154.3	1173.2	9.44	572.31
0.0	1135.7	1154.3	9.31	572.26
0.0	1117.3	1135.7	9.17	572.21
0.0	1099.3	1117.3	9.04	572.16
0.0	1081.4	1099.3	8.91	572.11
0.0	1063.9	1081.4	8.78	572.06
0.0	1046.6	1063.9	8.65	572.01
0.0	1029.5	1046.6	8.52	571.96
0.0	1012.7	1029.5	8.40	571.92
0.0	996.2	1012.7	8.27	571.87
0.0	979.9	996.2	8.15	571.82
0.0	963.8	979.9	8.02	571.78
0.0	948.0	963.8	7.90	571.73
0.0	932.5	948.0	7.78	571.69
0.0	917.2	932.5	7.66	571.64
0.0	902.1	917.2	7.54	571.60

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .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	887.2	902.1	7.42	571.55
46.0	0.00	0.0	872.6	887.2	7.31	571.51
47.0	0.00	0.0	858.2	872.6	7.20	571.47
48.0	0.00	0.0	844.0	858.2	7.08	571.42
49.0	0.00	0.0	830.1	844.0	6.98	571.38
50.0	0.00	0.0	816.3	830.1	6.89	571.34
51.0	0.00	0.0	802.7	816.3	6.79	571.30
52.0	0.00	0.0	789.3	802.7	6.69	571.26
53.0	0.00	0.0	776.1	789.3	6.60	571.21
54.0	0.00	0.0	763.1	776.1	6.50	571.17
55.0	0.00	0.0	750.3	763.1	6.41	571.14
56.0	0.00	0.0	737.7	750.3	6.31	571.10
57.0	0.00	0.0	725.3	737.7	6.20	571.06
58.0	0.00	0.0	713.1	725.3	6.10	571.02
59.0	0.00	0.0	701.1	713.1	5.99	570.98
60.0	0.00	0.0	689.3	701.1	5.89	570.94
61.0	0.00	0.0	677.7	689.3	5.79	570.90
62.0	0.00	0.0	666.3	677.7	5.70	570.87
63.0	0.00	0.0	655.1	666.3	5.60	570.83
64.0	0.00	0.0	644.1	655.1	5.52	570.79
65.0	0.00	0.0	633.2	644.1	5.43	570.76
66.0	0.00	0.0	622.6	633.2	5.35	570.72
67.0	0.00	0.0	612.0	622.6	5.27	570.69
68.0	0.00	0.0	601.6	612.0	5.19	570.65
69.0	0.00	0.0	591.4	601.6	5.11	570.62
70.0	0.00	0.0	581.4	591.4	5.03	570.58
71.0	0.00	0.0	571.5	581.4	4.95	570.55
72.0	0.00	0.0	561.7	571.5	4.88	570.52
73.0	0.00	0.0	552.1	561.7	4.81	570.49
74.0	0.00	0.0	542.6	552.1	4.75	570.45
75.0	0.00	0.0	533.3	542.6	4.68	570.42
76.0	0.00	0.0	524.0	533.3	4.62	570.39
77.0	0.00	0.0	514.9	524.0	4.55	570.36
78.0	0.00	0.0	505.9	514.9	4.49	570.33
79.0	0.00	0.0	497.1	505.9	4.43	570.29
80.0	0.00	0.0	488.3	497.1	4.37	570.26
81.0	0.00	0.0	479.7	488.3	4.31	570.23
82.0	0.00	0.0	471.2	479.7	4.25	570.20
83.0	0.00	0.0	462.8	471.2	4.19	570.17
84.0	0.00	0.0	454.6	462.8	4.13	570.14
85.0	0.00	0.0	446.5	454.6	4.07	570.11
86.0	0.00	0.0	438.4	446.5	4.01	570.08
87.0	0.00	0.0	430.5	438.4	3.95	570.06
88.0	0.00	0.0	422.7	430.5	3.90	570.03
89.0	0.00	0.0	415.1	422.7	3.84	570.00
90.0	0.00	0.0	407.5	415.1	3.79	569.97

nd File: j:\DATA\0405084\BASIN .PND
..flow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .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	400.0	407.5	3.73	569.95
92.0	0.00	0.0	392.7	400.0	3.68	569.92
93.0	0.00	0.0	385.4	392.7	3.62	569.89
94.0	0.00	0.0	378.3	385.4	3.56	569.86
95.0	0.00	0.0	371.3	378.3	3.51	569.83
96.0	0.00	0.0	364.4	371.3	3.45	569.81
97.0	0.00	0.0	357.6	364.4	3.40	569.78
98.0	0.00	0.0	350.9	357.6	3.35	569.75
99.0	0.00	0.0	344.3	350.9	3.29	569.73
100.0	0.00	0.0	337.8	344.3	3.24	569.70
101.0	0.00	0.0	331.4	337.8	3.19	569.68
102.0	0.00	0.0	325.1	331.4	3.14	569.65
103.0	0.00	0.0	319.0	325.1	3.09	569.63
104.0	0.00	0.0	312.9	319.0	3.04	569.60
105.0	0.00	0.0	306.9	312.9	2.99	569.57
106.0	0.00	0.0	301.0	306.9	2.94	569.55
107.0	0.00	0.0	295.3	301.0	2.89	569.52
108.0	0.00	0.0	289.6	295.3	2.84	569.50
109.0	0.00	0.0	284.0	289.6	2.79	569.47
110.0	0.00	0.0	278.5	284.0	2.74	569.45
111.0	0.00	0.0	273.2	278.5	2.69	569.43
112.0	0.00	0.0	267.9	273.2	2.64	569.40
113.0	0.00	0.0	262.7	267.9	2.60	569.38
114.0	0.00	0.0	257.6	262.7	2.55	569.36
115.0	0.00	0.0	252.5	257.6	2.51	569.34
116.0	0.00	0.0	247.6	252.5	2.47	569.31
117.0	0.00	0.0	242.7	247.6	2.43	569.29
118.0	0.00	0.0	238.0	242.7	2.39	569.26
119.0	0.00	0.0	233.3	238.0	2.35	569.24
120.0	0.00	0.0	228.6	233.3	2.31	569.22
121.0	0.00	0.0	224.1	228.6	2.28	569.20
122.0	0.00	0.0	219.6	224.1	2.24	569.17
123.0	0.00	0.0	215.2	219.6	2.20	569.15
124.0	0.00	0.0	210.9	215.2	2.17	569.13
125.0	0.00	0.0	206.6	210.9	2.13	569.11
126.0	0.00	0.0	202.4	206.6	2.10	569.09
127.0	0.00	0.0	198.3	202.4	2.06	569.07
128.0	0.00	0.0	194.2	198.3	2.03	569.05
129.0	0.00	0.0	190.2	194.2	2.00	569.03
130.0	0.00	0.0	186.3	190.2	1.96	569.01
131.0	0.00	0.0	182.4	186.3	1.93	568.99
132.0	0.00	0.0	178.6	182.4	1.89	568.96
133.0	0.00	0.0	174.9	178.6	1.86	568.94
134.0	0.00	0.0	171.3	174.9	1.82	568.92
135.0	0.00	0.0	167.7	171.3	1.79	568.90
136.0	0.00	0.0	164.2	167.7	1.76	568.88

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .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	160.7	164.2	1.73	568.87
138.0	0.00	0.0	157.3	160.7	1.69	568.85
139.0	0.00	0.0	154.0	157.3	1.66	568.83
140.0	0.00	0.0	150.7	154.0	1.63	568.81
141.0	0.00	0.0	147.5	150.7	1.60	568.79
142.0	0.00	0.0	144.4	147.5	1.57	568.77
143.0	0.00	0.0	141.3	144.4	1.55	568.76
144.0	0.00	0.0	138.3	141.3	1.52	568.74
145.0	0.00	0.0	135.3	138.3	1.49	568.72
146.0	0.00	0.0	132.3	135.3	1.47	568.71
147.0	0.00	0.0	129.5	132.3	1.44	568.69
148.0	0.00	0.0	126.6	129.5	1.42	568.67
149.0	0.00	0.0	123.8	126.6	1.40	568.65
150.0	0.00	0.0	121.1	123.8	1.37	568.63
151.0	0.00	0.0	118.4	121.1	1.35	568.62
152.0	0.00	0.0	115.7	118.4	1.33	568.60
153.0	0.00	0.0	113.1	115.7	1.31	568.58
154.0	0.00	0.0	110.5	113.1	1.28	568.57
155.0	0.00	0.0	108.0	110.5	1.26	568.55
156.0	0.00	0.0	105.5	108.0	1.24	568.54
157.0	0.00	0.0	103.1	105.5	1.22	568.52
158.0	0.00	0.0	100.7	103.1	1.20	568.51
159.0	0.00	0.0	98.3	100.7	1.18	568.49
160.0	0.00	0.0	96.0	98.3	1.16	568.48
161.0	0.00	0.0	93.7	96.0	1.14	568.46
162.0	0.00	0.0	91.5	93.7	1.12	568.45
163.0	0.00	0.0	89.3	91.5	1.11	568.43
164.0	0.00	0.0	87.1	89.3	1.09	568.42
165.0	0.00	0.0	85.0	87.1	1.06	568.40
166.0	0.00	0.0	82.9	85.0	1.04	568.39
167.0	0.00	0.0	80.8	82.9	1.03	568.37
168.0	0.00	0.0	78.8	80.8	1.01	568.36
169.0	0.00	0.0	76.8	78.8	0.99	568.35
170.0	0.00	0.0	74.9	76.8	0.97	568.33
171.0	0.00	0.0	73.0	74.9	0.95	568.32
172.0	0.00	0.0	71.1	73.0	0.93	568.30
173.0	0.00	0.0	69.3	71.1	0.91	568.29
174.0	0.00	0.0	67.5	69.3	0.90	568.28
175.0	0.00	0.0	65.8	67.5	0.88	568.27
176.0	0.00	0.0	64.0	65.8	0.86	568.25
177.0	0.00	0.0	62.3	64.0	0.85	568.24
178.0	0.00	0.0	60.7	62.3	0.83	568.23
179.0	0.00	0.0	59.0	60.7	0.82	568.22
180.0	0.00	0.0	57.4	59.0	0.80	568.21
181.0	0.00	0.0	55.9	57.4	0.78	568.19
182.0	0.00	0.0	54.3	55.9	0.77	568.18

nd File: j:\DATA\0405084\BASIN .PND
nflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .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	52.8	54.3	0.76	568.17
184.0	0.00	0.0	51.3	52.8	0.74	568.16
185.0	0.00	0.0	49.9	51.3	0.73	568.15
186.0	0.00	0.0	48.5	49.9	0.71	568.14
187.0	0.00	0.0	47.1	48.5	0.70	568.13
188.0	0.00	0.0	45.7	47.1	0.69	568.12
189.0	0.00	0.0	44.3	45.7	0.68	568.11
190.0	0.00	0.0	43.0	44.3	0.66	568.09
191.0	0.00	0.0	41.7	43.0	0.65	568.08
192.0	0.00	0.0	40.4	41.7	0.64	568.07
193.0	0.00	0.0	39.2	40.4	0.63	568.06
194.0	0.00	0.0	37.9	39.2	0.62	568.05
195.0	0.00	0.0	36.7	37.9	0.61	568.04
196.0	0.00	0.0	35.5	36.7	0.59	568.02
197.0	0.00	0.0	34.4	35.5	0.58	568.01
198.0	0.00	0.0	33.2	34.4	0.57	568.00
199.0	0.00	0.0	32.1	33.2	0.56	567.99
200.0	0.00	0.0	31.0	32.1	0.55	567.98
201.0	0.00	0.0	29.9	31.0	0.54	567.97
202.0	0.00	0.0	28.8	29.9	0.53	567.96
203.0	0.00	0.0	27.8	28.8	0.52	567.95
204.0	0.00	0.0	26.8	27.8	0.51	567.94
205.0	0.00	0.0	25.8	26.8	0.50	567.93
206.0	0.00	0.0	24.8	25.8	0.50	567.93
207.0	0.00	0.0	23.8	24.8	0.49	567.92
208.0	0.00	0.0	22.8	23.8	0.48	567.91
209.0	0.00	0.0	21.9	22.8	0.47	567.90
210.0	0.00	0.0	21.0	21.9	0.46	567.89
211.0	0.00	0.0	20.1	21.0	0.45	567.88
212.0	0.00	0.0	19.2	20.1	0.44	567.87
213.0	0.00	0.0	18.3	19.2	0.44	567.87
214.0	0.00	0.0	17.5	18.3	0.43	567.86
215.0	0.00	0.0	16.6	17.5	0.42	567.85
216.0	0.00	0.0	15.8	16.6	0.41	567.84
217.0	0.00	0.0	15.0	15.8	0.41	567.84
218.0	0.00	0.0	14.2	15.0	0.39	567.82
219.0	0.00	0.0	13.4	14.2	0.38	567.81
220.0	0.00	0.0	12.7	13.4	0.36	567.79
221.0	0.00	0.0	12.0	12.7	0.34	567.77
222.0	0.00	0.0	11.4	12.0	0.33	567.76
223.0	0.00	0.0	10.8	11.4	0.31	567.74
224.0	0.00	0.0	10.2	10.8	0.30	567.73
225.0	0.00	0.0	9.6	10.2	0.29	567.72
226.0	0.00	0.0	9.0	9.6	0.27	567.70
227.0	0.00	0.0	8.5	9.0	0.26	567.69
228.0	0.00	0.0	8.0	8.5	0.25	567.68

nd File: j:\DATA\0405084\BASIN .PND
nflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .HYD

INFLOW HYDROGRAPH

TIME (min)	INFLOW (cfs)
229.0	0.00
230.0	0.00
231.0	0.00
232.0	0.00
233.0	0.00
234.0	0.00
235.0	0.00
236.0	0.00
237.0	0.00
238.0	0.00
239.0	0.00
240.0	0.00
241.0	0.00
242.0	0.00
243.0	0.00
244.0	0.00
245.0	0.00
246.0	0.00
247.0	0.00
248.0	0.00
249.0	0.00
250.0	0.00
251.0	0.00
252.0	0.00
253.0	0.00
254.0	0.00
255.0	0.00
256.0	0.00
257.0	0.00
258.0	0.00
259.0	0.00
260.0	0.00
261.0	0.00
262.0	0.00
263.0	0.00
264.0	0.00
265.0	0.00
266.0	0.00
267.0	0.00
268.0	0.00
269.0	0.00
270.0	0.00
271.0	0.00
272.0	0.00
273.0	0.00
274.0	0.00

ROUTING COMPUTATIONS

I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	7.6	8.0	0.24	567.67
0.0	7.1	7.6	0.23	567.66
0.0	6.7	7.1	0.22	567.65
0.0	6.3	6.7	0.21	567.64
0.0	5.9	6.3	0.20	567.63
0.0	5.5	5.9	0.19	567.62
0.0	5.1	5.5	0.18	567.61
0.0	4.8	5.1	0.17	567.60
0.0	4.5	4.8	0.16	567.59
0.0	4.1	4.5	0.16	567.59
0.0	3.8	4.1	0.15	567.58
0.0	3.6	3.8	0.14	567.57
0.0	3.3	3.6	0.14	567.57
0.0	3.0	3.3	0.13	567.56
0.0	2.8	3.0	0.12	567.55
0.0	2.5	2.8	0.12	567.55
0.0	2.3	2.5	0.11	567.54
0.0	2.1	2.3	0.11	567.54
0.0	1.9	2.1	0.10	567.53
0.0	1.7	1.9	0.10	567.52
0.0	1.5	1.7	0.09	567.49
0.0	1.4	1.5	0.08	567.46
0.0	1.2	1.4	0.07	567.44
0.0	1.1	1.2	0.06	567.42
0.0	1.0	1.1	0.06	567.40
0.0	0.9	1.0	0.05	567.38
0.0	0.8	0.9	0.05	567.37
0.0	0.7	0.8	0.04	567.35
0.0	0.6	0.7	0.04	567.34
0.0	0.6	0.6	0.03	567.33
0.0	0.5	0.6	0.03	567.32
0.0	0.5	0.5	0.03	567.31
0.0	0.4	0.5	0.02	567.30
0.0	0.4	0.4	0.02	567.29
0.0	0.3	0.4	0.02	567.29
0.0	0.3	0.3	0.02	567.28
0.0	0.3	0.3	0.02	567.28
0.0	0.2	0.3	0.01	567.27
0.0	0.2	0.2	0.01	567.27
0.0	0.2	0.2	0.01	567.26
0.0	0.2	0.2	0.01	567.26
0.0	0.2	0.2	0.01	567.26
0.0	0.1	0.2	0.01	567.25
0.0	0.1	0.1	0.01	567.25
0.0	0.1	0.1	0.01	567.25
0.0	0.1	0.1	0.01	567.25

nd File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .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	0.1	0.1	0.01	567.25
276.0	0.00	0.0	0.1	0.1	0.00	567.24
277.0	0.00	0.0	0.1	0.1	0.00	567.24
278.0	0.00	0.0	0.1	0.1	0.00	567.24
279.0	0.00	0.0	0.1	0.1	0.00	567.24
280.0	0.00	0.0	0.1	0.1	0.00	567.24
281.0	0.00	0.0	0.0	0.1	0.00	567.24
282.0	0.00	0.0	0.0	0.0	0.00	567.24
283.0	0.00	0.0	0.0	0.0	0.00	567.24
284.0	0.00	0.0	0.0	0.0	0.00	567.24
285.0	0.00	0.0	0.0	0.0	0.00	567.24
286.0	0.00	0.0	0.0	0.0	0.00	567.23
287.0	0.00	0.0	0.0	0.0	0.00	567.23
288.0	0.00	0.0	0.0	0.0	0.00	567.23
289.0	0.00	0.0	0.0	0.0	0.00	567.23
290.0	0.00	0.0	0.0	0.0	0.00	567.23
291.0	0.00	0.0	0.0	0.0	0.00	567.23
292.0	0.00	0.0	0.0	0.0	0.00	567.23
293.0	0.00	0.0	0.0	0.0	0.00	567.23
294.0	0.00	0.0	0.0	0.0	0.00	567.23
295.0	0.00	0.0	0.0	0.0	0.00	567.23
296.0	0.00	0.0	0.0	0.0	0.00	567.23
297.0	0.00	0.0	0.0	0.0	0.00	567.23
298.0	0.00	0.0	0.0	0.0	0.00	567.23
299.0	0.00	0.0	0.0	0.0	0.00	567.23
300.0	0.00	0.0	0.0	0.0	0.00	567.23
301.0	0.00	0.0	0.0	0.0	0.00	567.23
302.0	0.00	0.0	0.0	0.0	0.00	567.23
303.0	0.00	0.0	0.0	0.0	0.00	567.23

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

Pond File: j:\DATA\0405084\BASIN .PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BASN100 .HYD

Starting Pond W.S. Elevation = 567.23 ft

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

Peak Inflow	=	37.70 cfs
Peak Outflow	=	10.75 cfs
Peak Elevation	=	572.47 ft

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

Initial Storage	=	0 cu-ft
Peak Storage From Storm	=	36,788 cu-ft
Total Storage in Pond	=	36,788 cu-ft

Outlet Structure File: BASINBLK.STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05
****

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

Elevation (ft)	Q (cfs)	Contributing Structures
572.50	0.0	3
572.70	3.5	3
572.90	9.8	3
573.10	18.0	3
573.30	27.8	3
573.50	40.0	4
573.70	47.4	4
573.90	53.7	4
574.10	59.4	4
574.30	64.6	4
574.50	69.4	4
574.70	73.8	4
574.90	78.1	4
575.00	80.1	4

Outlet Structure File: BASINBLK.STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05
****

Outlet Structure File: j:\DATA\0405084\BASINBLK.STR
Planimeter Input File: j:\DATA\0405084\BASIN .VOL
Rating Table Output File: j:\DATA\0405084\BASINBLK.PND

Min. Elev.(ft) = 572.5 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\0405084\BASINBLK.PND

Outlet Structure File: BASINBLK.STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05
****

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

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	572.5
E2 elev.(ft)?	573.5
Weir coefficient?	3.3
Weir elev.(ft)?	572.5
Length (ft)?	11.76
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASINBLK.STR

POND-2 Version: 5.17 S/N: 1903000008
Date Executed: Time Executed:

****
FOXHAVEN ADDITION
DETENTION ANALYSIS
04-05-084
5/18/05
****

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

ORIFICE
Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	573.5
E2 elev.(ft)?	575.001
Orifice coeff.?	.6
Invert elev.(ft)?	572.5
Datum elev.(ft) ?	573
Orifice area (sq ft)?	11.76

```
*****************************************
*                                       *
*           FOXHAVEN ADDITION           *
*          DETENTION ANALYSIS           *
*               04-05-084               *
*  BLOCKED LOW FLOW, REVISED 11/29/05   *
*                                       *
*****************************************
```

Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Rating Table file: j:\DATA\0405084\BASINBLK.PND

----INITIAL CONDITIONS----
Elevation = 572.50 ft
Outflow = 0.00 cfs
Storage = 37,068 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + O (cfs)
572.50	0.0	37,068	1235.6	1235.6
572.70	3.5	39,380	1312.6	1316.1
572.90	9.8	41,745	1391.5	1401.3
573.10	18.0	44,164	1472.1	1490.1
573.30	27.8	46,639	1554.6	1582.4
573.50	40.0	49,170	1639.0	1679.0
573.70	47.4	51,757	1725.2	1772.6
573.90	53.7	54,401	1813.4	1867.1
574.10	59.4	57,101	1903.4	1962.8
574.30	64.6	59,860	1995.3	2059.9
574.50	69.4	62,676	2089.2	2158.6
574.70	73.8	65,551	2185.0	2258.8
574.90	78.1	68,484	2282.8	2360.9
575.00	80.1	69,973	2332.4	2412.5

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0405084\BASINBLK.POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .HYD

INFLOW HYDROGRAPH

TIME (min)	INFLOW (cfs)
0.0	0.00
1.0	1.46
2.0	4.37
3.0	5.82
4.0	8.73
5.0	10.19
6.0	13.10
7.0	14.55
8.0	14.55
9.0	14.55
10.0	14.55
11.0	14.55
12.0	14.55
13.0	14.55
14.0	14.55
15.0	14.55
16.0	14.55
17.0	14.55
18.0	14.55
19.0	14.55
20.0	14.55
21.0	13.10
22.0	10.19
23.0	8.73
24.0	5.82
25.0	4.37
26.0	1.46
27.0	0.00
28.0	0.00
29.0	0.00
30.0	0.00
31.0	0.00
32.0	0.00
33.0	0.00
34.0	0.00
35.0	0.00
36.0	0.00
37.0	0.00
38.0	0.00
39.0	0.00
40.0	0.00
41.0	0.00
42.0	0.00
43.0	0.00
44.0	0.00

ROUTING COMPUTATIONS

I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
-----	1235.6	1235.6	0.00	572.50
1.5	1236.9	1237.1	0.06	572.50
5.8	1242.1	1242.8	0.31	572.52
10.2	1250.9	1252.3	0.73	572.54
14.6	1262.8	1265.4	1.30	572.57
18.9	1277.7	1281.7	2.01	572.61
23.3	1295.3	1301.0	2.84	572.66
27.7	1315.0	1323.0	4.01	572.72
29.1	1332.9	1344.1	5.57	572.77
29.1	1348.3	1362.0	6.90	572.81
29.1	1361.3	1377.4	8.03	572.84
29.1	1372.4	1390.4	8.99	572.87
29.1	1381.9	1401.5	9.82	572.90
29.1	1389.6	1411.0	10.69	572.92
29.1	1395.9	1418.7	11.41	572.94
29.1	1401.0	1425.0	11.99	572.95
29.1	1405.2	1430.1	12.46	572.96
29.1	1408.6	1434.3	12.84	572.97
29.1	1411.4	1437.7	13.16	572.98
29.1	1413.6	1440.5	13.42	572.99
29.1	1415.5	1442.7	13.63	572.99
27.7	1415.8	1443.1	13.66	572.99
23.3	1412.5	1439.1	13.29	572.99
18.9	1406.3	1431.4	12.58	572.97
14.6	1397.6	1420.8	11.60	572.94
10.2	1387.0	1407.8	10.40	572.91
5.8	1374.5	1392.8	9.17	572.88
1.5	1360.1	1376.0	7.92	572.84
0.0	1346.6	1360.1	6.75	572.80
0.0	1335.1	1346.6	5.75	572.77
0.0	1325.3	1335.1	4.90	572.74
0.0	1316.9	1325.3	4.18	572.72
0.0	1309.8	1316.9	3.56	572.70
0.0	1303.4	1309.8	3.22	572.68
0.0	1297.5	1303.4	2.94	572.67
0.0	1292.1	1297.5	2.69	572.65
0.0	1287.2	1292.1	2.46	572.64
0.0	1282.7	1287.2	2.24	572.63
0.0	1278.6	1282.7	2.05	572.62
0.0	1274.9	1278.6	1.87	572.61
0.0	1271.5	1274.9	1.71	572.60
0.0	1268.3	1271.5	1.56	572.59
0.0	1265.5	1268.3	1.42	572.58
0.0	1262.9	1265.5	1.30	572.57
0.0	1260.5	1262.9	1.19	572.57

nd File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1258.4	1260.5	1.08	572.56
46.0	0.00	0.0	1256.4	1258.4	0.99	572.56
47.0	0.00	0.0	1254.6	1256.4	0.90	572.55
48.0	0.00	0.0	1252.9	1254.6	0.82	572.55
49.0	0.00	0.0	1251.4	1252.9	0.75	572.54
50.0	0.00	0.0	1250.0	1251.4	0.69	572.54
51.0	0.00	0.0	1248.8	1250.0	0.63	572.54
52.0	0.00	0.0	1247.6	1248.8	0.57	572.53
53.0	0.00	0.0	1246.6	1247.6	0.52	572.53
54.0	0.00	0.0	1245.6	1246.6	0.48	572.53
55.0	0.00	0.0	1244.8	1245.6	0.44	572.52
56.0	0.00	0.0	1244.0	1244.8	0.40	572.52
57.0	0.00	0.0	1243.2	1244.0	0.36	572.52
58.0	0.00	0.0	1242.6	1243.2	0.33	572.52
59.0	0.00	0.0	1242.0	1242.6	0.30	572.52
60.0	0.00	0.0	1241.4	1242.0	0.28	572.52
61.0	0.00	0.0	1240.9	1241.4	0.25	572.51
62.0	0.00	0.0	1240.4	1240.9	0.23	572.51
63.0	0.00	0.0	1240.0	1240.4	0.21	572.51
64.0	0.00	0.0	1239.6	1240.0	0.19	572.51
65.0	0.00	0.0	1239.3	1239.6	0.18	572.51
66.0	0.00	0.0	1239.0	1239.3	0.16	572.51
67.0	0.00	0.0	1238.7	1239.0	0.15	572.51
68.0	0.00	0.0	1238.4	1238.7	0.13	572.51
69.0	0.00	0.0	1238.2	1238.4	0.12	572.51
70.0	0.00	0.0	1237.9	1238.2	0.11	572.51
71.0	0.00	0.0	1237.7	1237.9	0.10	572.51
72.0	0.00	0.0	1237.5	1237.7	0.09	572.51
73.0	0.00	0.0	1237.4	1237.5	0.08	572.50
74.0	0.00	0.0	1237.2	1237.4	0.08	572.50
75.0	0.00	0.0	1237.1	1237.2	0.07	572.50
76.0	0.00	0.0	1237.0	1237.1	0.06	572.50
77.0	0.00	0.0	1236.8	1237.0	0.06	572.50
78.0	0.00	0.0	1236.7	1236.8	0.05	572.50
79.0	0.00	0.0	1236.6	1236.7	0.05	572.50
80.0	0.00	0.0	1236.5	1236.6	0.04	572.50
81.0	0.00	0.0	1236.5	1236.5	0.04	572.50
82.0	0.00	0.0	1236.4	1236.5	0.04	572.50
83.0	0.00	0.0	1236.3	1236.4	0.03	572.50
84.0	0.00	0.0	1236.2	1236.3	0.03	572.50
85.0	0.00	0.0	1236.2	1236.2	0.03	572.50
86.0	0.00	0.0	1236.1	1236.2	0.03	572.50
87.0	0.00	0.0	1236.1	1236.1	0.02	572.50
88.0	0.00	0.0	1236.0	1236.1	0.02	572.50
89.0	0.00	0.0	1236.0	1236.0	0.02	572.50
90.0	0.00	0.0	1236.0	1236.0	0.02	572.50

nd File: j:\DATA\0405084\BASINBLK.POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1235.9	1236.0	0.02	572.50
92.0	0.00	0.0	1235.9	1235.9	0.02	572.50
93.0	0.00	0.0	1235.9	1235.9	0.01	572.50
94.0	0.00	0.0	1235.9	1235.9	0.01	572.50
95.0	0.00	0.0	1235.8	1235.9	0.01	572.50
96.0	0.00	0.0	1235.8	1235.8	0.01	572.50
97.0	0.00	0.0	1235.8	1235.8	0.01	572.50
98.0	0.00	0.0	1235.8	1235.8	0.01	572.50
99.0	0.00	0.0	1235.8	1235.8	0.01	572.50
100.0	0.00	0.0	1235.7	1235.8	0.01	572.50
101.0	0.00	0.0	1235.7	1235.7	0.01	572.50
102.0	0.00	0.0	1235.7	1235.7	0.01	572.50
103.0	0.00	0.0	1235.7	1235.7	0.01	572.50
104.0	0.00	0.0	1235.7	1235.7	0.01	572.50
105.0	0.00	0.0	1235.7	1235.7	0.00	572.50
106.0	0.00	0.0	1235.7	1235.7	0.00	572.50
107.0	0.00	0.0	1235.7	1235.7	0.00	572.50
108.0	0.00	0.0	1235.7	1235.7	0.00	572.50
109.0	0.00	0.0	1235.7	1235.7	0.00	572.50
110.0	0.00	0.0	1235.7	1235.7	0.00	572.50
111.0	0.00	0.0	1235.6	1235.7	0.00	572.50
112.0	0.00	0.0	1235.6	1235.6	0.00	572.50
113.0	0.00	0.0	1235.6	1235.6	0.00	572.50
114.0	0.00	0.0	1235.6	1235.6	0.00	572.50
115.0	0.00	0.0	1235.6	1235.6	0.00	572.50
116.0	0.00	0.0	1235.6	1235.6	0.00	572.50
117.0	0.00	0.0	1235.6	1235.6	0.00	572.50
118.0	0.00	0.0	1235.6	1235.6	0.00	572.50
119.0	0.00	0.0	1235.6	1235.6	0.00	572.50
120.0	0.00	0.0	1235.6	1235.6	0.00	572.50
121.0	0.00	0.0	1235.6	1235.6	0.00	572.50
122.0	0.00	0.0	1235.6	1235.6	0.00	572.50
123.0	0.00	0.0	1235.6	1235.6	0.00	572.50
124.0	0.00	0.0	1235.6	1235.6	0.00	572.50
125.0	0.00	0.0	1235.6	1235.6	0.00	572.50
126.0	0.00	0.0	1235.6	1235.6	0.00	572.50
127.0	0.00	0.0	1235.6	1235.6	0.00	572.50
128.0	0.00	0.0	1235.6	1235.6	0.00	572.50
129.0	0.00	0.0	1235.6	1235.6	0.00	572.50
130.0	0.00	0.0	1235.6	1235.6	0.00	572.50
131.0	0.00	0.0	1235.6	1235.6	0.00	572.50
132.0	0.00	0.0	1235.6	1235.6	0.00	572.50
133.0	0.00	0.0	1235.6	1235.6	0.00	572.50
134.0	0.00	0.0	1235.6	1235.6	0.00	572.50
135.0	0.00	0.0	1235.6	1235.6	0.00	572.50
136.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.POND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1235.6	1235.6	0.00	572.50
138.0	0.00	0.0	1235.6	1235.6	0.00	572.50
139.0	0.00	0.0	1235.6	1235.6	0.00	572.50
140.0	0.00	0.0	1235.6	1235.6	0.00	572.50
141.0	0.00	0.0	1235.6	1235.6	0.00	572.50
142.0	0.00	0.0	1235.6	1235.6	0.00	572.50
143.0	0.00	0.0	1235.6	1235.6	0.00	572.50
144.0	0.00	0.0	1235.6	1235.6	0.00	572.50
145.0	0.00	0.0	1235.6	1235.6	0.00	572.50
146.0	0.00	0.0	1235.6	1235.6	0.00	572.50
147.0	0.00	0.0	1235.6	1235.6	0.00	572.50
148.0	0.00	0.0	1235.6	1235.6	0.00	572.50
149.0	0.00	0.0	1235.6	1235.6	0.00	572.50
150.0	0.00	0.0	1235.6	1235.6	0.00	572.50
151.0	0.00	0.0	1235.6	1235.6	0.00	572.50
152.0	0.00	0.0	1235.6	1235.6	0.00	572.50
153.0	0.00	0.0	1235.6	1235.6	0.00	572.50
154.0	0.00	0.0	1235.6	1235.6	0.00	572.50
155.0	0.00	0.0	1235.6	1235.6	0.00	572.50
156.0	0.00	0.0	1235.6	1235.6	0.00	572.50
157.0	0.00	0.0	1235.6	1235.6	0.00	572.50
158.0	0.00	0.0	1235.6	1235.6	0.00	572.50
159.0	0.00	0.0	1235.6	1235.6	0.00	572.50
160.0	0.00	0.0	1235.6	1235.6	0.00	572.50
161.0	0.00	0.0	1235.6	1235.6	0.00	572.50
162.0	0.00	0.0	1235.6	1235.6	0.00	572.50
163.0	0.00	0.0	1235.6	1235.6	0.00	572.50
164.0	0.00	0.0	1235.6	1235.6	0.00	572.50
165.0	0.00	0.0	1235.6	1235.6	0.00	572.50
166.0	0.00	0.0	1235.6	1235.6	0.00	572.50
167.0	0.00	0.0	1235.6	1235.6	0.00	572.50
168.0	0.00	0.0	1235.6	1235.6	0.00	572.50
169.0	0.00	0.0	1235.6	1235.6	0.00	572.50
170.0	0.00	0.0	1235.6	1235.6	0.00	572.50
171.0	0.00	0.0	1235.6	1235.6	0.00	572.50
172.0	0.00	0.0	1235.6	1235.6	0.00	572.50
173.0	0.00	0.0	1235.6	1235.6	0.00	572.50
174.0	0.00	0.0	1235.6	1235.6	0.00	572.50
175.0	0.00	0.0	1235.6	1235.6	0.00	572.50
176.0	0.00	0.0	1235.6	1235.6	0.00	572.50
177.0	0.00	0.0	1235.6	1235.6	0.00	572.50
178.0	0.00	0.0	1235.6	1235.6	0.00	572.50
179.0	0.00	0.0	1235.6	1235.6	0.00	572.50
180.0	0.00	0.0	1235.6	1235.6	0.00	572.50
181.0	0.00	0.0	1235.6	1235.6	0.00	572.50
182.0	0.00	0.0	1235.6	1235.6	0.00	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
..flow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1235.6	1235.6	0.00	572.50
184.0	0.00	0.0	1235.6	1235.6	0.00	572.50
185.0	0.00	0.0	1235.6	1235.6	0.00	572.50
186.0	0.00	0.0	1235.6	1235.6	0.00	572.50
187.0	0.00	0.0	1235.6	1235.6	0.00	572.50
188.0	0.00	0.0	1235.6	1235.6	0.00	572.50
189.0	0.00	0.0	1235.6	1235.6	0.00	572.50
190.0	0.00	0.0	1235.6	1235.6	0.00	572.50
191.0	0.00	0.0	1235.6	1235.6	0.00	572.50
192.0	0.00	0.0	1235.6	1235.6	0.00	572.50
193.0	0.00	0.0	1235.6	1235.6	0.00	572.50
194.0	0.00	0.0	1235.6	1235.6	0.00	572.50
195.0	0.00	0.0	1235.6	1235.6	0.00	572.50
196.0	0.00	0.0	1235.6	1235.6	0.00	572.50
197.0	0.00	0.0	1235.6	1235.6	0.00	572.50
198.0	0.00	0.0	1235.6	1235.6	0.00	572.50
199.0	0.00	0.0	1235.6	1235.6	0.00	572.50
200.0	0.00	0.0	1235.6	1235.6	0.00	572.50
201.0	0.00	0.0	1235.6	1235.6	0.00	572.50
202.0	0.00	0.0	1235.6	1235.6	0.00	572.50
203.0	0.00	0.0	1235.6	1235.6	0.00	572.50
204.0	0.00	0.0	1235.6	1235.6	0.00	572.50
205.0	0.00	0.0	1235.6	1235.6	0.00	572.50
206.0	0.00	0.0	1235.6	1235.6	0.00	572.50
207.0	0.00	0.0	1235.6	1235.6	0.00	572.50
208.0	0.00	0.0	1235.6	1235.6	0.00	572.50
209.0	0.00	0.0	1235.6	1235.6	0.00	572.50
210.0	0.00	0.0	1235.6	1235.6	0.00	572.50
211.0	0.00	0.0	1235.6	1235.6	0.00	572.50
212.0	0.00	0.0	1235.6	1235.6	0.00	572.50
213.0	0.00	0.0	1235.6	1235.6	0.00	572.50
214.0	0.00	0.0	1235.6	1235.6	0.00	572.50
215.0	0.00	0.0	1235.6	1235.6	0.00	572.50
216.0	0.00	0.0	1235.6	1235.6	0.00	572.50
217.0	0.00	0.0	1235.6	1235.6	0.00	572.50
218.0	0.00	0.0	1235.6	1235.6	0.00	572.50
219.0	0.00	0.0	1235.6	1235.6	0.00	572.50
220.0	0.00	0.0	1235.6	1235.6	0.00	572.50
221.0	0.00	0.0	1235.6	1235.6	0.00	572.50
222.0	0.00	0.0	1235.6	1235.6	0.00	572.50
223.0	0.00	0.0	1235.6	1235.6	0.00	572.50
224.0	0.00	0.0	1235.6	1235.6	0.00	572.50
225.0	0.00	0.0	1235.6	1235.6	0.00	572.50
226.0	0.00	0.0	1235.6	1235.6	0.00	572.50
227.0	0.00	0.0	1235.6	1235.6	0.00	572.50
228.0	0.00	0.0	1235.6	1235.6	0.00	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
..flow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1235.6	1235.6	0.00	572.50
230.0	0.00	0.0	1235.6	1235.6	0.00	572.50
231.0	0.00	0.0	1235.6	1235.6	0.00	572.50
232.0	0.00	0.0	1235.6	1235.6	0.00	572.50
233.0	0.00	0.0	1235.6	1235.6	0.00	572.50
234.0	0.00	0.0	1235.6	1235.6	0.00	572.50
235.0	0.00	0.0	1235.6	1235.6	0.00	572.50
236.0	0.00	0.0	1235.6	1235.6	0.00	572.50
237.0	0.00	0.0	1235.6	1235.6	0.00	572.50
238.0	0.00	0.0	1235.6	1235.6	0.00	572.50
239.0	0.00	0.0	1235.6	1235.6	0.00	572.50
240.0	0.00	0.0	1235.6	1235.6	0.00	572.50
241.0	0.00	0.0	1235.6	1235.6	0.00	572.50
242.0	0.00	0.0	1235.6	1235.6	0.00	572.50
243.0	0.00	0.0	1235.6	1235.6	0.00	572.50
244.0	0.00	0.0	1235.6	1235.6	0.00	572.50
245.0	0.00	0.0	1235.6	1235.6	0.00	572.50
246.0	0.00	0.0	1235.6	1235.6	0.00	572.50
247.0	0.00	0.0	1235.6	1235.6	0.00	572.50
248.0	0.00	0.0	1235.6	1235.6	0.00	572.50
249.0	0.00	0.0	1235.6	1235.6	0.00	572.50
250.0	0.00	0.0	1235.6	1235.6	0.00	572.50
251.0	0.00	0.0	1235.6	1235.6	0.00	572.50
252.0	0.00	0.0	1235.6	1235.6	0.00	572.50
253.0	0.00	0.0	1235.6	1235.6	0.00	572.50
254.0	0.00	0.0	1235.6	1235.6	0.00	572.50
255.0	0.00	0.0	1235.6	1235.6	0.00	572.50
256.0	0.00	0.0	1235.6	1235.6	0.00	572.50
257.0	0.00	0.0	1235.6	1235.6	0.00	572.50
258.0	0.00	0.0	1235.6	1235.6	0.00	572.50
259.0	0.00	0.0	1235.6	1235.6	0.00	572.50
260.0	0.00	0.0	1235.6	1235.6	0.00	572.50
261.0	0.00	0.0	1235.6	1235.6	0.00	572.50
262.0	0.00	0.0	1235.6	1235.6	0.00	572.50
263.0	0.00	0.0	1235.6	1235.6	0.00	572.50
264.0	0.00	0.0	1235.6	1235.6	0.00	572.50
265.0	0.00	0.0	1235.6	1235.6	0.00	572.50
266.0	0.00	0.0	1235.6	1235.6	0.00	572.50
267.0	0.00	0.0	1235.6	1235.6	0.00	572.50
268.0	0.00	0.0	1235.6	1235.6	0.00	572.50
269.0	0.00	0.0	1235.6	1235.6	0.00	572.50
270.0	0.00	0.0	1235.6	1235.6	0.00	572.50
271.0	0.00	0.0	1235.6	1235.6	0.00	572.50
272.0	0.00	0.0	1235.6	1235.6	0.00	572.50
273.0	0.00	0.0	1235.6	1235.6	0.00	572.50
274.0	0.00	0.0	1235.6	1235.6	0.00	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
nflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .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	1235.6	1235.6	0.00	572.50
276.0	0.00	0.0	1235.6	1235.6	0.00	572.50
277.0	0.00	0.0	1235.6	1235.6	0.00	572.50
278.0	0.00	0.0	1235.6	1235.6	0.00	572.50
279.0	0.00	0.0	1235.6	1235.6	0.00	572.50
280.0	0.00	0.0	1235.6	1235.6	0.00	572.50
281.0	0.00	0.0	1235.6	1235.6	0.00	572.50
282.0	0.00	0.0	1235.6	1235.6	0.00	572.50
283.0	0.00	0.0	1235.6	1235.6	0.00	572.50
284.0	0.00	0.0	1235.6	1235.6	0.00	572.50
285.0	0.00	0.0	1235.6	1235.6	0.00	572.50
286.0	0.00	0.0	1235.6	1235.6	0.00	572.50
287.0	0.00	0.0	1235.6	1235.6	0.00	572.50
288.0	0.00	0.0	1235.6	1235.6	0.00	572.50
289.0	0.00	0.0	1235.6	1235.6	0.00	572.50
290.0	0.00	0.0	1235.6	1235.6	0.00	572.50
291.0	0.00	0.0	1235.6	1235.6	0.00	572.50
292.0	0.00	0.0	1235.6	1235.6	0.00	572.50
293.0	0.00	0.0	1235.6	1235.6	0.00	572.50
294.0	0.00	0.0	1235.6	1235.6	0.00	572.50
295.0	0.00	0.0	1235.6	1235.6	0.00	572.50
296.0	0.00	0.0	1235.6	1235.6	0.00	572.50
297.0	0.00	0.0	1235.6	1235.6	0.00	572.50
298.0	0.00	0.0	1235.6	1235.6	0.00	572.50
299.0	0.00	0.0	1235.6	1235.6	0.00	572.50
300.0	0.00	0.0	1235.6	1235.6	0.00	572.50
301.0	0.00	0.0	1235.6	1235.6	0.00	572.50
302.0	0.00	0.0	1235.6	1235.6	0.00	572.50
303.0	0.00	0.0	1235.6	1235.6	0.00	572.50

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

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\02BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA02BLK .HYD

Starting Pond W.S. Elevation = 572.50 ft

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

Peak Inflow = 14.55 cfs
Peak Outflow = 13.66 cfs
Peak Elevation = 572.99 ft

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

Initial Storage = 37,068 cu-ft
Peak Storage From Storm = 5,817 cu-ft

Total Storage in Pond = 42,884 cu-ft

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*****************************************
*                                       *
*           FOXHAVEN ADDITION           *
*          DETENTION ANALYSIS           *
*               04-05-084               *
*  BLOCKED LOW FLOW, REVISED 11/29/05   *
*                                       *
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15 YR BLK

Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Rating Table file: j:\DATA\0405084\BASINBLK.PND

----INITIAL CONDITIONS----
Elevation =   572.50 ft
Outflow   =   0.00 cfs
Storage   =   37,068 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + O (cfs)
572.50	0.0	37,068	1235.6	1235.6
572.70	3.5	39,380	1312.6	1316.1
572.90	9.8	41,745	1391.5	1401.3
573.10	18.0	44,164	1472.1	1490.1
573.30	27.8	46,639	1554.6	1582.4
573.50	40.0	49,170	1639.0	1679.0
573.70	47.4	51,757	1725.2	1772.6
573.90	53.7	54,401	1813.4	1867.1
574.10	59.4	57,101	1903.4	1962.8
574.30	64.6	59,860	1995.3	2059.9
574.50	69.4	62,676	2089.2	2158.6
574.70	73.8	65,551	2185.0	2258.8
574.90	78.1	68,484	2282.8	2360.9
575.00	80.1	69,973	2332.4	2412.5

Time increment (t) = 1.0 min.

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	-----	1235.6	1235.6	0.00	572.50
1.0	2.39	2.4	1237.8	1238.0	0.10	572.51
2.0	7.16	9.6	1246.3	1247.3	0.51	572.53
3.0	9.55	16.7	1260.6	1263.0	1.19	572.57
4.0	14.32	23.9	1280.3	1284.5	2.13	572.62
5.0	16.71	31.0	1304.7	1311.3	3.29	572.69
6.0	21.48	38.2	1331.9	1342.9	5.48	572.76
7.0	23.87	45.4	1361.2	1377.3	8.02	572.84
8.0	23.87	47.7	1388.0	1409.0	10.51	572.92
9.0	23.87	47.7	1409.7	1435.7	12.98	572.98
10.0	23.87	47.7	1427.5	1457.5	14.99	573.03
11.0	23.87	47.7	1442.0	1475.3	16.63	573.07
12.0	23.87	47.7	1453.8	1489.7	17.96	573.10
13.0	23.87	47.7	1463.1	1501.6	19.21	573.12
14.0	23.87	47.7	1470.5	1510.9	20.20	573.14
15.0	23.87	47.7	1476.2	1518.2	20.98	573.16
16.0	23.87	47.7	1480.8	1524.0	21.59	573.17
17.0	23.87	47.7	1484.4	1528.5	22.08	573.18
18.0	23.87	47.7	1487.2	1532.1	22.46	573.19
19.0	23.87	47.7	1489.4	1534.9	22.76	573.20
20.0	23.87	47.7	1491.2	1537.2	22.99	573.20
21.0	21.48	45.4	1490.7	1536.5	22.93	573.20
22.0	16.71	38.2	1484.6	1528.9	22.11	573.18
23.0	14.32	31.0	1474.3	1515.7	20.71	573.16
24.0	9.55	23.9	1460.4	1498.1	18.85	573.12
25.0	7.16	16.7	1443.5	1477.1	16.80	573.07
26.0	2.39	9.6	1423.9	1453.1	14.58	573.02
27.0	0.00	2.4	1402.1	1426.3	12.11	572.96
28.0	0.00	0.0	1382.3	1402.1	9.87	572.90
29.0	0.00	0.0	1365.6	1382.3	8.40	572.86
30.0	0.00	0.0	1351.2	1365.6	7.16	572.82
31.0	0.00	0.0	1339.0	1351.2	6.10	572.78
32.0	0.00	0.0	1328.7	1339.0	5.19	572.75
33.0	0.00	0.0	1319.8	1328.7	4.43	572.73
34.0	0.00	0.0	1312.3	1319.8	3.77	572.71
35.0	0.00	0.0	1305.6	1312.3	3.33	572.69
36.0	0.00	0.0	1299.5	1305.6	3.04	572.67
37.0	0.00	0.0	1294.0	1299.5	2.78	572.66
38.0	0.00	0.0	1288.9	1294.0	2.54	572.64
39.0	0.00	0.0	1284.3	1288.9	2.32	572.63
40.0	0.00	0.0	1280.0	1284.3	2.11	572.62
41.0	0.00	0.0	1276.2	1280.0	1.93	572.61
42.0	0.00	0.0	1272.6	1276.2	1.76	572.60
43.0	0.00	0.0	1269.4	1272.6	1.61	572.59
44.0	0.00	0.0	1266.5	1269.4	1.47	572.58

nd File: j:\DATA\0405084\BASINBLK.PND
nflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1263.8	1266.5	1.34	572.58
46.0	0.00	0.0	1261.3	1263.8	1.23	572.57
47.0	0.00	0.0	1259.1	1261.3	1.12	572.56
48.0	0.00	0.0	1257.1	1259.1	1.02	572.56
49.0	0.00	0.0	1255.2	1257.1	0.93	572.55
50.0	0.00	0.0	1253.5	1255.2	0.85	572.55
51.0	0.00	0.0	1251.9	1253.5	0.78	572.54
52.0	0.00	0.0	1250.5	1251.9	0.71	572.54
53.0	0.00	0.0	1249.2	1250.5	0.65	572.54
54.0	0.00	0.0	1248.0	1249.2	0.59	572.53
55.0	0.00	0.0	1247.0	1248.0	0.54	572.53
56.0	0.00	0.0	1246.0	1247.0	0.49	572.53
57.0	0.00	0.0	1245.1	1246.0	0.45	572.53
58.0	0.00	0.0	1244.2	1245.1	0.41	572.52
59.0	0.00	0.0	1243.5	1244.2	0.38	572.52
60.0	0.00	0.0	1242.8	1243.5	0.34	572.52
61.0	0.00	0.0	1242.2	1242.8	0.31	572.52
62.0	0.00	0.0	1241.6	1242.2	0.29	572.52
63.0	0.00	0.0	1241.1	1241.6	0.26	572.51
64.0	0.00	0.0	1240.6	1241.1	0.24	572.51
65.0	0.00	0.0	1240.2	1240.6	0.22	572.51
66.0	0.00	0.0	1239.8	1240.2	0.20	572.51
67.0	0.00	0.0	1239.4	1239.8	0.18	572.51
68.0	0.00	0.0	1239.1	1239.4	0.17	572.51
69.0	0.00	0.0	1238.8	1239.1	0.15	572.51
70.0	0.00	0.0	1238.5	1238.8	0.14	572.51
71.0	0.00	0.0	1238.2	1238.5	0.13	572.51
72.0	0.00	0.0	1238.0	1238.2	0.12	572.51
73.0	0.00	0.0	1237.8	1238.0	0.11	572.51
74.0	0.00	0.0	1237.6	1237.8	0.10	572.51
75.0	0.00	0.0	1237.4	1237.6	0.09	572.51
76.0	0.00	0.0	1237.3	1237.4	0.08	572.50
77.0	0.00	0.0	1237.1	1237.3	0.07	572.50
78.0	0.00	0.0	1237.0	1237.1	0.07	572.50
79.0	0.00	0.0	1236.9	1237.0	0.06	572.50
80.0	0.00	0.0	1236.8	1236.9	0.06	572.50
81.0	0.00	0.0	1236.7	1236.8	0.05	572.50
82.0	0.00	0.0	1236.6	1236.7	0.05	572.50
83.0	0.00	0.0	1236.5	1236.6	0.04	572.50
84.0	0.00	0.0	1236.4	1236.5	0.04	572.50
85.0	0.00	0.0	1236.3	1236.4	0.04	572.50
86.0	0.00	0.0	1236.3	1236.3	0.03	572.50
87.0	0.00	0.0	1236.2	1236.3	0.03	572.50
88.0	0.00	0.0	1236.2	1236.2	0.03	572.50
89.0	0.00	0.0	1236.1	1236.2	0.02	572.50
90.0	0.00	0.0	1236.1	1236.1	0.02	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1236.0	1236.1	0.02	572.50
92.0	0.00	0.0	1236.0	1236.0	0.02	572.50
93.0	0.00	0.0	1236.0	1236.0	0.02	572.50
94.0	0.00	0.0	1235.9	1236.0	0.02	572.50
95.0	0.00	0.0	1235.9	1235.9	0.01	572.50
96.0	0.00	0.0	1235.9	1235.9	0.01	572.50
97.0	0.00	0.0	1235.8	1235.9	0.01	572.50
98.0	0.00	0.0	1235.8	1235.8	0.01	572.50
99.0	0.00	0.0	1235.8	1235.8	0.01	572.50
100.0	0.00	0.0	1235.8	1235.8	0.01	572.50
101.0	0.00	0.0	1235.8	1235.8	0.01	572.50
102.0	0.00	0.0	1235.8	1235.8	0.01	572.50
103.0	0.00	0.0	1235.7	1235.8	0.01	572.50
104.0	0.00	0.0	1235.7	1235.7	0.01	572.50
105.0	0.00	0.0	1235.7	1235.7	0.01	572.50
106.0	0.00	0.0	1235.7	1235.7	0.01	572.50
107.0	0.00	0.0	1235.7	1235.7	0.00	572.50
108.0	0.00	0.0	1235.7	1235.7	0.00	572.50
109.0	0.00	0.0	1235.7	1235.7	0.00	572.50
110.0	0.00	0.0	1235.7	1235.7	0.00	572.50
111.0	0.00	0.0	1235.7	1235.7	0.00	572.50
112.0	0.00	0.0	1235.7	1235.7	0.00	572.50
113.0	0.00	0.0	1235.6	1235.7	0.00	572.50
114.0	0.00	0.0	1235.6	1235.6	0.00	572.50
115.0	0.00	0.0	1235.6	1235.6	0.00	572.50
116.0	0.00	0.0	1235.6	1235.6	0.00	572.50
117.0	0.00	0.0	1235.6	1235.6	0.00	572.50
118.0	0.00	0.0	1235.6	1235.6	0.00	572.50
119.0	0.00	0.0	1235.6	1235.6	0.00	572.50
120.0	0.00	0.0	1235.6	1235.6	0.00	572.50
121.0	0.00	0.0	1235.6	1235.6	0.00	572.50
122.0	0.00	0.0	1235.6	1235.6	0.00	572.50
123.0	0.00	0.0	1235.6	1235.6	0.00	572.50
124.0	0.00	0.0	1235.6	1235.6	0.00	572.50
125.0	0.00	0.0	1235.6	1235.6	0.00	572.50
126.0	0.00	0.0	1235.6	1235.6	0.00	572.50
127.0	0.00	0.0	1235.6	1235.6	0.00	572.50
128.0	0.00	0.0	1235.6	1235.6	0.00	572.50
129.0	0.00	0.0	1235.6	1235.6	0.00	572.50
130.0	0.00	0.0	1235.6	1235.6	0.00	572.50
131.0	0.00	0.0	1235.6	1235.6	0.00	572.50
132.0	0.00	0.0	1235.6	1235.6	0.00	572.50
133.0	0.00	0.0	1235.6	1235.6	0.00	572.50
134.0	0.00	0.0	1235.6	1235.6	0.00	572.50
135.0	0.00	0.0	1235.6	1235.6	0.00	572.50
136.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1235.6	1235.6	0.00	572.50
138.0	0.00	0.0	1235.6	1235.6	0.00	572.50
139.0	0.00	0.0	1235.6	1235.6	0.00	572.50
140.0	0.00	0.0	1235.6	1235.6	0.00	572.50
141.0	0.00	0.0	1235.6	1235.6	0.00	572.50
142.0	0.00	0.0	1235.6	1235.6	0.00	572.50
143.0	0.00	0.0	1235.6	1235.6	0.00	572.50
144.0	0.00	0.0	1235.6	1235.6	0.00	572.50
145.0	0.00	0.0	1235.6	1235.6	0.00	572.50
146.0	0.00	0.0	1235.6	1235.6	0.00	572.50
147.0	0.00	0.0	1235.6	1235.6	0.00	572.50
148.0	0.00	0.0	1235.6	1235.6	0.00	572.50
149.0	0.00	0.0	1235.6	1235.6	0.00	572.50
150.0	0.00	0.0	1235.6	1235.6	0.00	572.50
151.0	0.00	0.0	1235.6	1235.6	0.00	572.50
152.0	0.00	0.0	1235.6	1235.6	0.00	572.50
153.0	0.00	0.0	1235.6	1235.6	0.00	572.50
154.0	0.00	0.0	1235.6	1235.6	0.00	572.50
155.0	0.00	0.0	1235.6	1235.6	0.00	572.50
156.0	0.00	0.0	1235.6	1235.6	0.00	572.50
157.0	0.00	0.0	1235.6	1235.6	0.00	572.50
158.0	0.00	0.0	1235.6	1235.6	0.00	572.50
159.0	0.00	0.0	1235.6	1235.6	0.00	572.50
160.0	0.00	0.0	1235.6	1235.6	0.00	572.50
161.0	0.00	0.0	1235.6	1235.6	0.00	572.50
162.0	0.00	0.0	1235.6	1235.6	0.00	572.50
163.0	0.00	0.0	1235.6	1235.6	0.00	572.50
164.0	0.00	0.0	1235.6	1235.6	0.00	572.50
165.0	0.00	0.0	1235.6	1235.6	0.00	572.50
166.0	0.00	0.0	1235.6	1235.6	0.00	572.50
167.0	0.00	0.0	1235.6	1235.6	0.00	572.50
168.0	0.00	0.0	1235.6	1235.6	0.00	572.50
169.0	0.00	0.0	1235.6	1235.6	0.00	572.50
170.0	0.00	0.0	1235.6	1235.6	0.00	572.50
171.0	0.00	0.0	1235.6	1235.6	0.00	572.50
172.0	0.00	0.0	1235.6	1235.6	0.00	572.50
173.0	0.00	0.0	1235.6	1235.6	0.00	572.50
174.0	0.00	0.0	1235.6	1235.6	0.00	572.50
175.0	0.00	0.0	1235.6	1235.6	0.00	572.50
176.0	0.00	0.0	1235.6	1235.6	0.00	572.50
177.0	0.00	0.0	1235.6	1235.6	0.00	572.50
178.0	0.00	0.0	1235.6	1235.6	0.00	572.50
179.0	0.00	0.0	1235.6	1235.6	0.00	572.50
180.0	0.00	0.0	1235.6	1235.6	0.00	572.50
181.0	0.00	0.0	1235.6	1235.6	0.00	572.50
182.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1235.6	1235.6	0.00	572.50
184.0	0.00	0.0	1235.6	1235.6	0.00	572.50
185.0	0.00	0.0	1235.6	1235.6	0.00	572.50
186.0	0.00	0.0	1235.6	1235.6	0.00	572.50
187.0	0.00	0.0	1235.6	1235.6	0.00	572.50
188.0	0.00	0.0	1235.6	1235.6	0.00	572.50
189.0	0.00	0.0	1235.6	1235.6	0.00	572.50
190.0	0.00	0.0	1235.6	1235.6	0.00	572.50
191.0	0.00	0.0	1235.6	1235.6	0.00	572.50
192.0	0.00	0.0	1235.6	1235.6	0.00	572.50
193.0	0.00	0.0	1235.6	1235.6	0.00	572.50
194.0	0.00	0.0	1235.6	1235.6	0.00	572.50
195.0	0.00	0.0	1235.6	1235.6	0.00	572.50
196.0	0.00	0.0	1235.6	1235.6	0.00	572.50
197.0	0.00	0.0	1235.6	1235.6	0.00	572.50
198.0	0.00	0.0	1235.6	1235.6	0.00	572.50
199.0	0.00	0.0	1235.6	1235.6	0.00	572.50
200.0	0.00	0.0	1235.6	1235.6	0.00	572.50
201.0	0.00	0.0	1235.6	1235.6	0.00	572.50
202.0	0.00	0.0	1235.6	1235.6	0.00	572.50
203.0	0.00	0.0	1235.6	1235.6	0.00	572.50
204.0	0.00	0.0	1235.6	1235.6	0.00	572.50
205.0	0.00	0.0	1235.6	1235.6	0.00	572.50
206.0	0.00	0.0	1235.6	1235.6	0.00	572.50
207.0	0.00	0.0	1235.6	1235.6	0.00	572.50
208.0	0.00	0.0	1235.6	1235.6	0.00	572.50
209.0	0.00	0.0	1235.6	1235.6	0.00	572.50
210.0	0.00	0.0	1235.6	1235.6	0.00	572.50
211.0	0.00	0.0	1235.6	1235.6	0.00	572.50
212.0	0.00	0.0	1235.6	1235.6	0.00	572.50
213.0	0.00	0.0	1235.6	1235.6	0.00	572.50
214.0	0.00	0.0	1235.6	1235.6	0.00	572.50
215.0	0.00	0.0	1235.6	1235.6	0.00	572.50
216.0	0.00	0.0	1235.6	1235.6	0.00	572.50
217.0	0.00	0.0	1235.6	1235.6	0.00	572.50
218.0	0.00	0.0	1235.6	1235.6	0.00	572.50
219.0	0.00	0.0	1235.6	1235.6	0.00	572.50
220.0	0.00	0.0	1235.6	1235.6	0.00	572.50
221.0	0.00	0.0	1235.6	1235.6	0.00	572.50
222.0	0.00	0.0	1235.6	1235.6	0.00	572.50
223.0	0.00	0.0	1235.6	1235.6	0.00	572.50
224.0	0.00	0.0	1235.6	1235.6	0.00	572.50
225.0	0.00	0.0	1235.6	1235.6	0.00	572.50
226.0	0.00	0.0	1235.6	1235.6	0.00	572.50
227.0	0.00	0.0	1235.6	1235.6	0.00	572.50
228.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1235.6	1235.6	0.00	572.50
230.0	0.00	0.0	1235.6	1235.6	0.00	572.50
231.0	0.00	0.0	1235.6	1235.6	0.00	572.50
232.0	0.00	0.0	1235.6	1235.6	0.00	572.50
233.0	0.00	0.0	1235.6	1235.6	0.00	572.50
234.0	0.00	0.0	1235.6	1235.6	0.00	572.50
235.0	0.00	0.0	1235.6	1235.6	0.00	572.50
236.0	0.00	0.0	1235.6	1235.6	0.00	572.50
237.0	0.00	0.0	1235.6	1235.6	0.00	572.50
238.0	0.00	0.0	1235.6	1235.6	0.00	572.50
239.0	0.00	0.0	1235.6	1235.6	0.00	572.50
240.0	0.00	0.0	1235.6	1235.6	0.00	572.50
241.0	0.00	0.0	1235.6	1235.6	0.00	572.50
242.0	0.00	0.0	1235.6	1235.6	0.00	572.50
243.0	0.00	0.0	1235.6	1235.6	0.00	572.50
244.0	0.00	0.0	1235.6	1235.6	0.00	572.50
245.0	0.00	0.0	1235.6	1235.6	0.00	572.50
246.0	0.00	0.0	1235.6	1235.6	0.00	572.50
247.0	0.00	0.0	1235.6	1235.6	0.00	572.50
248.0	0.00	0.0	1235.6	1235.6	0.00	572.50
249.0	0.00	0.0	1235.6	1235.6	0.00	572.50
250.0	0.00	0.0	1235.6	1235.6	0.00	572.50
251.0	0.00	0.0	1235.6	1235.6	0.00	572.50
252.0	0.00	0.0	1235.6	1235.6	0.00	572.50
253.0	0.00	0.0	1235.6	1235.6	0.00	572.50
254.0	0.00	0.0	1235.6	1235.6	0.00	572.50
255.0	0.00	0.0	1235.6	1235.6	0.00	572.50
256.0	0.00	0.0	1235.6	1235.6	0.00	572.50
257.0	0.00	0.0	1235.6	1235.6	0.00	572.50
258.0	0.00	0.0	1235.6	1235.6	0.00	572.50
259.0	0.00	0.0	1235.6	1235.6	0.00	572.50
260.0	0.00	0.0	1235.6	1235.6	0.00	572.50
261.0	0.00	0.0	1235.6	1235.6	0.00	572.50
262.0	0.00	0.0	1235.6	1235.6	0.00	572.50
263.0	0.00	0.0	1235.6	1235.6	0.00	572.50
264.0	0.00	0.0	1235.6	1235.6	0.00	572.50
265.0	0.00	0.0	1235.6	1235.6	0.00	572.50
266.0	0.00	0.0	1235.6	1235.6	0.00	572.50
267.0	0.00	0.0	1235.6	1235.6	0.00	572.50
268.0	0.00	0.0	1235.6	1235.6	0.00	572.50
269.0	0.00	0.0	1235.6	1235.6	0.00	572.50
270.0	0.00	0.0	1235.6	1235.6	0.00	572.50
271.0	0.00	0.0	1235.6	1235.6	0.00	572.50
272.0	0.00	0.0	1235.6	1235.6	0.00	572.50
273.0	0.00	0.0	1235.6	1235.6	0.00	572.50
274.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .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	1235.6	1235.6	0.00	572.50
276.0	0.00	0.0	1235.6	1235.6	0.00	572.50
277.0	0.00	0.0	1235.6	1235.6	0.00	572.50
278.0	0.00	0.0	1235.6	1235.6	0.00	572.50
279.0	0.00	0.0	1235.6	1235.6	0.00	572.50
280.0	0.00	0.0	1235.6	1235.6	0.00	572.50
281.0	0.00	0.0	1235.6	1235.6	0.00	572.50
282.0	0.00	0.0	1235.6	1235.6	0.00	572.50
283.0	0.00	0.0	1235.6	1235.6	0.00	572.50
284.0	0.00	0.0	1235.6	1235.6	0.00	572.50
285.0	0.00	0.0	1235.6	1235.6	0.00	572.50
286.0	0.00	0.0	1235.6	1235.6	0.00	572.50
287.0	0.00	0.0	1235.6	1235.6	0.00	572.50
288.0	0.00	0.0	1235.6	1235.6	0.00	572.50
289.0	0.00	0.0	1235.6	1235.6	0.00	572.50
290.0	0.00	0.0	1235.6	1235.6	0.00	572.50
291.0	0.00	0.0	1235.6	1235.6	0.00	572.50
292.0	0.00	0.0	1235.6	1235.6	0.00	572.50
293.0	0.00	0.0	1235.6	1235.6	0.00	572.50
294.0	0.00	0.0	1235.6	1235.6	0.00	572.50
295.0	0.00	0.0	1235.6	1235.6	0.00	572.50
296.0	0.00	0.0	1235.6	1235.6	0.00	572.50
297.0	0.00	0.0	1235.6	1235.6	0.00	572.50
298.0	0.00	0.0	1235.6	1235.6	0.00	572.50
299.0	0.00	0.0	1235.6	1235.6	0.00	572.50
300.0	0.00	0.0	1235.6	1235.6	0.00	572.50
301.0	0.00	0.0	1235.6	1235.6	0.00	572.50
302.0	0.00	0.0	1235.6	1235.6	0.00	572.50
303.0	0.00	0.0	1235.6	1235.6	0.00	572.50

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

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\15BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA15BLK .HYD

Starting Pond W.S. Elevation = 572.50 ft

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

Peak Inflow	=	23.87 cfs
Peak Outflow	=	22.99 cfs
Peak Elevation	=	573.20 ft

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

Initial Storage	=	37,068 cu-ft
Peak Storage From Storm	=	8,357 cu-ft
Total Storage in Pond	=	45,425 cu-ft

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*****************************************
*                                       *
*           FOXHAVEN ADDITION           *
*          DETENTION ANALYSIS           *
*               04-05-084               *
*  BLOCKED LOW FLOW, REVISED 11/29/05   *
*                                       *
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Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Rating Table file: j:\DATA\0405084\BASINBLK.PND

----INITIAL CONDITIONS----
Elevation = 572.50 ft
Outflow = 0.00 cfs
Storage = 37,068 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + O (cfs)
572.50	0.0	37,068	1235.6	1235.6
572.70	3.5	39,380	1312.6	1316.1
572.90	9.8	41,745	1391.5	1401.3
573.10	18.0	44,164	1472.1	1490.1
573.30	27.8	46,639	1554.6	1582.4
573.50	40.0	49,170	1639.0	1679.0
573.70	47.4	51,757	1725.2	1772.6
573.90	53.7	54,401	1813.4	1867.1
574.10	59.4	57,101	1903.4	1962.8
574.30	64.6	59,860	1995.3	2059.9
574.50	69.4	62,676	2089.2	2158.6
574.70	73.8	65,551	2185.0	2258.8
574.90	78.1	68,484	2282.8	2360.9
575.00	80.1	69,973	2332.4	2412.5

25YR BLK

Time increment (t) = 1.0 min.

Input File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	-----	1235.6	1235.6	0.00	572.50
1.0	2.95	3.0	1238.3	1238.5	0.13	572.51
2.0	8.84	11.8	1248.8	1250.1	0.63	572.54
3.0	11.79	20.6	1266.5	1269.4	1.47	572.58
4.0	17.68	29.5	1290.7	1296.0	2.62	572.65
5.0	20.63	38.3	1320.1	1329.0	4.45	572.73
6.0	26.52	47.2	1352.7	1367.3	7.28	572.82
7.0	29.47	56.0	1387.7	1408.7	10.48	572.92
8.0	29.47	58.9	1418.7	1446.7	13.99	573.00
9.0	29.47	58.9	1443.9	1477.6	16.85	573.07
10.0	29.47	58.9	1464.2	1502.9	19.35	573.13
11.0	29.47	58.9	1480.1	1523.1	21.50	573.17
12.0	29.47	58.9	1492.7	1539.1	23.19	573.21
13.0	29.47	58.9	1502.6	1551.6	24.53	573.23
14.0	29.47	58.9	1510.3	1561.5	25.58	573.25
15.0	29.47	58.9	1516.5	1569.3	26.40	573.27
16.0	29.47	58.9	1521.3	1575.4	27.05	573.28
17.0	29.47	58.9	1525.1	1580.2	27.57	573.30
18.0	29.47	58.9	1528.0	1584.1	28.00	573.30
19.0	29.47	58.9	1530.2	1587.0	28.37	573.31
20.0	29.47	58.9	1531.9	1589.2	28.65	573.31
21.0	26.52	56.0	1530.9	1587.9	28.49	573.31
22.0	20.63	47.2	1523.4	1578.0	27.33	573.29
23.0	17.68	38.3	1510.5	1561.7	25.60	573.26
24.0	11.79	29.5	1493.4	1540.0	23.29	573.21
25.0	8.84	20.6	1472.9	1514.0	20.53	573.15
26.0	2.95	11.8	1449.7	1484.7	17.50	573.09
27.0	0.00	3.0	1423.6	1452.7	14.54	573.02
28.0	0.00	0.0	1399.9	1423.6	11.86	572.95
29.0	0.00	0.0	1380.5	1399.9	9.70	572.90
30.0	0.00	0.0	1364.0	1380.5	8.26	572.85
31.0	0.00	0.0	1349.9	1364.0	7.04	572.81
32.0	0.00	0.0	1337.9	1349.9	6.00	572.78
33.0	0.00	0.0	1327.7	1337.9	5.11	572.75
34.0	0.00	0.0	1319.0	1327.7	4.35	572.73
35.0	0.00	0.0	1311.6	1319.0	3.71	572.71
36.0	0.00	0.0	1305.0	1311.6	3.30	572.69
37.0	0.00	0.0	1298.9	1305.0	3.01	572.67
38.0	0.00	0.0	1293.4	1298.9	2.75	572.66
39.0	0.00	0.0	1288.4	1293.4	2.51	572.64
40.0	0.00	0.0	1283.8	1288.4	2.29	572.63
41.0	0.00	0.0	1279.6	1283.8	2.09	572.62
42.0	0.00	0.0	1275.8	1279.6	1.91	572.61
43.0	0.00	0.0	1272.3	1275.8	1.75	572.60
44.0	0.00	0.0	1269.1	1272.3	1.59	572.59

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1266.2	1269.1	1.46	572.58
46.0	0.00	0.0	1263.5	1266.2	1.33	572.58
47.0	0.00	0.0	1261.1	1263.5	1.21	572.57
48.0	0.00	0.0	1258.9	1261.1	1.11	572.56
49.0	0.00	0.0	1256.9	1258.9	1.01	572.56
50.0	0.00	0.0	1255.0	1256.9	0.92	572.55
51.0	0.00	0.0	1253.3	1255.0	0.84	572.55
52.0	0.00	0.0	1251.8	1253.3	0.77	572.54
53.0	0.00	0.0	1250.4	1251.8	0.70	572.54
54.0	0.00	0.0	1249.1	1250.4	0.64	572.54
55.0	0.00	0.0	1247.9	1249.1	0.59	572.53
56.0	0.00	0.0	1246.9	1247.9	0.54	572.53
57.0	0.00	0.0	1245.9	1246.9	0.49	572.53
58.0	0.00	0.0	1245.0	1245.9	0.45	572.53
59.0	0.00	0.0	1244.2	1245.0	0.41	572.52
60.0	0.00	0.0	1243.4	1244.2	0.37	572.52
61.0	0.00	0.0	1242.7	1243.4	0.34	572.52
62.0	0.00	0.0	1242.1	1242.7	0.31	572.52
63.0	0.00	0.0	1241.6	1242.1	0.28	572.52
64.0	0.00	0.0	1241.0	1241.6	0.26	572.51
65.0	0.00	0.0	1240.6	1241.0	0.24	572.51
66.0	0.00	0.0	1240.1	1240.6	0.22	572.51
67.0	0.00	0.0	1239.7	1240.1	0.20	572.51
68.0	0.00	0.0	1239.4	1239.7	0.18	572.51
69.0	0.00	0.0	1239.0	1239.4	0.16	572.51
70.0	0.00	0.0	1238.7	1239.0	0.15	572.51
71.0	0.00	0.0	1238.5	1238.7	0.14	572.51
72.0	0.00	0.0	1238.2	1238.5	0.13	572.51
73.0	0.00	0.0	1238.0	1238.2	0.11	572.51
74.0	0.00	0.0	1237.8	1238.0	0.10	572.51
75.0	0.00	0.0	1237.6	1237.8	0.10	572.51
76.0	0.00	0.0	1237.4	1237.6	0.09	572.50
77.0	0.00	0.0	1237.3	1237.4	0.08	572.50
78.0	0.00	0.0	1237.1	1237.3	0.07	572.50
79.0	0.00	0.0	1237.0	1237.1	0.07	572.50
80.0	0.00	0.0	1236.9	1237.0	0.06	572.50
81.0	0.00	0.0	1236.8	1236.9	0.06	572.50
82.0	0.00	0.0	1236.7	1236.8	0.05	572.50
83.0	0.00	0.0	1236.6	1236.7	0.05	572.50
84.0	0.00	0.0	1236.5	1236.6	0.04	572.50
85.0	0.00	0.0	1236.4	1236.5	0.04	572.50
86.0	0.00	0.0	1236.3	1236.4	0.04	572.50
87.0	0.00	0.0	1236.3	1236.3	0.03	572.50
88.0	0.00	0.0	1236.2	1236.3	0.03	572.50
89.0	0.00	0.0	1236.2	1236.2	0.03	572.50
90.0	0.00	0.0	1236.1	1236.2	0.02	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1236.1	1236.1	0.02	572.50
92.0	0.00	0.0	1236.0	1236.1	0.02	572.50
93.0	0.00	0.0	1236.0	1236.0	0.02	572.50
94.0	0.00	0.0	1235.9	1236.0	0.02	572.50
95.0	0.00	0.0	1235.9	1235.9	0.02	572.50
96.0	0.00	0.0	1235.9	1235.9	0.01	572.50
97.0	0.00	0.0	1235.9	1235.9	0.01	572.50
98.0	0.00	0.0	1235.8	1235.9	0.01	572.50
99.0	0.00	0.0	1235.8	1235.8	0.01	572.50
100.0	0.00	0.0	1235.8	1235.8	0.01	572.50
101.0	0.00	0.0	1235.8	1235.8	0.01	572.50
102.0	0.00	0.0	1235.8	1235.8	0.01	572.50
103.0	0.00	0.0	1235.7	1235.8	0.01	572.50
104.0	0.00	0.0	1235.7	1235.7	0.01	572.50
105.0	0.00	0.0	1235.7	1235.7	0.01	572.50
106.0	0.00	0.0	1235.7	1235.7	0.01	572.50
107.0	0.00	0.0	1235.7	1235.7	0.01	572.50
108.0	0.00	0.0	1235.7	1235.7	0.00	572.50
109.0	0.00	0.0	1235.7	1235.7	0.00	572.50
110.0	0.00	0.0	1235.7	1235.7	0.00	572.50
111.0	0.00	0.0	1235.7	1235.7	0.00	572.50
112.0	0.00	0.0	1235.7	1235.7	0.00	572.50
113.0	0.00	0.0	1235.7	1235.7	0.00	572.50
114.0	0.00	0.0	1235.6	1235.7	0.00	572.50
115.0	0.00	0.0	1235.6	1235.6	0.00	572.50
116.0	0.00	0.0	1235.6	1235.6	0.00	572.50
117.0	0.00	0.0	1235.6	1235.6	0.00	572.50
118.0	0.00	0.0	1235.6	1235.6	0.00	572.50
119.0	0.00	0.0	1235.6	1235.6	0.00	572.50
120.0	0.00	0.0	1235.6	1235.6	0.00	572.50
121.0	0.00	0.0	1235.6	1235.6	0.00	572.50
122.0	0.00	0.0	1235.6	1235.6	0.00	572.50
123.0	0.00	0.0	1235.6	1235.6	0.00	572.50
124.0	0.00	0.0	1235.6	1235.6	0.00	572.50
125.0	0.00	0.0	1235.6	1235.6	0.00	572.50
126.0	0.00	0.0	1235.6	1235.6	0.00	572.50
127.0	0.00	0.0	1235.6	1235.6	0.00	572.50
128.0	0.00	0.0	1235.6	1235.6	0.00	572.50
129.0	0.00	0.0	1235.6	1235.6	0.00	572.50
130.0	0.00	0.0	1235.6	1235.6	0.00	572.50
131.0	0.00	0.0	1235.6	1235.6	0.00	572.50
132.0	0.00	0.0	1235.6	1235.6	0.00	572.50
133.0	0.00	0.0	1235.6	1235.6	0.00	572.50
134.0	0.00	0.0	1235.6	1235.6	0.00	572.50
135.0	0.00	0.0	1235.6	1235.6	0.00	572.50
136.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1235.6	1235.6	0.00	572.50
138.0	0.00	0.0	1235.6	1235.6	0.00	572.50
139.0	0.00	0.0	1235.6	1235.6	0.00	572.50
140.0	0.00	0.0	1235.6	1235.6	0.00	572.50
141.0	0.00	0.0	1235.6	1235.6	0.00	572.50
142.0	0.00	0.0	1235.6	1235.6	0.00	572.50
143.0	0.00	0.0	1235.6	1235.6	0.00	572.50
144.0	0.00	0.0	1235.6	1235.6	0.00	572.50
145.0	0.00	0.0	1235.6	1235.6	0.00	572.50
146.0	0.00	0.0	1235.6	1235.6	0.00	572.50
147.0	0.00	0.0	1235.6	1235.6	0.00	572.50
148.0	0.00	0.0	1235.6	1235.6	0.00	572.50
149.0	0.00	0.0	1235.6	1235.6	0.00	572.50
150.0	0.00	0.0	1235.6	1235.6	0.00	572.50
151.0	0.00	0.0	1235.6	1235.6	0.00	572.50
152.0	0.00	0.0	1235.6	1235.6	0.00	572.50
153.0	0.00	0.0	1235.6	1235.6	0.00	572.50
154.0	0.00	0.0	1235.6	1235.6	0.00	572.50
155.0	0.00	0.0	1235.6	1235.6	0.00	572.50
156.0	0.00	0.0	1235.6	1235.6	0.00	572.50
157.0	0.00	0.0	1235.6	1235.6	0.00	572.50
158.0	0.00	0.0	1235.6	1235.6	0.00	572.50
159.0	0.00	0.0	1235.6	1235.6	0.00	572.50
160.0	0.00	0.0	1235.6	1235.6	0.00	572.50
161.0	0.00	0.0	1235.6	1235.6	0.00	572.50
162.0	0.00	0.0	1235.6	1235.6	0.00	572.50
163.0	0.00	0.0	1235.6	1235.6	0.00	572.50
164.0	0.00	0.0	1235.6	1235.6	0.00	572.50
165.0	0.00	0.0	1235.6	1235.6	0.00	572.50
166.0	0.00	0.0	1235.6	1235.6	0.00	572.50
167.0	0.00	0.0	1235.6	1235.6	0.00	572.50
168.0	0.00	0.0	1235.6	1235.6	0.00	572.50
169.0	0.00	0.0	1235.6	1235.6	0.00	572.50
170.0	0.00	0.0	1235.6	1235.6	0.00	572.50
171.0	0.00	0.0	1235.6	1235.6	0.00	572.50
172.0	0.00	0.0	1235.6	1235.6	0.00	572.50
173.0	0.00	0.0	1235.6	1235.6	0.00	572.50
174.0	0.00	0.0	1235.6	1235.6	0.00	572.50
175.0	0.00	0.0	1235.6	1235.6	0.00	572.50
176.0	0.00	0.0	1235.6	1235.6	0.00	572.50
177.0	0.00	0.0	1235.6	1235.6	0.00	572.50
178.0	0.00	0.0	1235.6	1235.6	0.00	572.50
179.0	0.00	0.0	1235.6	1235.6	0.00	572.50
180.0	0.00	0.0	1235.6	1235.6	0.00	572.50
181.0	0.00	0.0	1235.6	1235.6	0.00	572.50
182.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.POND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1235.6	1235.6	0.00	572.50
184.0	0.00	0.0	1235.6	1235.6	0.00	572.50
185.0	0.00	0.0	1235.6	1235.6	0.00	572.50
186.0	0.00	0.0	1235.6	1235.6	0.00	572.50
187.0	0.00	0.0	1235.6	1235.6	0.00	572.50
188.0	0.00	0.0	1235.6	1235.6	0.00	572.50
189.0	0.00	0.0	1235.6	1235.6	0.00	572.50
190.0	0.00	0.0	1235.6	1235.6	0.00	572.50
191.0	0.00	0.0	1235.6	1235.6	0.00	572.50
192.0	0.00	0.0	1235.6	1235.6	0.00	572.50
193.0	0.00	0.0	1235.6	1235.6	0.00	572.50
194.0	0.00	0.0	1235.6	1235.6	0.00	572.50
195.0	0.00	0.0	1235.6	1235.6	0.00	572.50
196.0	0.00	0.0	1235.6	1235.6	0.00	572.50
197.0	0.00	0.0	1235.6	1235.6	0.00	572.50
198.0	0.00	0.0	1235.6	1235.6	0.00	572.50
199.0	0.00	0.0	1235.6	1235.6	0.00	572.50
200.0	0.00	0.0	1235.6	1235.6	0.00	572.50
201.0	0.00	0.0	1235.6	1235.6	0.00	572.50
202.0	0.00	0.0	1235.6	1235.6	0.00	572.50
203.0	0.00	0.0	1235.6	1235.6	0.00	572.50
204.0	0.00	0.0	1235.6	1235.6	0.00	572.50
205.0	0.00	0.0	1235.6	1235.6	0.00	572.50
206.0	0.00	0.0	1235.6	1235.6	0.00	572.50
207.0	0.00	0.0	1235.6	1235.6	0.00	572.50
208.0	0.00	0.0	1235.6	1235.6	0.00	572.50
209.0	0.00	0.0	1235.6	1235.6	0.00	572.50
210.0	0.00	0.0	1235.6	1235.6	0.00	572.50
211.0	0.00	0.0	1235.6	1235.6	0.00	572.50
212.0	0.00	0.0	1235.6	1235.6	0.00	572.50
213.0	0.00	0.0	1235.6	1235.6	0.00	572.50
214.0	0.00	0.0	1235.6	1235.6	0.00	572.50
215.0	0.00	0.0	1235.6	1235.6	0.00	572.50
216.0	0.00	0.0	1235.6	1235.6	0.00	572.50
217.0	0.00	0.0	1235.6	1235.6	0.00	572.50
218.0	0.00	0.0	1235.6	1235.6	0.00	572.50
219.0	0.00	0.0	1235.6	1235.6	0.00	572.50
220.0	0.00	0.0	1235.6	1235.6	0.00	572.50
221.0	0.00	0.0	1235.6	1235.6	0.00	572.50
222.0	0.00	0.0	1235.6	1235.6	0.00	572.50
223.0	0.00	0.0	1235.6	1235.6	0.00	572.50
224.0	0.00	0.0	1235.6	1235.6	0.00	572.50
225.0	0.00	0.0	1235.6	1235.6	0.00	572.50
226.0	0.00	0.0	1235.6	1235.6	0.00	572.50
227.0	0.00	0.0	1235.6	1235.6	0.00	572.50
228.0	0.00	0.0	1235.6	1235.6	0.00	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1235.6	1235.6	0.00	572.50
230.0	0.00	0.0	1235.6	1235.6	0.00	572.50
231.0	0.00	0.0	1235.6	1235.6	0.00	572.50
232.0	0.00	0.0	1235.6	1235.6	0.00	572.50
233.0	0.00	0.0	1235.6	1235.6	0.00	572.50
234.0	0.00	0.0	1235.6	1235.6	0.00	572.50
235.0	0.00	0.0	1235.6	1235.6	0.00	572.50
236.0	0.00	0.0	1235.6	1235.6	0.00	572.50
237.0	0.00	0.0	1235.6	1235.6	0.00	572.50
238.0	0.00	0.0	1235.6	1235.6	0.00	572.50
239.0	0.00	0.0	1235.6	1235.6	0.00	572.50
240.0	0.00	0.0	1235.6	1235.6	0.00	572.50
241.0	0.00	0.0	1235.6	1235.6	0.00	572.50
242.0	0.00	0.0	1235.6	1235.6	0.00	572.50
243.0	0.00	0.0	1235.6	1235.6	0.00	572.50
244.0	0.00	0.0	1235.6	1235.6	0.00	572.50
245.0	0.00	0.0	1235.6	1235.6	0.00	572.50
246.0	0.00	0.0	1235.6	1235.6	0.00	572.50
247.0	0.00	0.0	1235.6	1235.6	0.00	572.50
248.0	0.00	0.0	1235.6	1235.6	0.00	572.50
249.0	0.00	0.0	1235.6	1235.6	0.00	572.50
250.0	0.00	0.0	1235.6	1235.6	0.00	572.50
251.0	0.00	0.0	1235.6	1235.6	0.00	572.50
252.0	0.00	0.0	1235.6	1235.6	0.00	572.50
253.0	0.00	0.0	1235.6	1235.6	0.00	572.50
254.0	0.00	0.0	1235.6	1235.6	0.00	572.50
255.0	0.00	0.0	1235.6	1235.6	0.00	572.50
256.0	0.00	0.0	1235.6	1235.6	0.00	572.50
257.0	0.00	0.0	1235.6	1235.6	0.00	572.50
258.0	0.00	0.0	1235.6	1235.6	0.00	572.50
259.0	0.00	0.0	1235.6	1235.6	0.00	572.50
260.0	0.00	0.0	1235.6	1235.6	0.00	572.50
261.0	0.00	0.0	1235.6	1235.6	0.00	572.50
262.0	0.00	0.0	1235.6	1235.6	0.00	572.50
263.0	0.00	0.0	1235.6	1235.6	0.00	572.50
264.0	0.00	0.0	1235.6	1235.6	0.00	572.50
265.0	0.00	0.0	1235.6	1235.6	0.00	572.50
266.0	0.00	0.0	1235.6	1235.6	0.00	572.50
267.0	0.00	0.0	1235.6	1235.6	0.00	572.50
268.0	0.00	0.0	1235.6	1235.6	0.00	572.50
269.0	0.00	0.0	1235.6	1235.6	0.00	572.50
270.0	0.00	0.0	1235.6	1235.6	0.00	572.50
271.0	0.00	0.0	1235.6	1235.6	0.00	572.50
272.0	0.00	0.0	1235.6	1235.6	0.00	572.50
273.0	0.00	0.0	1235.6	1235.6	0.00	572.50
274.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .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	1235.6	1235.6	0.00	572.50
276.0	0.00	0.0	1235.6	1235.6	0.00	572.50
277.0	0.00	0.0	1235.6	1235.6	0.00	572.50
278.0	0.00	0.0	1235.6	1235.6	0.00	572.50
279.0	0.00	0.0	1235.6	1235.6	0.00	572.50
280.0	0.00	0.0	1235.6	1235.6	0.00	572.50
281.0	0.00	0.0	1235.6	1235.6	0.00	572.50
282.0	0.00	0.0	1235.6	1235.6	0.00	572.50
283.0	0.00	0.0	1235.6	1235.6	0.00	572.50
284.0	0.00	0.0	1235.6	1235.6	0.00	572.50
285.0	0.00	0.0	1235.6	1235.6	0.00	572.50
286.0	0.00	0.0	1235.6	1235.6	0.00	572.50
287.0	0.00	0.0	1235.6	1235.6	0.00	572.50
288.0	0.00	0.0	1235.6	1235.6	0.00	572.50
289.0	0.00	0.0	1235.6	1235.6	0.00	572.50
290.0	0.00	0.0	1235.6	1235.6	0.00	572.50
291.0	0.00	0.0	1235.6	1235.6	0.00	572.50
292.0	0.00	0.0	1235.6	1235.6	0.00	572.50
293.0	0.00	0.0	1235.6	1235.6	0.00	572.50
294.0	0.00	0.0	1235.6	1235.6	0.00	572.50
295.0	0.00	0.0	1235.6	1235.6	0.00	572.50
296.0	0.00	0.0	1235.6	1235.6	0.00	572.50
297.0	0.00	0.0	1235.6	1235.6	0.00	572.50
298.0	0.00	0.0	1235.6	1235.6	0.00	572.50
299.0	0.00	0.0	1235.6	1235.6	0.00	572.50
300.0	0.00	0.0	1235.6	1235.6	0.00	572.50
301.0	0.00	0.0	1235.6	1235.6	0.00	572.50
302.0	0.00	0.0	1235.6	1235.6	0.00	572.50
303.0	0.00	0.0	1235.6	1235.6	0.00	572.50

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

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\25BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA25BLK .HYD

Starting Pond W.S. Elevation = 572.50 ft

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

Peak Inflow	=	29.47 cfs
Peak Outflow	=	28.65 cfs
Peak Elevation	=	573.31 ft

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

Initial Storage	=	37,068 cu-ft
Peak Storage From Storm	=	9,748 cu-ft
Total Storage in Pond	=	46,816 cu-ft

```
*****************************************
*                                       *
*           FOXHAVEN ADDITION           *
*          DETENTION ANALYSIS           *
*               04-05-084               *
*  BLOCKED LOW FLOW, REVISED 11/29/05   *
*                                       *
*****************************************
```

Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Rating Table file: j:\DATA\0405084\BASINBLK.PND

----INITIAL CONDITIONS----
Elevation = 572.50 ft
Outflow   =   0.00 cfs
Storage   =   37,068 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + O (cfs)
572.50	0.0	37,068	1235.6	1235.6
572.70	3.5	39,380	1312.6	1316.1
572.90	9.8	41,745	1391.5	1401.3
573.10	18.0	44,164	1472.1	1490.1
573.30	27.8	46,639	1554.6	1582.4
573.50	40.0	49,170	1639.0	1679.0
573.70	47.4	51,757	1725.2	1772.6
573.90	53.7	54,401	1813.4	1867.1
574.10	59.4	57,101	1903.4	1962.8
574.30	64.6	59,860	1995.3	2059.9
574.50	69.4	62,676	2089.2	2158.6
574.70	73.8	65,551	2185.0	2258.8
574.90	78.1	68,484	2282.8	2360.9
575.00	80.1	69,973	2332.4	2412.5

Time increment (t) = 1.0 min.

100 YR BLK

nd File: j:\DATA\0405084\BASINBLK.POND
..flow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	-----	1235.6	1235.6	0.00	572.50
1.0	3.77	3.8	1239.0	1239.4	0.16	572.51
2.0	11.31	15.1	1252.5	1254.1	0.80	572.55
3.0	15.08	26.4	1275.1	1278.9	1.88	572.61
4.0	22.62	37.7	1306.1	1312.8	3.36	572.69
5.0	26.39	49.0	1342.4	1355.1	6.38	572.79
6.0	33.93	60.3	1382.8	1402.7	9.93	572.90
7.0	37.70	71.6	1425.0	1454.5	14.71	573.02
8.0	37.70	75.4	1462.3	1500.4	19.09	573.12
9.0	37.70	75.4	1491.6	1537.7	23.04	573.20
10.0	37.70	75.4	1514.6	1567.0	26.16	573.27
11.0	37.70	75.4	1532.5	1590.0	28.76	573.32
12.0	37.70	75.4	1545.9	1607.9	31.02	573.35
13.0	37.70	75.4	1555.9	1621.3	32.71	573.38
14.0	37.70	75.4	1563.3	1631.3	33.97	573.40
15.0	37.70	75.4	1568.9	1638.7	34.91	573.42
16.0	37.70	75.4	1573.1	1644.3	35.62	573.43
17.0	37.70	75.4	1576.2	1648.5	36.14	573.44
18.0	37.70	75.4	1578.5	1651.6	36.54	573.44
19.0	37.70	75.4	1580.3	1653.9	36.83	573.45
20.0	37.70	75.4	1581.6	1655.7	37.05	573.45
21.0	33.93	71.6	1579.7	1653.2	36.74	573.45
22.0	26.39	60.3	1569.9	1640.0	35.08	573.42
23.0	22.62	49.0	1554.1	1618.9	32.40	573.38
24.0	15.08	37.7	1533.8	1591.8	28.98	573.32
25.0	11.31	26.4	1509.3	1560.2	25.44	573.25
26.0	3.77	15.1	1481.1	1524.4	21.64	573.17
27.0	0.00	3.8	1449.9	1484.9	17.52	573.09
28.0	0.00	0.0	1421.3	1449.9	14.28	573.01
29.0	0.00	0.0	1398.0	1421.3	11.65	572.95
30.0	0.00	0.0	1378.9	1398.0	9.56	572.89
31.0	0.00	0.0	1362.6	1378.9	8.14	572.85
32.0	0.00	0.0	1348.7	1362.6	6.94	572.81
33.0	0.00	0.0	1336.9	1348.7	5.91	572.78
34.0	0.00	0.0	1326.8	1336.9	5.04	572.75
35.0	0.00	0.0	1318.3	1326.8	4.29	572.73
36.0	0.00	0.0	1310.9	1318.3	3.66	572.70
37.0	0.00	0.0	1304.4	1310.9	3.27	572.69
38.0	0.00	0.0	1298.4	1304.4	2.99	572.67
39.0	0.00	0.0	1293.0	1298.4	2.73	572.66
40.0	0.00	0.0	1288.0	1293.0	2.49	572.64
41.0	0.00	0.0	1283.4	1288.0	2.28	572.63
42.0	0.00	0.0	1279.3	1283.4	2.08	572.62
43.0	0.00	0.0	1275.5	1279.3	1.90	572.61
44.0	0.00	0.0	1272.0	1275.5	1.73	572.60

nd File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1268.8	1272.0	1.58	572.59
46.0	0.00	0.0	1266.0	1268.8	1.44	572.58
47.0	0.00	0.0	1263.3	1266.0	1.32	572.58
48.0	0.00	0.0	1260.9	1263.3	1.20	572.57
49.0	0.00	0.0	1258.7	1260.9	1.10	572.56
50.0	0.00	0.0	1256.7	1258.7	1.00	572.56
51.0	0.00	0.0	1254.9	1256.7	0.92	572.55
52.0	0.00	0.0	1253.2	1254.9	0.84	572.55
53.0	0.00	0.0	1251.7	1253.2	0.76	572.54
54.0	0.00	0.0	1250.3	1251.7	0.70	572.54
55.0	0.00	0.0	1249.0	1250.3	0.64	572.54
56.0	0.00	0.0	1247.8	1249.0	0.58	572.53
57.0	0.00	0.0	1246.8	1247.8	0.53	572.53
58.0	0.00	0.0	1245.8	1246.8	0.49	572.53
59.0	0.00	0.0	1244.9	1245.8	0.44	572.53
60.0	0.00	0.0	1244.1	1244.9	0.40	572.52
61.0	0.00	0.0	1243.4	1244.1	0.37	572.52
62.0	0.00	0.0	1242.7	1243.4	0.34	572.52
63.0	0.00	0.0	1242.1	1242.7	0.31	572.52
64.0	0.00	0.0	1241.5	1242.1	0.28	572.52
65.0	0.00	0.0	1241.0	1241.5	0.26	572.51
66.0	0.00	0.0	1240.5	1241.0	0.23	572.51
67.0	0.00	0.0	1240.1	1240.5	0.21	572.51
68.0	0.00	0.0	1239.7	1240.1	0.20	572.51
69.0	0.00	0.0	1239.3	1239.7	0.18	572.51
70.0	0.00	0.0	1239.0	1239.3	0.16	572.51
71.0	0.00	0.0	1238.7	1239.0	0.15	572.51
72.0	0.00	0.0	1238.4	1238.7	0.14	572.51
73.0	0.00	0.0	1238.2	1238.4	0.12	572.51
74.0	0.00	0.0	1238.0	1238.2	0.11	572.51
75.0	0.00	0.0	1237.8	1238.0	0.10	572.51
76.0	0.00	0.0	1237.6	1237.8	0.09	572.51
77.0	0.00	0.0	1237.4	1237.6	0.09	572.50
78.0	0.00	0.0	1237.2	1237.4	0.08	572.50
79.0	0.00	0.0	1237.1	1237.2	0.07	572.50
80.0	0.00	0.0	1237.0	1237.1	0.07	572.50
81.0	0.00	0.0	1236.9	1237.0	0.06	572.50
82.0	0.00	0.0	1236.7	1236.9	0.05	572.50
83.0	0.00	0.0	1236.6	1236.7	0.05	572.50
84.0	0.00	0.0	1236.6	1236.6	0.05	572.50
85.0	0.00	0.0	1236.5	1236.6	0.04	572.50
86.0	0.00	0.0	1236.4	1236.5	0.04	572.50
87.0	0.00	0.0	1236.3	1236.4	0.03	572.50
88.0	0.00	0.0	1236.3	1236.3	0.03	572.50
89.0	0.00	0.0	1236.2	1236.3	0.03	572.50
90.0	0.00	0.0	1236.1	1236.2	0.03	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
.flow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1236.1	1236.1	0.02	572.50
92.0	0.00	0.0	1236.1	1236.1	0.02	572.50
93.0	0.00	0.0	1236.0	1236.1	0.02	572.50
94.0	0.00	0.0	1236.0	1236.0	0.02	572.50
95.0	0.00	0.0	1235.9	1236.0	0.02	572.50
96.0	0.00	0.0	1235.9	1235.9	0.02	572.50
97.0	0.00	0.0	1235.9	1235.9	0.01	572.50
98.0	0.00	0.0	1235.9	1235.9	0.01	572.50
99.0	0.00	0.0	1235.8	1235.9	0.01	572.50
100.0	0.00	0.0	1235.8	1235.8	0.01	572.50
101.0	0.00	0.0	1235.8	1235.8	0.01	572.50
102.0	0.00	0.0	1235.8	1235.8	0.01	572.50
103.0	0.00	0.0	1235.8	1235.8	0.01	572.50
104.0	0.00	0.0	1235.7	1235.8	0.01	572.50
105.0	0.00	0.0	1235.7	1235.7	0.01	572.50
106.0	0.00	0.0	1235.7	1235.7	0.01	572.50
107.0	0.00	0.0	1235.7	1235.7	0.01	572.50
108.0	0.00	0.0	1235.7	1235.7	0.01	572.50
109.0	0.00	0.0	1235.7	1235.7	0.00	572.50
110.0	0.00	0.0	1235.7	1235.7	0.00	572.50
111.0	0.00	0.0	1235.7	1235.7	0.00	572.50
112.0	0.00	0.0	1235.7	1235.7	0.00	572.50
113.0	0.00	0.0	1235.7	1235.7	0.00	572.50
114.0	0.00	0.0	1235.7	1235.7	0.00	572.50
115.0	0.00	0.0	1235.6	1235.7	0.00	572.50
116.0	0.00	0.0	1235.6	1235.6	0.00	572.50
117.0	0.00	0.0	1235.6	1235.6	0.00	572.50
118.0	0.00	0.0	1235.6	1235.6	0.00	572.50
119.0	0.00	0.0	1235.6	1235.6	0.00	572.50
120.0	0.00	0.0	1235.6	1235.6	0.00	572.50
121.0	0.00	0.0	1235.6	1235.6	0.00	572.50
122.0	0.00	0.0	1235.6	1235.6	0.00	572.50
123.0	0.00	0.0	1235.6	1235.6	0.00	572.50
124.0	0.00	0.0	1235.6	1235.6	0.00	572.50
125.0	0.00	0.0	1235.6	1235.6	0.00	572.50
126.0	0.00	0.0	1235.6	1235.6	0.00	572.50
127.0	0.00	0.0	1235.6	1235.6	0.00	572.50
128.0	0.00	0.0	1235.6	1235.6	0.00	572.50
129.0	0.00	0.0	1235.6	1235.6	0.00	572.50
130.0	0.00	0.0	1235.6	1235.6	0.00	572.50
131.0	0.00	0.0	1235.6	1235.6	0.00	572.50
132.0	0.00	0.0	1235.6	1235.6	0.00	572.50
133.0	0.00	0.0	1235.6	1235.6	0.00	572.50
134.0	0.00	0.0	1235.6	1235.6	0.00	572.50
135.0	0.00	0.0	1235.6	1235.6	0.00	572.50
136.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1235.6	1235.6	0.00	572.50
138.0	0.00	0.0	1235.6	1235.6	0.00	572.50
139.0	0.00	0.0	1235.6	1235.6	0.00	572.50
140.0	0.00	0.0	1235.6	1235.6	0.00	572.50
141.0	0.00	0.0	1235.6	1235.6	0.00	572.50
142.0	0.00	0.0	1235.6	1235.6	0.00	572.50
143.0	0.00	0.0	1235.6	1235.6	0.00	572.50
144.0	0.00	0.0	1235.6	1235.6	0.00	572.50
145.0	0.00	0.0	1235.6	1235.6	0.00	572.50
146.0	0.00	0.0	1235.6	1235.6	0.00	572.50
147.0	0.00	0.0	1235.6	1235.6	0.00	572.50
148.0	0.00	0.0	1235.6	1235.6	0.00	572.50
149.0	0.00	0.0	1235.6	1235.6	0.00	572.50
150.0	0.00	0.0	1235.6	1235.6	0.00	572.50
151.0	0.00	0.0	1235.6	1235.6	0.00	572.50
152.0	0.00	0.0	1235.6	1235.6	0.00	572.50
153.0	0.00	0.0	1235.6	1235.6	0.00	572.50
154.0	0.00	0.0	1235.6	1235.6	0.00	572.50
155.0	0.00	0.0	1235.6	1235.6	0.00	572.50
156.0	0.00	0.0	1235.6	1235.6	0.00	572.50
157.0	0.00	0.0	1235.6	1235.6	0.00	572.50
158.0	0.00	0.0	1235.6	1235.6	0.00	572.50
159.0	0.00	0.0	1235.6	1235.6	0.00	572.50
160.0	0.00	0.0	1235.6	1235.6	0.00	572.50
161.0	0.00	0.0	1235.6	1235.6	0.00	572.50
162.0	0.00	0.0	1235.6	1235.6	0.00	572.50
163.0	0.00	0.0	1235.6	1235.6	0.00	572.50
164.0	0.00	0.0	1235.6	1235.6	0.00	572.50
165.0	0.00	0.0	1235.6	1235.6	0.00	572.50
166.0	0.00	0.0	1235.6	1235.6	0.00	572.50
167.0	0.00	0.0	1235.6	1235.6	0.00	572.50
168.0	0.00	0.0	1235.6	1235.6	0.00	572.50
169.0	0.00	0.0	1235.6	1235.6	0.00	572.50
170.0	0.00	0.0	1235.6	1235.6	0.00	572.50
171.0	0.00	0.0	1235.6	1235.6	0.00	572.50
172.0	0.00	0.0	1235.6	1235.6	0.00	572.50
173.0	0.00	0.0	1235.6	1235.6	0.00	572.50
174.0	0.00	0.0	1235.6	1235.6	0.00	572.50
175.0	0.00	0.0	1235.6	1235.6	0.00	572.50
176.0	0.00	0.0	1235.6	1235.6	0.00	572.50
177.0	0.00	0.0	1235.6	1235.6	0.00	572.50
178.0	0.00	0.0	1235.6	1235.6	0.00	572.50
179.0	0.00	0.0	1235.6	1235.6	0.00	572.50
180.0	0.00	0.0	1235.6	1235.6	0.00	572.50
181.0	0.00	0.0	1235.6	1235.6	0.00	572.50
182.0	0.00	0.0	1235.6	1235.6	0.00	572.50

nd File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1235.6	1235.6	0.00	572.50
184.0	0.00	0.0	1235.6	1235.6	0.00	572.50
185.0	0.00	0.0	1235.6	1235.6	0.00	572.50
186.0	0.00	0.0	1235.6	1235.6	0.00	572.50
187.0	0.00	0.0	1235.6	1235.6	0.00	572.50
188.0	0.00	0.0	1235.6	1235.6	0.00	572.50
189.0	0.00	0.0	1235.6	1235.6	0.00	572.50
190.0	0.00	0.0	1235.6	1235.6	0.00	572.50
191.0	0.00	0.0	1235.6	1235.6	0.00	572.50
192.0	0.00	0.0	1235.6	1235.6	0.00	572.50
193.0	0.00	0.0	1235.6	1235.6	0.00	572.50
194.0	0.00	0.0	1235.6	1235.6	0.00	572.50
195.0	0.00	0.0	1235.6	1235.6	0.00	572.50
196.0	0.00	0.0	1235.6	1235.6	0.00	572.50
197.0	0.00	0.0	1235.6	1235.6	0.00	572.50
198.0	0.00	0.0	1235.6	1235.6	0.00	572.50
199.0	0.00	0.0	1235.6	1235.6	0.00	572.50
200.0	0.00	0.0	1235.6	1235.6	0.00	572.50
201.0	0.00	0.0	1235.6	1235.6	0.00	572.50
202.0	0.00	0.0	1235.6	1235.6	0.00	572.50
203.0	0.00	0.0	1235.6	1235.6	0.00	572.50
204.0	0.00	0.0	1235.6	1235.6	0.00	572.50
205.0	0.00	0.0	1235.6	1235.6	0.00	572.50
206.0	0.00	0.0	1235.6	1235.6	0.00	572.50
207.0	0.00	0.0	1235.6	1235.6	0.00	572.50
208.0	0.00	0.0	1235.6	1235.6	0.00	572.50
209.0	0.00	0.0	1235.6	1235.6	0.00	572.50
210.0	0.00	0.0	1235.6	1235.6	0.00	572.50
211.0	0.00	0.0	1235.6	1235.6	0.00	572.50
212.0	0.00	0.0	1235.6	1235.6	0.00	572.50
213.0	0.00	0.0	1235.6	1235.6	0.00	572.50
214.0	0.00	0.0	1235.6	1235.6	0.00	572.50
215.0	0.00	0.0	1235.6	1235.6	0.00	572.50
216.0	0.00	0.0	1235.6	1235.6	0.00	572.50
217.0	0.00	0.0	1235.6	1235.6	0.00	572.50
218.0	0.00	0.0	1235.6	1235.6	0.00	572.50
219.0	0.00	0.0	1235.6	1235.6	0.00	572.50
220.0	0.00	0.0	1235.6	1235.6	0.00	572.50
221.0	0.00	0.0	1235.6	1235.6	0.00	572.50
222.0	0.00	0.0	1235.6	1235.6	0.00	572.50
223.0	0.00	0.0	1235.6	1235.6	0.00	572.50
224.0	0.00	0.0	1235.6	1235.6	0.00	572.50
225.0	0.00	0.0	1235.6	1235.6	0.00	572.50
226.0	0.00	0.0	1235.6	1235.6	0.00	572.50
227.0	0.00	0.0	1235.6	1235.6	0.00	572.50
228.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1235.6	1235.6	0.00	572.50
230.0	0.00	0.0	1235.6	1235.6	0.00	572.50
231.0	0.00	0.0	1235.6	1235.6	0.00	572.50
232.0	0.00	0.0	1235.6	1235.6	0.00	572.50
233.0	0.00	0.0	1235.6	1235.6	0.00	572.50
234.0	0.00	0.0	1235.6	1235.6	0.00	572.50
235.0	0.00	0.0	1235.6	1235.6	0.00	572.50
236.0	0.00	0.0	1235.6	1235.6	0.00	572.50
237.0	0.00	0.0	1235.6	1235.6	0.00	572.50
238.0	0.00	0.0	1235.6	1235.6	0.00	572.50
239.0	0.00	0.0	1235.6	1235.6	0.00	572.50
240.0	0.00	0.0	1235.6	1235.6	0.00	572.50
241.0	0.00	0.0	1235.6	1235.6	0.00	572.50
242.0	0.00	0.0	1235.6	1235.6	0.00	572.50
243.0	0.00	0.0	1235.6	1235.6	0.00	572.50
244.0	0.00	0.0	1235.6	1235.6	0.00	572.50
245.0	0.00	0.0	1235.6	1235.6	0.00	572.50
246.0	0.00	0.0	1235.6	1235.6	0.00	572.50
247.0	0.00	0.0	1235.6	1235.6	0.00	572.50
248.0	0.00	0.0	1235.6	1235.6	0.00	572.50
249.0	0.00	0.0	1235.6	1235.6	0.00	572.50
250.0	0.00	0.0	1235.6	1235.6	0.00	572.50
251.0	0.00	0.0	1235.6	1235.6	0.00	572.50
252.0	0.00	0.0	1235.6	1235.6	0.00	572.50
253.0	0.00	0.0	1235.6	1235.6	0.00	572.50
254.0	0.00	0.0	1235.6	1235.6	0.00	572.50
255.0	0.00	0.0	1235.6	1235.6	0.00	572.50
256.0	0.00	0.0	1235.6	1235.6	0.00	572.50
257.0	0.00	0.0	1235.6	1235.6	0.00	572.50
258.0	0.00	0.0	1235.6	1235.6	0.00	572.50
259.0	0.00	0.0	1235.6	1235.6	0.00	572.50
260.0	0.00	0.0	1235.6	1235.6	0.00	572.50
261.0	0.00	0.0	1235.6	1235.6	0.00	572.50
262.0	0.00	0.0	1235.6	1235.6	0.00	572.50
263.0	0.00	0.0	1235.6	1235.6	0.00	572.50
264.0	0.00	0.0	1235.6	1235.6	0.00	572.50
265.0	0.00	0.0	1235.6	1235.6	0.00	572.50
266.0	0.00	0.0	1235.6	1235.6	0.00	572.50
267.0	0.00	0.0	1235.6	1235.6	0.00	572.50
268.0	0.00	0.0	1235.6	1235.6	0.00	572.50
269.0	0.00	0.0	1235.6	1235.6	0.00	572.50
270.0	0.00	0.0	1235.6	1235.6	0.00	572.50
271.0	0.00	0.0	1235.6	1235.6	0.00	572.50
272.0	0.00	0.0	1235.6	1235.6	0.00	572.50
273.0	0.00	0.0	1235.6	1235.6	0.00	572.50
274.0	0.00	0.0	1235.6	1235.6	0.00	572.50

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.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	1235.6	1235.6	0.00	572.50
276.0	0.00	0.0	1235.6	1235.6	0.00	572.50
277.0	0.00	0.0	1235.6	1235.6	0.00	572.50
278.0	0.00	0.0	1235.6	1235.6	0.00	572.50
279.0	0.00	0.0	1235.6	1235.6	0.00	572.50
280.0	0.00	0.0	1235.6	1235.6	0.00	572.50
281.0	0.00	0.0	1235.6	1235.6	0.00	572.50
282.0	0.00	0.0	1235.6	1235.6	0.00	572.50
283.0	0.00	0.0	1235.6	1235.6	0.00	572.50
284.0	0.00	0.0	1235.6	1235.6	0.00	572.50
285.0	0.00	0.0	1235.6	1235.6	0.00	572.50
286.0	0.00	0.0	1235.6	1235.6	0.00	572.50
287.0	0.00	0.0	1235.6	1235.6	0.00	572.50
288.0	0.00	0.0	1235.6	1235.6	0.00	572.50
289.0	0.00	0.0	1235.6	1235.6	0.00	572.50
290.0	0.00	0.0	1235.6	1235.6	0.00	572.50
291.0	0.00	0.0	1235.6	1235.6	0.00	572.50
292.0	0.00	0.0	1235.6	1235.6	0.00	572.50
293.0	0.00	0.0	1235.6	1235.6	0.00	572.50
294.0	0.00	0.0	1235.6	1235.6	0.00	572.50
295.0	0.00	0.0	1235.6	1235.6	0.00	572.50
296.0	0.00	0.0	1235.6	1235.6	0.00	572.50
297.0	0.00	0.0	1235.6	1235.6	0.00	572.50
298.0	0.00	0.0	1235.6	1235.6	0.00	572.50
299.0	0.00	0.0	1235.6	1235.6	0.00	572.50
300.0	0.00	0.0	1235.6	1235.6	0.00	572.50
301.0	0.00	0.0	1235.6	1235.6	0.00	572.50
302.0	0.00	0.0	1235.6	1235.6	0.00	572.50
303.0	0.00	0.0	1235.6	1235.6	0.00	572.50

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

Pond File: j:\DATA\0405084\BASINBLK.PND
Inflow Hydrograph: j:\DATA\0405084\100BASN .HYD
Outflow Hydrograph: j:\DATA\0405084\BA100BLK.HYD

Starting Pond W.S. Elevation = 572.50 ft

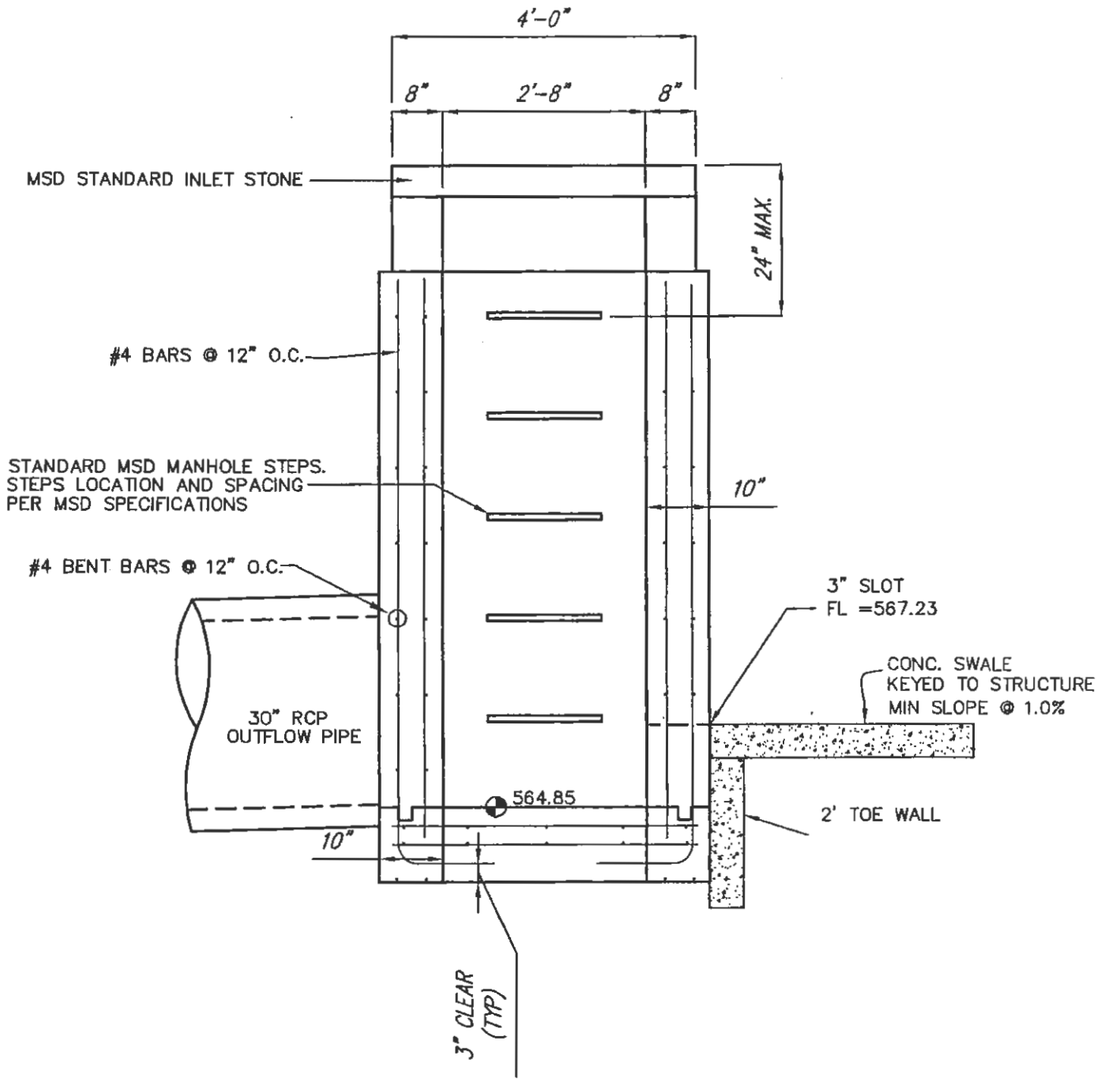
***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow	=	37.70 cfs
Peak Outflow	=	37.05 cfs
Peak Elevation	=	573.45 ft

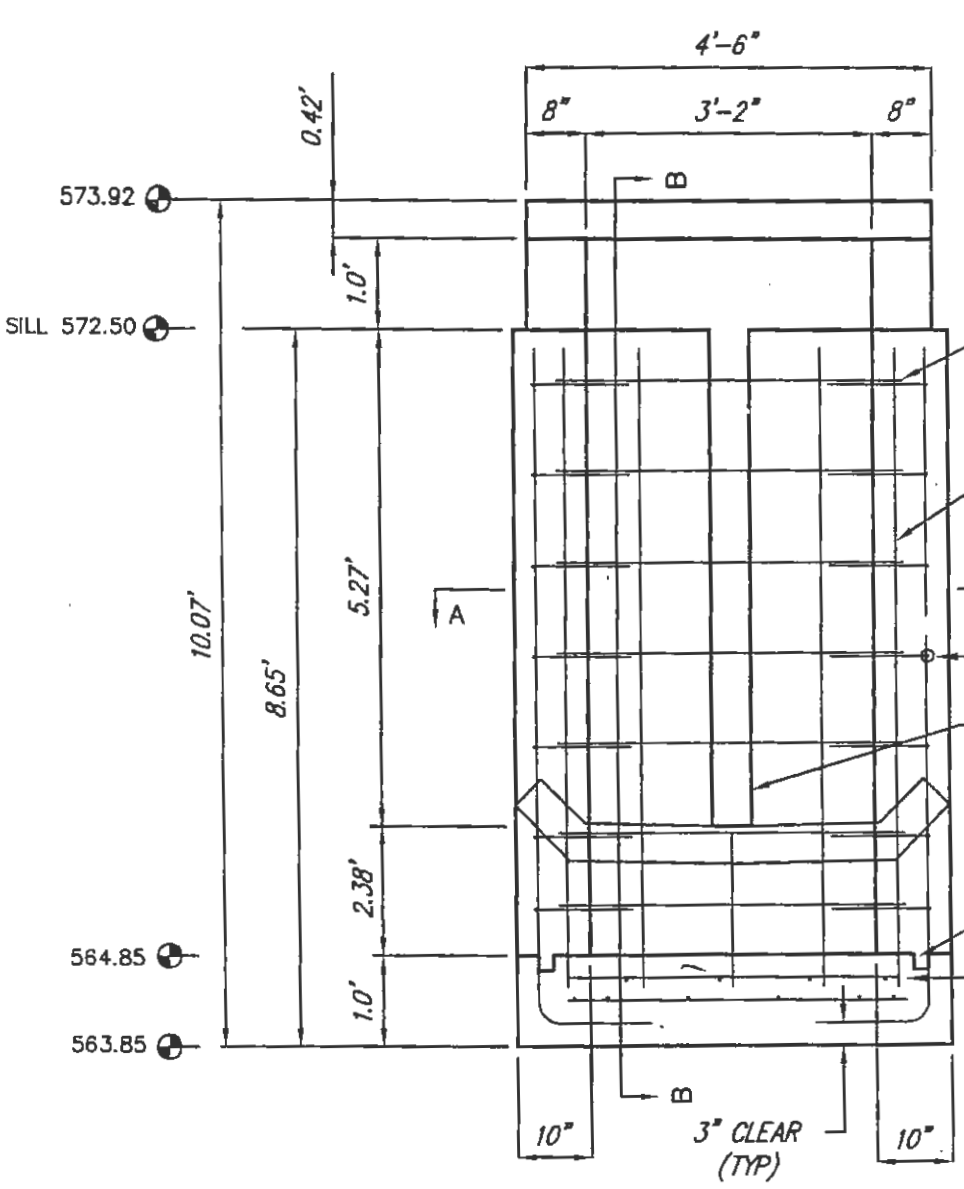
***** Summary of Approximate Peak Storage *****

Initial Storage	=	37,068 cu-ft
Peak Storage From Storm	=	11,491 cu-ft
Total Storage in Pond	=	48,558 cu-ft

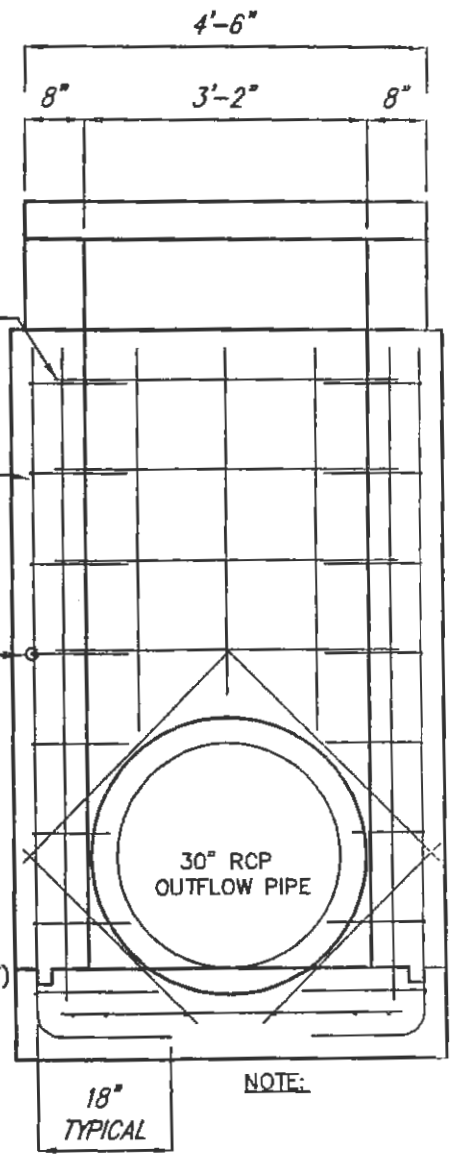
STRUCTURE



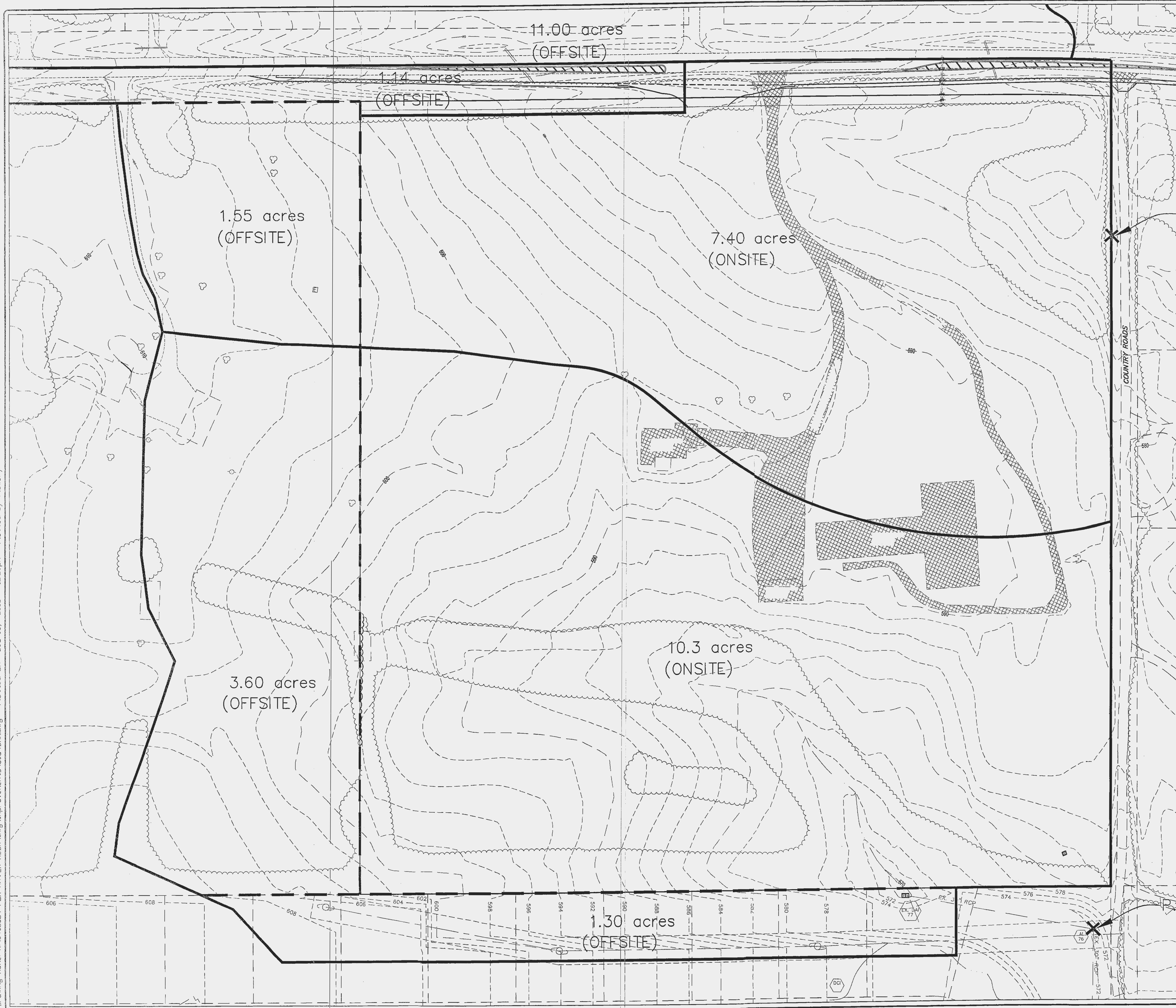
OUTFALL STRUCTURE
SECTION B-B
N.T.S.



OUTFALL STRUCTURE
FRONT ELEVATION
N.T.S.



OUTFALL STRUCTURE
REAR ELEVATION
N.T.S.



P.O.I.#1 EXISTING RUNOFF

2 YR – 20 MIN. RUNOFF			15 YR – 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
11.00	1.15	12.65	11.00	1.87	20.57
7.40	1.15	8.51	7.40	1.87	13.84
1.14	1.61	1.84	1.14	2.64	3.01
1.55	1.61	2.50	1.55	2.64	4.09
TOTAL RUNOFF (Q) = 25.50 (cfs)			TOTAL RUNOFF (Q) = 41.51 (cfs)		

25 YR – 20 MIN. RUNOFF			100 YR – 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
11.00	2.31	25.41	11.00	2.95	32.45
7.40	2.31	17.09	7.40	2.95	21.83
1.14	3.26	3.72	1.14	4.17	4.75
1.55	3.26	5.05	1.55	4.17	6.26
TOTAL RUNOFF (Q) = 51.27 (cfs)			TOTAL RUNOFF (Q) = 65.29 (cfs)		

P.O.I.#2 EXISTING RUNOFF

2 YR – 20 MIN. RUNOFF			15 YR – 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
10.3	1.15	11.85	10.3	1.87	19.26
3.60	1.61	5.80	3.60	2.64	9.50
1.30	1.61	2.09	1.30	2.64	3.43
TOTAL RUNOFF (Q) = 19.74 (cfs)			TOTAL RUNOFF (Q) = 32.19 (cfs)		

25 YR – 20 MIN. RUNOFF			100 YR – 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
10.3	2.31	23.79	10.3	2.95	29.59
3.60	3.26	11.74	3.60	4.17	15.01
1.30	3.26	4.24	1.30	4.17	5.42
TOTAL RUNOFF (Q) = 39.77 (cfs)			TOTAL RUNOFF (Q) = 50.02 (cfs)		

ISSUE	REMARKS/DATE
1	REV PER DUCKETT CREEK SAN. DISTRICT 9-20-05
2	REV PER CITY AND WATER DISTRICT COMMENTS 9-29-05
3	REV PER CITY COMMENTS 12-02-05

PREPARED FOR:
McBride & Son Homes Land Development, Inc.
#1 McBride & Son Center Drive
Chesterfield, MO. 63005
636 537-2000

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-sur.com

PROJECT: FOX HAVEN ADDITION

SHEET TITLE: EXISTING WATERSHED MAP

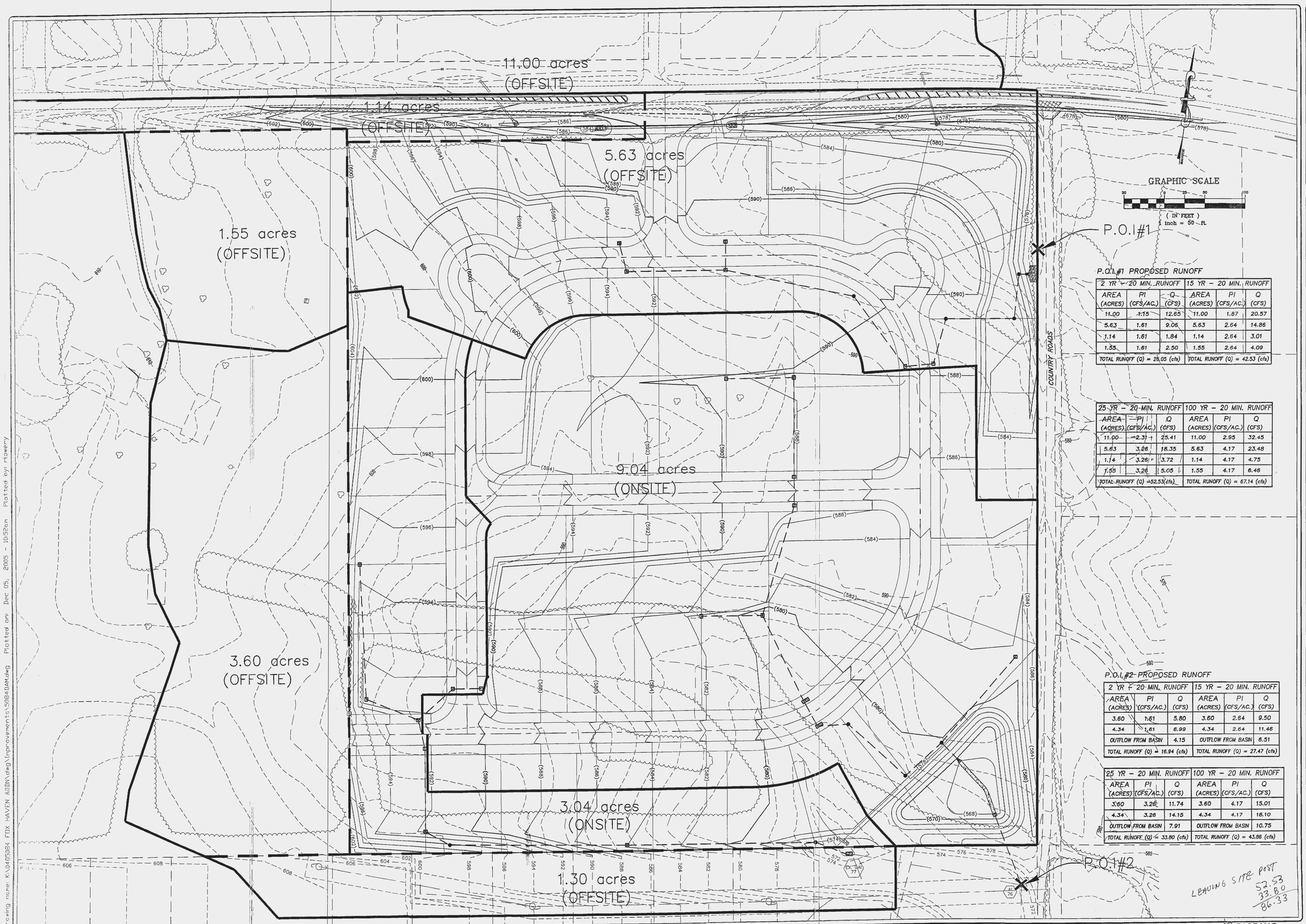
DRAWN:
DESIGNED:
CHECKED:

NO. 04 05 084

SHEET 1 OF 2

BASE MAP

Drawing name: K:\0405084 FOX HAVEN ADDN\dwg\Improvements\5084DAM.dwg Plotted on: Dec 03, 2005 - 12:29pm Plotted by rlowery



P.O.I.#1 PROPOSED RUNOFF

2 YR - 20 MIN. RUNOFF			15 YR - 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
11.00	1.15	12.65	11.00	1.87	20.57
5.63	1.61	9.06	5.63	2.64	14.86
1.14	1.61	1.84	1.14	2.64	3.01
1.55	1.61	2.50	1.55	2.64	4.09
TOTAL RUNOFF (Q) = 26.05 (cfs)			TOTAL RUNOFF (Q) = 42.53 (cfs)		

25 YR - 20 MIN. RUNOFF			100 YR - 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
11.00	2.31	25.41	11.00	2.95	32.45
5.63	3.26	18.35	5.63	4.17	23.48
1.14	3.26	3.72	1.14	4.17	4.75
1.55	3.26	5.05	1.55	4.17	6.46
TOTAL RUNOFF (Q) =52.53(cfs)			TOTAL RUNOFF (Q) = 67.14 (cfs)		

P.O.I.#2 PROPOSED RUNOFF

2 YR - 20 MIN. RUNOFF			15 YR - 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
3.60	1.61	5.80	3.60	2.64	9.50
4.34	1.61	6.99	4.34	2.64	11.46
OUTFLOW FROM BASIN		4.15	OUTFLOW FROM BASIN		6.51
TOTAL RUNOFF (Q) = 16.94 (cfs)			TOTAL RUNOFF (Q) = 27.47 (cfs)		

25 YR - 20 MIN. RUNOFF			100 YR - 20 MIN. RUNOFF		
AREA (ACRES)	PI (CFS/AC.)	Q (CFS)	AREA (ACRES)	PI (CFS/AC.)	Q (CFS)
3.60	3.26	11.74	3.60	4.17	15.01
4.34	3.26	14.15	4.34	4.17	18.10
OUTFLOW FROM BASIN		7.91	OUTFLOW FROM BASIN		10.75
TOTAL RUNOFF (Q) = 33.80 (cfs)			TOTAL RUNOFF (Q) = 43.86 (cfs)		

LEAVING SITE POST
52.53
33.80
86.33

LEAVING PRE = 51.27
39.77
91.04

BASE MAP

ISSUE	REMARKS/DATE
1	REV PER DUCKETT CREEK SANI. DISTRICT 9-20-05
2	REV PER CITY AND WATER DISTRICT COMMENTS 9-28-05
3	REV PER CITY COMMENTS 12-02-05

PREPARED FOR:
McBride & Son Homes Land Development, Inc.
#1 McBride & Son Center Drive
Chesterfield, MO. 63005
636 537-2000

STATE OF MISSOURI — RODNEY ARNOLD — NUMBER 2005 — PROFESSIONAL ENGINEER

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-sur.com

DRAWN: | DESIGNED: | CHECKED:

PROJECT: *FOX HAVEN ADDITION*

SHEET TITLE: PROPOSED WATERSHED MAP

NO. 04 05 084
M.S.D. P#
SHEET 2 OF 2
DIGITAL FILE LOCATION
(SERVER=STERLING-2 G:)\ENTER DIR\DWG_NAME.DWG

Drawing name: K:\04050B4 FOX HAVEN ADDN\dwg\Improvements\50841DAM.dwg Plotted on: Dec 05, 2005 - 10:52am Plotted by: rlowery