SR 15 (Narcoosee Road, Hoffner Road)
From Lee Vista Boulevard to Conway Road

DRAINAGE REPORT

Financial Project ID Nos: 239266-3-52-01 and 239266-4-52-01

February 23, 2012

Prepared for:

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

Florida Department of Transportation
District 5
719 South Woodland Boulevard
DeLand, FL 32720
386.943.5000

Prepared by:

HORIZON engineering group, inc.

Horizon Engineering Group, Inc.
2500 Maitland Center Parkway, Suite 300
Maitland, FL 32751
407.644.7755
Certificate of Authorization No. 00009544

4-110189-4
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APR 16 2012
MAITLAND

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For FPN 239266-3-52-01:

LISA MARIE HOECHST OLIVERA LICENSE No 56056 STATE OF FLORIDA PROFESSIONAL ENGINEER

Lisa M. H. Oliveira, P.E.
Florida Registration No. 56056

For FPN 239266-4-52-01:

PETER EARL MANZ LICENSE No 44430 STATE OF FLORIDA PROFESSIONAL ENGINEER

Peter E. Manz, P.E.
Florida Registration No. 44430

Material contained within Appendix H of this report is included solely for reference purposes and is not incorporated under the seal of this document.

0 50 200
Feet

OFFSITE SYSTEM 01-3: TO WETLAND BEHIND WOODSTONE SUBDIVISION

ONSITE SYSTEM S2: TO POND 2

TO WAL-MART PROPERTY

OFFSITE SYSTEM 02-1: TO DITCH ADJACENT TO OLD GOLDENROD ROAD

P.I. STA. 2433+55.41

BIPE LN.

P.I. STA. 2437+28.27

SR 15

P.I. STA. 2446+96.46

P.I. STA. 2453+14.00

P.I. STA. 2455+23.79

2490

2495

2490

2495

2500

P.I. STA. 2433+39.91

ELMSTONE CR.

OFFSITE SYSTEM 01-3: TO WETLAND BEHIND WOODSTONE SUBDIVISION

OFFSITE SYSTEM 02-1: TO DITCH ADJACENT TO OLD GOLDENROD ROAD

HARBOR BEND DR.

POND 2

P.I. STA. 2451+05.31

SPEARFISH AVE.

OLD GOLDENROD RD.

OFFSITE SYSTEM 02-1: TO DITCH ADJACENT TO OLD GOLDENROD ROAD

OFFSITE SYSTEM 02-2: TO OLD GOLDENROD ROAD STORM SEWER SYSTEM

RECEIVED

APR 16 2012

MAITLAND

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Certificate of Authorization No.: 00009544 Phone: 407.644.7755
LISA M. H. OLIVERA, P.E. NO 56056 Fax: 407.644.7855

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
15	ORANGE	239266-3-52-01

FIGURE 8B: PROPOSED DRAINAGE MAP FOR CONTRACT 239266-3

$USER$ $DATE$ $TIME$ $FILE$

Appendix B – Pond Calculations

Contract 239266-3

Basin 2
Pond Calculations

HORIZON engineering group, inc.

SHEET	1 OF 5
JOB NO.	105.03.07
DATE	9/1/2011
COMPUTED BY	SLG
CHECKED BY	LMHO

PROJECT SR 15 - From Lee Vista Blvd. to Conway Blvd.

SUBJECT Pond Calculations - Pond 2

The pond discharges to an offsite storm sewer system which outfalls into a ditch east of Old Goldenrod Road. This ditch drains to the East Orlando Outfall Canal which ultimately discharges into the Little Econlockhatchee River. All elevations reference NAVD, 88 unless otherwise noted.

Existing Land Uses (measured in CADD)

To Little Econlockhatchee River Basin

impervious - roadway	2.15 ac	CN = 98	
grass - good	1.87 ac	CN = 80	(type B/D soils)
woods - fair	2.50 ac	CN = 79	(type B/D soils)
	6.51 ac	CN = 86	

Tc = 36 min (See separate Tc calculations)

Proposed Land Uses (measured in CADD)

Onsite

impervious - roadway, sidewalk	3.29 ac	CN = 98	c = 0.95	
grass - good	0.61 ac	CN = 80	c = 0.20	(type B/D soils)
water - pond	1.60 ac	CN = 100	c = 1.00	
grass -good (pond)	0.90 ac	CN = 80	c = 0.20	(type B/D soils)
	6.40 ac	CN = 94	c = 0.79	

Tc = 18 min (From ASAD - See Printout)

Treatment Volume Required

Traditional wet detention criteria

Larger of one inch over the basin area or two and a half inches over the impervious area

1" * (1' / 12") * 6.40 ac = 0.53 ac-ft

2.5" * (1'/12") * 3.29 ac = 0.69 ac-ft

Treatment Volume = 0.69 ac-ft

HORIZON engineering group, inc.

SHEET	2 OF 5
JOB NO.	105.03.07
DATE	9/1/2011
COMPUTED BY	SLG
CHECKED BY	LMHO

PROJECT SR 15 - From Lee Vista Blvd. to Conway Blvd.
SUBJECT Pond Calculations - Pond 2

Permanent Pool Volume

Drainage Area, DA = 6.40 ac
Runoff Coefficient, c = 0.79
Length of wet season, WS = 153 days
Rainfall depth, R = 32.0 inches From Figure 29-1 SJRWMD Applicant's Handbook
There will not be a littoral zone. Therefore minimum residence time, RT = 21 days

Average Flow Rate, FR = [(DA)(c)(R)] / (WS)(12 in/1 ft) = 0.09 ac-ft/day

Permanent Pool Volume, PPV = (RT) (FR) = 21 days * 0.09 ac-ft/day

Required Permanent Pool Volume = 1.84 ac-ft

Pond Stage/Storage Relationship

Stage (ft)	Area (ft^2)	Area (ac)	Volume (ac-ft)	
81.00	27464	0.63	0.00	
82.00	31919	0.73	0.68	
89.45	69543	1.60	9.36	Permanent Pool Volume > Required Permanent Pool Volume
89.45	69543	1.60	0.00	
92.50	86606	1.99	5.47	
92.80	108867	2.50	6.14	

Treatment Volume = 0.69 ac-ft
Therefore, weir should be placed at elevation = 89.83 ft

Permanent pool volume = 9.36 ac-ft
Mean permanent pool depth = 5.86 ft Average depth is between allowable limits of 2 and 8 feet.

Pond Routing

From FDOT Drainage Manual, the 25 year 24 hour rainfall amount is 8.6 inches

From FDOT Drainage Manual, the 3 year 1 hour rainfall amount is 2.7 inches (IDF curve 3 yr/1 hr storm, i = 2.7 in/hr * 1 hr)

From SJRWMD, the Mean Annual rainfall amount is 4.5 inches

Pond 2 discharges into the O2-1 offsite storm sewer system. This storm sewer discharges to a ditch near Old Goldenrod Road. The tailwater elevation of the East Orlando Outfall Canal, at a point 2,086 ft downstream of the offsite storm sewer system discharge point, is 86.63 ft. Assuming a ditch slope of 0.0005 ft/ft along that distance, the water surface elevation at the storm sewer system discharge point would be 87.67 ft. This elevation was used as the starting tailwater on the offsite storm sewer system to determine the elevation of the hydraulic grade line at the point where the pond outfall ties into the offsite storm sewer system. This elevation, shown in the storm tabs for system O2-1 as 89.13 ft, was used as the tailwater for pond 2.

A 3.5 inch rectangular weir at elevation 89.45 was used in conjunction with an 11 inch rectangular weir at elevation 89.90

Summary of modeling results:

SJRWMD storms (with SCS type II Florida Modified rainfall distribution)
Pond routed with both weirs functioning and with starting elevation at the first stage weir elevation

	25-year/24-hour		Mean Annual	
	Pre	Post	Pre	Post
Q_{peak} (cfs)	19.57	4.10	8.71	1.07
Peak Stg. (ft)	---	91.00	---	90.25

FDOT storm to determine tailwater on storm sewer system (with FDOT rainfall distribution)
3 yr/ 1 hr storm selected as this storm will most closely simulate a storm which peaks near the time of concentration
Pond routed with both weirs functioning and with starting elevation at the second stage weir elevation

	3-year/1-hour
	Post
Q_{peak} into pond (cfs)	19.98
Time of Q_{peak} into pond (hr)	0.75
Stg. At Time of Q_{peak} into pond (ft)	90.15

Pond Routing (continued)

Summary of modeling results:

FDOT critical duration storms (with FDOT rainfall distributions)
Pond routed with both weirs functioning and with starting elevation at the first stage weir elevation

Storm Event		Pre-Discharge	Post-Discharge	Delta Q	Maximum Stage
2 yr	1 hr	8.04 cfs	0.46 cfs	7.58 cfs	90.01 ft
2 yr	2 hr	7.09 cfs	0.72 cfs	6.38 cfs	90.12 ft
2 yr	4 hr	6.16 cfs	1.00 cfs	5.16 cfs	90.22 ft
2 yr	8 hr	6.54 cfs	1.14 cfs	5.40 cfs	90.27 ft
2 yr	24 hr	2.37 cfs	1.09 cfs	1.29 cfs	90.25 ft
2 yr	72 hr	1.81 cfs	0.99 cfs	0.82 cfs	90.22 ft
5 yr	1 hr	11.12 cfs	0.82 cfs	10.30 cfs	90.16 ft
5 yr	2 hr	9.56 cfs	1.16 cfs	8.40 cfs	90.28 ft
5 yr	4 hr	8.46 cfs	1.67 cfs	6.79 cfs	90.43 ft
5 yr	8 hr	8.84 cfs	1.78 cfs	7.07 cfs	90.46 ft
5 yr	24 hr	3.35 cfs	1.65 cfs	1.71 cfs	90.42 ft
5 yr	72 hr	2.37 cfs	1.33 cfs	1.04 cfs	90.33 ft
10 yr	1 hr	12.85 cfs	1.05 cfs	11.79 cfs	90.24 ft
10 yr	2 hr	11.47 cfs	1.54 cfs	9.93 cfs	90.39 ft
10 yr	4 hr	9.70 cfs	2.06 cfs	7.64 cfs	90.53 ft
10 yr	8 hr	10.80 cfs	2.38 cfs	8.42 cfs	90.61 ft
10 yr	24 hr	4.14 cfs	2.15 cfs	1.99 cfs	90.56 ft
10 yr	72 hr	2.85 cfs	1.62 cfs	1.22 cfs	90.41 ft
25 yr	1 hr	15.78 cfs	1.48 cfs	14.30 cfs	90.37 ft
25 yr	2 hr	14.06 cfs	2.09 cfs	11.97 cfs	90.54 ft
25 yr	4 hr	11.92 cfs	2.81 cfs	9.12 cfs	90.72 ft
25 yr	8 hr	12.76 cfs	3.03 cfs	9.73 cfs	90.77 ft
25 yr	24 hr	4.86 cfs	2.62 cfs	2.24 cfs	90.67 ft
25 yr	72 hr	3.47 cfs	2.01 cfs	1.46 cfs	90.52 ft
50 yr	1 hr	17.87 cfs	1.81 cfs	16.06 cfs	90.47 ft
50 yr	2 hr	16.25 cfs	2.58 cfs	13.67 cfs	90.66 ft
50 yr	4 hr	13.60 cfs	3.40 cfs	10.20 cfs	90.85 ft
50 yr	8 hr	14.72 cfs	3.72 cfs	11.00 cfs	90.92 ft
50 yr	24 hr	5.51 cfs	3.04 cfs	2.46 cfs	90.77 ft
50 yr	72 hr	3.98 cfs	2.35 cfs	1.63 cfs	90.61 ft
100 yr	1 hr	20.28 cfs	2.21 cfs	18.07 cfs	90.57 ft
100 yr	2 hr	18.46 cfs	3.09 cfs	15.37 cfs	90.78 ft
100 yr	4 hr	15.27 cfs	4.01 cfs	11.26 cfs	90.98 ft
100 yr	8 hr	16.67 cfs	4.43 cfs	12.24 cfs	91.06 ft
100 yr	24 hr	6.28 cfs	3.56 cfs	2.73 cfs	90.88 ft
100 yr	72 hr	4.41 cfs	2.64 cfs	1.77 cfs	90.68 ft

Pond Drawdown

Drawdown such that pond discharges one-half of the treatment volume in 24-30 hours, but no more than half in 24 hours.

Treatment volume = 0.69 ac-ft
One-half the treatment volume = 0.34 ac-ft

Elevation of one-half of treatment volume = 89.64 ft
Elevation of top of treatment volume = 89.83 ft

From ICPR output from the Post-Developed 25 yr 24 hr storm event run:

Time pond is at 89.83 ft = 44.55 hrs
Time pond is at 89.64 ft = 72.93 hrs

Therefore, the total time to draw down 1/2 of the treatment volume is 28.38 hrs

---

Base Clearance Check

Because the pond is adjacent to the roadway, at least one foot of clearance must be provided between the bottom of the base and the water surface elevation anticipated for 24 hours.

Lowest profile elevation near pond, PGL = 92.71 ft at station 2444+00
Elevation at outside edge of pavement, EOP = PGL - 0.02 (26) = 92.19 ft

Largest base thickness within optional base group 9 = 12.0 in
Thickness of structural course = 1.5 in
Thickness of friction course = 1.5 in

Bottom of base = 92.19 ft - 12.0 in - 1.5 in - 1.5 in = 90.94 ft
24 hr water surface elevation = 89.94 ft (from attached time stage relationship)

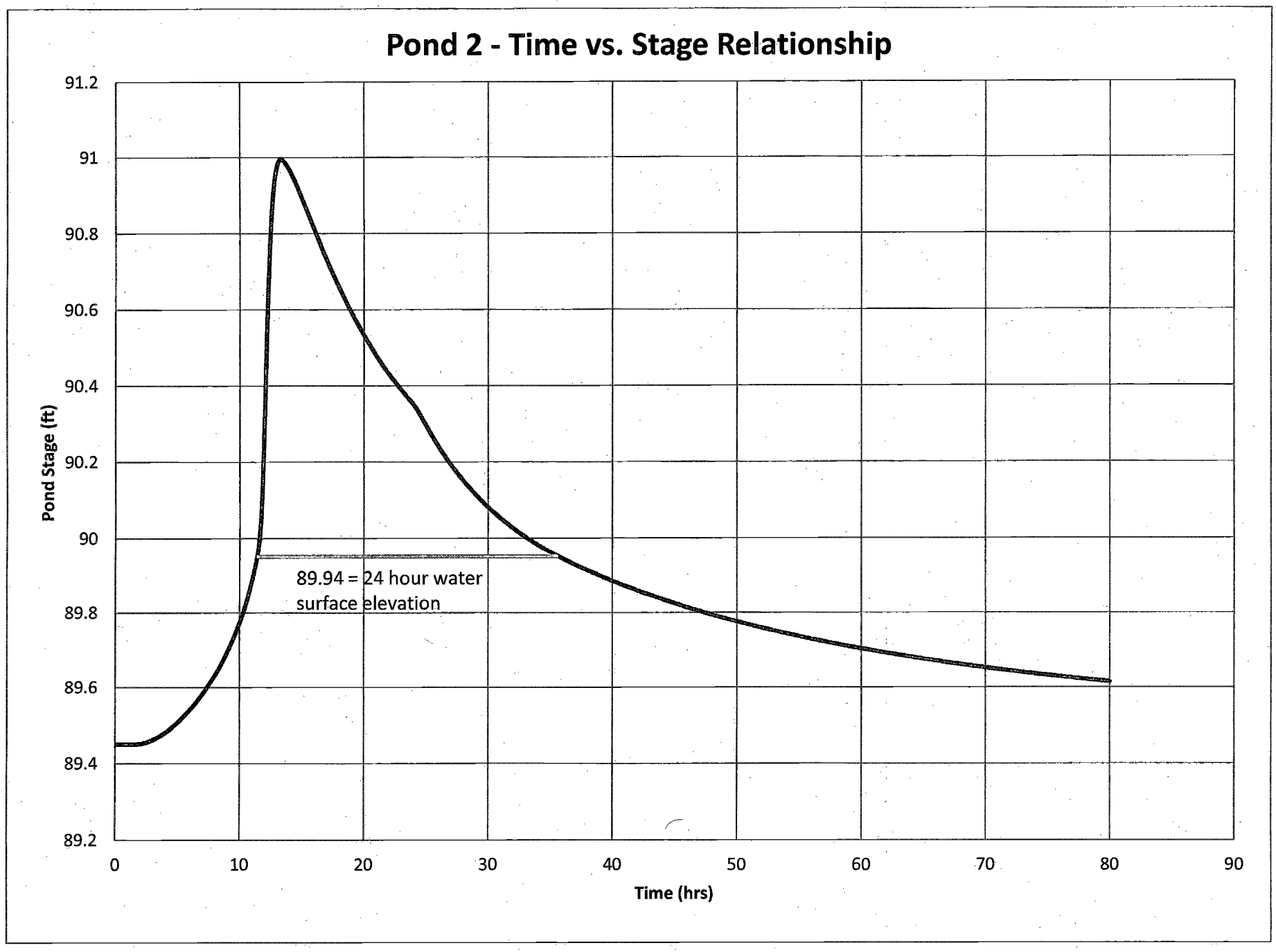
Twenty four hour water surface elevation is at least one foot below the bottom of the base, therefore adequate base clearance has been provided.

Skimmer Separation from Structure

Space skimmer a sufficient distance from the control structure to limit velocities to ≈ 1 fps during the design discharge

$$Q = v A = (1 \text{ fps}) L d$$

Discharge from pond, Q = 4.10 cfs
Velocity through opening, v = 1.00 fps
Structure length, L = 5.08 ft DBI D Bottom
Skimmer distance from structure, d = 0.81 ft


Pond 2 - Time vs. Stage Relationship
91.2
91
90.8
90.6
90.4
90.2
90
89.8
89.6
89.4
89.2
Pond Stage (ft)
89.94 = 24 hour water surface elevation
0
10
20
30
40
50
60
70
80
90
Time (hrs)

Basins

Name: XBASIN2 Node: XOUT2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.600 Time of Conc(min): 36.00
Area(ac): 6.510 Time Shift(hrs): 0.00
Curve Number: 86.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Hydrology Simulations

Name: X002Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.40

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X002Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 2.85

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X002Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 3.30

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X002Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 3.85

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X002Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X002Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X002Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 6.00

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X005Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.95

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X005Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.45

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X005Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.15

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X005Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X005Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.30

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X005Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.65

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X010Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.25

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X010Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.90

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X010Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.60

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X010Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.60

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X010Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.50

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X010Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 9.08

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X025Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X025Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X025Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X025Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X025Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X025Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X025Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 10.95

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X050Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.10

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X050Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X050Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.00

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X050Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.20

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X050Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X050Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 12.50

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X100Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
2.000	2.50

Name: X100Y002H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2

Rainfall Amount(in): 5.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: X100Y004H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.60

Time(hrs)	Print Inc(min)
6.000	2.50

Name: X100Y008H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
12.000	2.50

Name: X100Y024H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.80

Time(hrs)	Print Inc(min)
30.000	5.00

Name: X100Y072H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.80

Time(hrs)	Print Inc(min)
77.000	5.00

Name: X25Y24H-FL
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\X25Y24H-FL.R32

Override Defaults: No

Time(hrs)	Print Inc(min)
30.000	5.00

Name: XMNANN-FL
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\XMNANN-FL.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
30.000	5.00

SR 15 - From Lee Vista Blvd. to Conway Rd.
Pre Development - BASIN 2
Basin Max Report

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
X002Y001H	XBASIN2	BASE	0.96	8.041	1.16	27387.0
X002Y002H	XBASIN2	BASE	1.12	7.092	1.54	36283.0
X002Y004H	XBASIN2	BASE	2.72	6.162	1.92	45446.4
X002Y008H	XBASIN2	BASE	4.16	6.540	2.41	56995.9
X002Y024H	XBASIN2	BASE	12.16	2.372	3.28	77562.1
X002Y072H	XBASIN2	BASE	60.00	1.811	4.41	104244.3
X005Y001H	XBASIN2	BASE	0.96	11.118	1.62	38173.5
X005Y002H	XBASIN2	BASE	1.12	9.563	2.06	48562.9
X005Y004H	XBASIN2	BASE	2.72	8.457	2.68	63419.4
X005Y008H	XBASIN2	BASE	4.16	8.844	3.28	77562.1
X005Y024H	XBASIN2	BASE	12.16	3.354	4.70	110998.5
X005Y072H	XBASIN2	BASE	60.00	2.367	6.00	141671.2
X010Y001H	XBASIN2	BASE	0.96	12.847	1.87	44280.1
X010Y002H	XBASIN2	BASE	1.12	11.471	2.46	58061.1
X010Y004H	XBASIN2	BASE	2.64	9.699	3.10	73182.0
X010Y008H	XBASIN2	BASE	4.16	10.799	4.03	95285.3
X010Y024H	XBASIN2	BASE	12.08	4.140	5.85	138244.6
X010Y072H	XBASIN2	BASE	60.00	2.846	7.38	174514.4
X025Y001H	XBASIN2	BASE	0.96	15.783	2.32	54713.9
X025Y002H	XBASIN2	BASE	1.12	14.062	3.00	71000.7
X025Y004H	XBASIN2	BASE	2.64	11.922	3.84	90828.1
X025Y008H	XBASIN2	BASE	4.16	12.757	4.79	113255.6
X025Y024H	XBASIN2	BASE	12.08	4.858	6.92	163459.5
X025Y072H	XBASIN2	BASE	60.00	3.468	9.22	217802.6
X050Y001H	XBASIN2	BASE	0.96	17.870	2.63	62167.7
X050Y002H	XBASIN2	BASE	1.12	16.251	3.47	81964.7
X050Y004H	XBASIN2	BASE	2.64	13.595	4.41	104244.9
X050Y008H	XBASIN2	BASE	4.16	14.715	5.56	131403.3
X050Y024H	XBASIN2	BASE	12.08	5.507	7.89	186520.5
X050Y072H	XBASIN2	BASE	60.00	3.981	10.74	253872.5
X100Y001H	XBASIN2	BASE	0.96	20.279	3.00	70805.0
X100Y002H	XBASIN2	BASE	1.12	18.459	3.94	93054.7
X100Y004H	XBASIN2	BASE	2.64	15.270	4.98	117778.3
X100Y008H	XBASIN2	BASE	4.16	16.670	6.33	149682.7
X100Y024H	XBASIN2	BASE	12.08	6.283	9.07	214320.4
X100Y072H	XBASIN2	BASE	60.00	4.410	12.03	284215.5
X25Y24H-FL	XBASIN2	BASE	12.32	19.565	6.92	163459.5
XMNANN-FL	XBASIN2	BASE	12.32	8.707	3.00	71000.6

Basins

Name: BASIN2 Node: POND2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.600 Time of Conc(min): 18.00
Area(ac): 6.400 Time Shift(hrs): 0.00
Curve Number: 94.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Nodes

Name: OUT2 Base Flow(cfs): 0.000 Init Stage(ft): 89.130
Group: BASE Warn Stage(ft): 89.450
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	89.130
500.00	89.130

Name: POND2 Base Flow(cfs): 0.000 Init Stage(ft): 89.450
Group: BASE Warn Stage(ft): 91.500
Type: Stage/Area

Stage(ft)	Area(ac)
81.000	0.6300
82.000	0.7300
89.450	1.6000
92.500	1.9900
92.800	2.5000

Cross Sections

Name: WEIR Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	92.000	0.000000
0.000	89.900	0.000000
0.313	89.900	0.000000
0.313	89.450	0.000000
0.604	89.450	0.000000
0.604	89.900	0.000000
0.917	89.900	0.000000
0.917	92.000	0.000000

Drop Structures

Name: OC-2 From Node: POND2 Length(ft): 5.00
Group: BASE To Node: OUT2 Count: 1

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	86.500	86.400
Manning's N:	0.012000	0.012000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.500
Exit Loss Coef: 0.500
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure OC-2 ***

TABLE

Count:	1	Bottom Clip(ft):	0.000
Type:	Vertical: Mavis	Top Clip(ft):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Irregular	Orifice Disc Coef:	0.600
Cross Section:	WEIR	Control Elev(ft):	89.450
Invert(ft):	89.450	Struct Opening Dim(ft):	9999.00

==== Hydrology Simulations ====

Name: 002Y001H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\002Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.40

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 002Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 2.85

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 002Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 3.30

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 002Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 3.85

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 002Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 002Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 6.00

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 005Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.95

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 005Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.45

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 005Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.15

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 005Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 005Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.30

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 005Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.65

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 010Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.25

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.90

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 010Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.60

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 010Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.60

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 010Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.50

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 9.08

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 025Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 025Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 025Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 025Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 025Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 10.95

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 050Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.10

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 050Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.00

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 050Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.20

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 050Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 050Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 12.50

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 100Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 100Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.60

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 100Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 100Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.80

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.80

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 25Y24H-FL
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\25Y24H-FL.R32

Override Defaults: No

Time(hrs)	Print Inc(min)
70.000	5.00

Name: 3Y1H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\3Y1H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 2.70

Time(hrs)	Print Inc(min)
2.000	5.00

Name: MNANN-FL
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\MNANN-FL.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 4.30

Time(hrs)	Print Inc(min)
30.000	5.00

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==== Routing Simulations ==========

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Name: 002Y001H Hydrology Sim: 002Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y002H Hydrology Sim: 002Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y004H Hydrology Sim: 002Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y008H Hydrology Sim: 002Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y024H Hydrology Sim: 002Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y024H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run

BASE	Yes

Name: 002Y072H Hydrology Sim: 002Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\002Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y001H Hydrology Sim: 005Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y002H Hydrology Sim: 005Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y004H Hydrology Sim: 005Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y008H Hydrology Sim: 005Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y024H Hydrology Sim: 005Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y024H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y072H Hydrology Sim: 005Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\005Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y001H Hydrology Sim: 010Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00

Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y002H Hydrology Sim: 010Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y004H Hydrology Sim: 010Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y008H Hydrology Sim: 010Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y024H Hydrology Sim: 010Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y024H.I32

Execute: No Restart: No Patch: No

Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y072H Hydrology Sim: 010Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\010Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y001H Hydrology Sim: 025Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y002H Hydrology Sim: 025Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y004H Hydrology Sim: 025Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y008H Hydrology Sim: 025Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y024H Hydrology Sim: 025Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y024H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y072H Hydrology Sim: 025Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\025Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y001H Hydrology Sim: 050Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y002H Hydrology Sim: 050Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y004H Hydrology Sim: 050Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y008H Hydrology Sim: 050Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y024H Hydrology Sim: 050Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y024H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y072H Hydrology Sim: 050Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\050Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y001H Hydrology Sim: 100Y001H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y001H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y002H Hydrology Sim: 100Y002H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y002H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000

Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y004H Hydrology Sim: 100Y004H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y004H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y008H Hydrology Sim: 100Y008H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y008H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y024H Hydrology Sim: 100Y024H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y024H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y072H Hydrology Sim: 100Y072H
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\100Y072H.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 25Y24H-FL Hydrology Sim: 25Y24H-FL
Filename: X:\1050307SR15\SR15\drainage\DrngCalcs\ICPR\Basin2\25Y24H-FL.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 80.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 70.0000
Boundary Stages: Boundary Flows:

025 yr / 024 hr - FL MOD

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 3Y1H Hydrology Sim: 3Y1H
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\3Y1H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

003 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: MNANN-F Hydrology Sim: MNANN-FL
Filename: X:\1050307SR15\SR15\DRAINAGE\DRNGCALCS\ICPR\BASIN2\MNANN-FL.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 30.0000
Boundary Stages: Boundary Flows:

Mean Annual - FL MOD

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

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Post Development - BASIN 2
Node Max Report

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
POND2	BASE	002Y001H	1.86	90.006	91.500	0.0050	72794	0.71	17.372	1.86	0.457
POND2	BASE	002Y002H	2.47	90.119	91.500	0.0050	73422	0.91	14.545	2.47	0.717
POND2	BASE	002Y004H	4.13	90.221	91.500	0.0049	73992	2.12	9.080	4.13	0.998
POND2	BASE	002Y008H	7.15	90.268	91.500	0.0049	74252	4.01	9.544	7.15	1.139
POND2	BASE	002Y024H	19.26	90.251	91.500	0.0021	74158	12.00	2.927	19.26	1.087
POND2	BASE	002Y072H	64.13	90.217	91.500	0.0012	73970	59.91	1.892	64.13	0.987
POND2	BASE	005Y001H	1.81	90.158	91.500	0.0050	73641	0.71	22.416	1.81	0.820
POND2	BASE	005Y002H	2.39	90.276	91.500	0.0050	74295	0.92	18.287	2.39	1.163
POND2	BASE	005Y004H	3.98	90.427	91.500	0.0050	75137	2.12	11.819	3.98	1.669
POND2	BASE	005Y008H	6.19	90.456	91.500	0.0050	75301	4.01	12.140	6.19	1.776
POND2	BASE	005Y024H	16.76	90.421	91.500	0.0025	75105	12.00	3.912	16.76	1.649
POND2	BASE	005Y072H	64.08	90.328	91.500	0.0014	74585	59.91	2.425	64.08	1.330
POND2	BASE	010Y001H	1.78	90.240	91.500	0.0050	74094	0.71	25.175	1.78	1.053
POND2	BASE	010Y002H	2.34	90.390	91.500	0.0050	74933	0.92	21.092	2.34	1.541
POND2	BASE	010Y004H	3.91	90.532	91.500	0.0050	75724	2.12	13.264	3.91	2.061
POND2	BASE	010Y008H	5.87	90.613	91.500	0.0050	76173	4.00	14.316	5.87	2.379
POND2	BASE	010Y024H	16.30	90.556	91.500	0.0028	75855	12.00	4.696	16.30	2.152
POND2	BASE	010Y072H	64.03	90.413	91.500	0.0017	75063	59.91	2.885	64.03	1.622
POND2	BASE	025Y001H	1.75	90.373	91.500	0.0050	74839	0.71	29.786	1.75	1.482
POND2	BASE	025Y002H	2.30	90.540	91.500	0.0050	75765	0.91	24.829	2.30	2.089
POND2	BASE	025Y004H	3.83	90.715	91.500	0.0050	76741	2.08	15.829	3.83	2.805
POND2	BASE	025Y008H	5.66	90.766	91.500	0.0050	77029	4.00	16.477	5.66	3.030
POND2	BASE	025Y024H	16.18	90.671	91.500	0.0030	76496	12.00	5.411	16.18	2.618
POND2	BASE	025Y072H	61.15	90.519	91.500	0.0020	75653	59.91	3.487	61.15	2.011
POND2	BASE	050Y001H	1.72	90.466	91.500	0.0050	75353	0.71	33.020	1.72	1.810
POND2	BASE	050Y002H	2.27	90.661	91.500	0.0050	76443	0.88	27.962	2.27	2.578
POND2	BASE	050Y004H	3.79	90.848	91.500	0.0050	77483	2.09	17.748	3.79	3.397
POND2	BASE	050Y008H	5.56	90.917	91.500	0.0050	77865	4.00	18.632	5.56	3.716
POND2	BASE	050Y024H	16.10	90.769	91.500	0.0032	77045	12.00	6.059	16.10	3.043
POND2	BASE	050Y072H	60.95	90.606	91.500	0.0023	76134	59.91	3.984	60.95	2.351
POND2	BASE	100Y001H	1.71	90.570	91.500	0.0050	75933	0.71	36.701	1.71	2.206
POND2	BASE	100Y002H	2.24	90.781	91.500	0.0050	77108	0.88	31.096	2.24	3.093
POND2	BASE	100Y004H	3.75	90.978	91.500	0.0050	78208	2.08	19.663	3.75	4.012
POND2	BASE	100Y008H	5.48	91.063	91.500	0.0050	78681	4.00	20.788	5.48	4.431
POND2	BASE	100Y024H	15.70	90.882	91.500	0.0035	77673	12.00	6.836	15.70	3.555
POND2	BASE	100Y072H	60.86	90.676	91.500	0.0025	76524	59.91	4.401	60.86	2.639
POND2	BASE	25Y24H-FL	13.33	90.995	91.500	0.0050	78303	12.08	28.966	13.33	4.095
POND2	BASE	3Y1H	1.61	90.456	91.500	0.0050	75302	0.75	20.044	1.61	1.776
POND2	BASE	MNANN-F	14.54	90.245	91.500	0.0049	74124	12.08	13.812	14.54	1.068

SR 15 - From Lee Vista Blvd. to Conway Rd.
Post Development - BASIN 2
Node Time Series Report

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	0.00	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.09	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.17	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.26	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.35	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.43	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.50	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.60	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.68	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.75	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.85	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	0.93	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.01	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.09	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.18	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.26	89.450	91.500	69696	0.000	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.34	89.450	91.500	69696	0.001	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.44	89.450	91.500	69696	0.007	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.51	89.450	91.500	69696	0.015	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.59	89.450	91.500	69697	0.025	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.67	89.450	91.500	69697	0.037	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.77	89.450	91.500	69699	0.053	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.84	89.451	91.500	69700	0.067	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	1.92	89.451	91.500	69702	0.081	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.02	89.451	91.500	69704	0.098	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.10	89.452	91.500	69707	0.113	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.17	89.452	91.500	69709	0.129	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.25	89.453	91.500	69712	0.146	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.35	89.454	91.500	69717	0.165	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.43	89.454	91.500	69721	0.181	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.50	89.455	91.500	69725	0.196	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.60	89.456	91.500	69730	0.213	0.000	0.0	0.0
25Y24H-FL	POND2	BASE	2.68	89.457	91.500	69735	0.227	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	2.76	89.458	91.500	69741	0.240	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	2.84	89.459	91.500	69746	0.253	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	2.93	89.460	91.500	69753	0.268	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	3.01	89.461	91.500	69759	0.280	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	3.09	89.463	91.500	69766	0.293	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	3.19	89.464	91.500	69774	0.312	0.001	0.0	0.0
25Y24H-FL	POND2	BASE	3.26	89.465	91.500	69781	0.329	0.002	0.0	0.0
25Y24H-FL	POND2	BASE	3.34	89.467	91.500	69789	0.344	0.002	0.0	0.0
25Y24H-FL	POND2	BASE	3.42	89.468	91.500	69797	0.357	0.002	0.0	0.0
25Y24H-FL	POND2	BASE	3.52	89.470	91.500	69807	0.373	0.003	0.0	0.0
25Y24H-FL	POND2	BASE	3.59	89.471	91.500	69815	0.385	0.003	0.0	0.0
25Y24H-FL	POND2	BASE	3.67	89.473	91.500	69824	0.396	0.003	0.0	0.0
25Y24H-FL	POND2	BASE	3.77	89.475	91.500	69835	0.410	0.004	0.0	0.0
25Y24H-FL	POND2	BASE	3.85	89.477	91.500	69844	0.420	0.004	0.0	0.0
25Y24H-FL	POND2	BASE	3.92	89.478	91.500	69854	0.429	0.004	0.0	0.0
25Y24H-FL	POND2	BASE	4.00	89.480	91.500	69863	0.439	0.005	0.0	0.0
25Y24H-FL	POND2	BASE	4.10	89.482	91.500	69875	0.455	0.005	0.1	0.0
25Y24H-FL	POND2	BASE	4.18	89.484	91.500	69886	0.473	0.006	0.1	0.0
25Y24H-FL	POND2	BASE	4.25	89.486	91.500	69896	0.493	0.006	0.1	0.0
25Y24H-FL	POND2	BASE	4.35	89.488	91.500	69910	0.514	0.007	0.1	0.0
25Y24H-FL	POND2	BASE	4.43	89.491	91.500	69922	0.528	0.008	0.1	0.0
25Y24H-FL	POND2	BASE	4.51	89.493	91.500	69933	0.541	0.008	0.1	0.0
25Y24H-FL	POND2	BASE	4.59	89.495	91.500	69945	0.553	0.009	0.1	0.0
25Y24H-FL	POND2	BASE	4.68	89.498	91.500	69961	0.566	0.010	0.1	0.0
25Y24H-FL	POND2	BASE	4.76	89.500	91.500	69973	0.576	0.010	0.1	0.0
25Y24H-FL	POND2	BASE	4.84	89.502	91.500	69986	0.585	0.011	0.1	0.0
25Y24H-FL	POND2	BASE	4.94	89.505	91.500	70002	0.596	0.012	0.1	0.0
25Y24H-FL	POND2	BASE	5.01	89.507	91.500	70015	0.604	0.013	0.1	0.0
25Y24H-FL	POND2	BASE	5.09	89.510	91.500	70028	0.614	0.013	0.1	0.0
25Y24H-FL	POND2	BASE	5.17	89.512	91.500	70042	0.628	0.014	0.1	0.0
25Y24H-FL	POND2	BASE	5.27	89.515	91.500	70059	0.645	0.015	0.1	0.0
25Y24H-FL	POND2	BASE	5.34	89.518	91.500	70073	0.657	0.016	0.1	0.0
25Y24H-FL	POND2	BASE	5.42	89.520	91.500	70088	0.668	0.017	0.1	0.0
25Y24H-FL	POND2	BASE	5.52	89.524	91.500	70106	0.679	0.019	0.1	0.0
25Y24H-FL	POND2	BASE	5.60	89.526	91.500	70121	0.687	0.020	0.1	0.0
25Y24H-FL	POND2	BASE	5.67	89.529	91.500	70136	0.695	0.021	0.1	0.0
25Y24H-FL	POND2	BASE	5.75	89.532	91.500	70151	0.702	0.022	0.1	0.0
25Y24H-FL	POND2	BASE	5.85	89.535	91.500	70170	0.711	0.023	0.1	0.0
25Y24H-FL	POND2	BASE	5.93	89.538	91.500	70185	0.717	0.024	0.1	0.0
25Y24H-FL	POND2	BASE	6.00	89.541	91.500	70201	0.724	0.025	0.1	0.0
25Y24H-FL	POND2	BASE	6.10	89.544	91.500	70220	0.741	0.027	0.2	0.0
25Y24H-FL	POND2	BASE	6.18	89.547	91.500	70236	0.767	0.028	0.2	0.0
25Y24H-FL	POND2	BASE	6.26	89.550	91.500	70253	0.796	0.029	0.2	0.0
25Y24H-FL	POND2	BASE	6.34	89.553	91.500	70270	0.819	0.031	0.2	0.0
25Y24H-FL	POND2	BASE	6.43	89.557	91.500	70292	0.841	0.033	0.2	0.0
25Y24H-FL	POND2	BASE	6.51	89.560	91.500	70311	0.855	0.034	0.2	0.0
25Y24H-FL	POND2	BASE	6.59	89.564	91.500	70329	0.868	0.036	0.2	0.0
25Y24H-FL	POND2	BASE	6.69	89.568	91.500	70352	0.881	0.038	0.2	0.0
25Y24H-FL	POND2	BASE	6.76	89.571	91.500	70371	0.890	0.039	0.2	0.0
25Y24H-FL	POND2	BASE	6.84	89.575	91.500	70390	0.899	0.041	0.2	0.0
25Y24H-FL	POND2	BASE	6.92	89.578	91.500	70409	0.907	0.043	0.2	0.0
25Y24H-FL	POND2	BASE	7.02	89.582	91.500	70433	0.916	0.045	0.2	0.0
25Y24H-FL	POND2	BASE	7.09	89.586	91.500	70452	0.931	0.047	0.2	0.0
25Y24H-FL	POND2	BASE	7.17	89.589	91.500	70472	0.959	0.048	0.2	0.0
25Y24H-FL	POND2	BASE	7.27	89.594	91.500	70498	0.996	0.051	0.2	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	7.35	89.598	91.500	70519	1.020	0.053	0.2	0.0
25Y24H-FL	POND2	BASE	7.42	89.602	91.500	70541	1.039	0.055	0.3	0.0
25Y24H-FL	POND2	BASE	7.50	89.606	91.500	70562	1.053	0.057	0.3	0.0
25Y24H-FL	POND2	BASE	7.60	89.611	91.500	70590	1.069	0.060	0.3	0.0
25Y24H-FL	POND2	BASE	7.68	89.615	91.500	70613	1.079	0.062	0.3	0.0
25Y24H-FL	POND2	BASE	7.75	89.619	91.500	70635	1.089	0.064	0.3	0.0
25Y24H-FL	POND2	BASE	7.85	89.624	91.500	70663	1.099	0.067	0.3	0.0
25Y24H-FL	POND2	BASE	7.93	89.628	91.500	70686	1.106	0.070	0.3	0.0
25Y24H-FL	POND2	BASE	8.01	89.632	91.500	70709	1.114	0.072	0.3	0.0
25Y24H-FL	POND2	BASE	8.09	89.636	91.500	70732	1.129	0.075	0.3	0.0
25Y24H-FL	POND2	BASE	8.18	89.641	91.500	70762	1.174	0.078	0.3	0.0
25Y24H-FL	POND2	BASE	8.26	89.646	91.500	70786	1.213	0.081	0.3	0.0
25Y24H-FL	POND2	BASE	8.34	89.650	91.500	70812	1.244	0.084	0.3	0.0
25Y24H-FL	POND2	BASE	8.44	89.656	91.500	70844	1.272	0.087	0.3	0.0
25Y24H-FL	POND2	BASE	8.51	89.661	91.500	70870	1.292	0.090	0.4	0.0
25Y24H-FL	POND2	BASE	8.59	89.666	91.500	70897	1.318	0.093	0.4	0.0
25Y24H-FL	POND2	BASE	8.67	89.671	91.500	70924	1.361	0.097	0.4	0.0
25Y24H-FL	POND2	BASE	8.77	89.677	91.500	70960	1.417	0.101	0.4	0.0
25Y24H-FL	POND2	BASE	8.84	89.682	91.500	70989	1.454	0.104	0.4	0.0
25Y24H-FL	POND2	BASE	8.92	89.688	91.500	71019	1.481	0.108	0.4	0.0
25Y24H-FL	POND2	BASE	9.02	89.694	91.500	71057	1.509	0.113	0.4	0.0
25Y24H-FL	POND2	BASE	9.10	89.700	91.500	71088	1.533	0.117	0.4	0.0
25Y24H-FL	POND2	BASE	9.17	89.706	91.500	71119	1.563	0.120	0.4	0.0
25Y24H-FL	POND2	BASE	9.25	89.711	91.500	71151	1.594	0.125	0.4	0.0
25Y24H-FL	POND2	BASE	9.35	89.719	91.500	71192	1.623	0.130	0.5	0.0
25Y24H-FL	POND2	BASE	9.43	89.724	91.500	71225	1.642	0.134	0.5	0.0
25Y24H-FL	POND2	BASE	9.50	89.730	91.500	71258	1.658	0.139	0.5	0.0
25Y24H-FL	POND2	BASE	9.60	89.738	91.500	71300	1.699	0.144	0.5	0.0
25Y24H-FL	POND2	BASE	9.68	89.744	91.500	71334	1.757	0.149	0.5	0.0
25Y24H-FL	POND2	BASE	9.76	89.751	91.500	71370	1.820	0.154	0.5	0.0
25Y24H-FL	POND2	BASE	9.84	89.757	91.500	71407	1.871	0.159	0.5	0.0
25Y24H-FL	POND2	BASE	9.93	89.766	91.500	71454	1.915	0.166	0.5	0.0
25Y24H-FL	POND2	BASE	10.01	89.773	91.500	71493	1.946	0.171	0.6	0.0
25Y24H-FL	POND2	BASE	10.09	89.780	91.500	71532	1.995	0.177	0.6	0.0
25Y24H-FL	POND2	BASE	10.19	89.789	91.500	71583	2.122	0.184	0.6	0.0
25Y24H-FL	POND2	BASE	10.26	89.797	91.500	71626	2.229	0.191	0.6	0.0
25Y24H-FL	POND2	BASE	10.34	89.805	91.500	71672	2.313	0.197	0.6	0.0
25Y24H-FL	POND2	BASE	10.42	89.813	91.500	71718	2.376	0.204	0.6	0.0
25Y24H-FL	POND2	BASE	10.52	89.824	91.500	71778	2.442	0.213	0.6	0.0
25Y24H-FL	POND2	BASE	10.59	89.833	91.500	71827	2.525	0.221	0.7	0.0
25Y24H-FL	POND2	BASE	10.67	89.842	91.500	71879	2.667	0.229	0.7	0.0
25Y24H-FL	POND2	BASE	10.77	89.854	91.500	71947	2.857	0.240	0.7	0.0
25Y24H-FL	POND2	BASE	10.85	89.865	91.500	72005	2.976	0.249	0.7	0.0
25Y24H-FL	POND2	BASE	10.92	89.875	91.500	72065	3.064	0.259	0.7	0.0
25Y24H-FL	POND2	BASE	11.00	89.886	91.500	72127	3.132	0.269	0.8	0.0
25Y24H-FL	POND2	BASE	11.10	89.900	91.500	72205	3.213	0.283	0.8	0.0
25Y24H-FL	POND2	BASE	11.18	89.912	91.500	72269	3.289	0.296	0.8	0.1
25Y24H-FL	POND2	BASE	11.25	89.924	91.500	72334	3.378	0.312	0.8	0.1
25Y24H-FL	POND2	BASE	11.35	89.939	91.500	72420	3.738	0.335	0.9	0.1
25Y24H-FL	POND2	BASE	11.43	89.953	91.500	72500	4.325	0.358	0.9	0.1
25Y24H-FL	POND2	BASE	11.51	89.970	91.500	72592	5.095	0.387	0.9	0.1
25Y24H-FL	POND2	BASE	11.59	89.992	91.500	72714	6.624	0.428	0.9	0.1
25Y24H-FL	POND2	BASE	11.67	90.024	91.500	72891	9.794	0.493	1.0	0.1
25Y24H-FL	POND2	BASE	11.76	90.069	91.500	73146	13.498	0.595	1.1	0.1
25Y24H-FL	POND2	BASE	11.84	90.127	91.500	73467	17.076	0.737	1.2	0.1
25Y24H-FL	POND2	BASE	11.92	90.203	91.500	73890	21.845	0.945	1.3	0.1
25Y24H-FL	POND2	BASE	12.00	90.295	91.500	74400	26.507	1.222	1.5	0.1
25Y24H-FL	POND2	BASE	12.08	90.399	91.500	74983	28.966	1.572	1.7	0.1
25Y24H-FL	POND2	BASE	12.17	90.507	91.500	75582	27.546	1.963	1.9	0.1
25Y24H-FL	POND2	BASE	12.25	90.603	91.500	76119	24.675	2.340	2.1	0.1
25Y24H-FL	POND2	BASE	12.33	90.684	91.500	76567	22.145	2.672	2.2	0.1
25Y24H-FL	POND2	BASE	12.42	90.755	91.500	76963	19.238	2.978	2.4	0.2
25Y24H-FL	POND2	BASE	12.50	90.811	91.500	77276	16.551	3.228	2.5	0.2
25Y24H-FL	POND2	BASE	12.59	90.858	91.500	77541	14.250	3.444	2.6	0.2
25Y24H-FL	POND2	BASE	12.67	90.897	91.500	77754	12.163	3.622	2.7	0.2
25Y24H-FL	POND2	BASE	12.76	90.927	91.500	77921	10.354	3.764	2.8	0.3
25Y24H-FL	POND2	BASE	12.84	90.948	91.500	78041	8.978	3.867	2.8	0.3
25Y24H-FL	POND2	BASE	12.93	90.966	91.500	78142	7.664	3.955	2.9	0.3
25Y24H-FL	POND2	BASE	13.01	90.978	91.500	78209	6.655	4.013	2.9	0.3
25Y24H-FL	POND2	BASE	13.10	90.987	91.500	78259	5.761	4.056	3.0	0.4
25Y24H-FL	POND2	BASE	13.18	90.992	91.500	78286	5.071	4.080	3.0	0.4
25Y24H-FL	POND2	BASE	13.25	90.995	91.500	78300	4.485	4.092	3.0	0.4
25Y24H-FL	POND2	BASE	13.35	90.995	91.500	78303	3.965	4.094	3.1	0.5
25Y24H-FL	POND2	BASE	13.43	90.994	91.500	78297	3.686	4.090	3.1	0.5
25Y24H-FL	POND2	BASE	13.51	90.992	91.500	78287	3.498	4.081	3.1	0.5
25Y24H-FL	POND2	BASE	13.58	90.990	91.500	78274	3.327	4.069	3.1	0.5
25Y24H-FL	POND2	BASE	13.68	90.986	91.500	78253	3.089	4.051	3.2	0.6
25Y24H-FL	POND2	BASE	13.76	90.982	91.500	78232	2.915	4.033	3.2	0.6
25Y24H-FL	POND2	BASE	13.84	90.978	91.500	78208	2.782	4.012	3.2	0.6
25Y24H-FL	POND2	BASE	13.93	90.973	91.500	78177	2.672	3.984	3.2	0.6
25Y24H-FL	POND2	BASE	14.01	90.968	91.500	78150	2.608	3.961	3.3	0.7
25Y24H-FL	POND2	BASE	14.09	90.963	91.500	78123	2.542	3.937	3.3	0.7
25Y24H-FL	POND2	BASE	14.17	90.958	91.500	78094	2.453	3.913	3.3	0.7
25Y24H-FL	POND2	BASE	14.27	90.951	91.500	78057	2.347	3.880	3.3	0.8
25Y24H-FL	POND2	BASE	14.34	90.945	91.500	78026	2.282	3.854	3.3	0.8
25Y24H-FL	POND2	BASE	14.42	90.940	91.500	77994	2.235	3.826	3.3	0.8
25Y24H-FL	POND2	BASE	14.52	90.933	91.500	77954	2.189	3.792	3.3	0.8
25Y24H-FL	POND2	BASE	14.60	90.927	91.500	77922	2.142	3.765	3.4	0.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	14.67	90.921	91.500	77889	2.071	3.737	3.4	0.9
25Y24H-FL	POND2	BASE	14.75	90.915	91.500	77855	1.995	3.708	3.4	0.9
25Y24H-FL	POND2	BASE	14.85	90.907	91.500	77811	1.925	3.671	3.4	0.9
25Y24H-FL	POND2	BASE	14.93	90.901	91.500	77776	1.886	3.641	3.4	1.0
25Y24H-FL	POND2	BASE	15.00	90.894	91.500	77741	1.857	3.612	3.4	1.0
25Y24H-FL	POND2	BASE	15.10	90.886	91.500	77697	1.821	3.575	3.4	1.0
25Y24H-FL	POND2	BASE	15.18	90.880	91.500	77662	1.786	3.545	3.5	1.0
25Y24H-FL	POND2	BASE	15.26	90.874	91.500	77626	1.753	3.515	3.5	1.1
25Y24H-FL	POND2	BASE	15.33	90.867	91.500	77591	1.728	3.486	3.5	1.1
25Y24H-FL	POND2	BASE	15.43	90.860	91.500	77547	1.706	3.449	3.5	1.1
25Y24H-FL	POND2	BASE	15.51	90.853	91.500	77512	1.691	3.420	3.5	1.1
25Y24H-FL	POND2	BASE	15.59	90.847	91.500	77477	1.669	3.392	3.5	1.2
25Y24H-FL	POND2	BASE	15.68	90.839	91.500	77434	1.616	3.356	3.5	1.2
25Y24H-FL	POND2	BASE	15.76	90.833	91.500	77398	1.571	3.327	3.5	1.2
25Y24H-FL	POND2	BASE	15.84	90.826	91.500	77363	1.536	3.298	3.5	1.2
25Y24H-FL	POND2	BASE	15.92	90.820	91.500	77327	1.511	3.269	3.6	1.2
25Y24H-FL	POND2	BASE	16.02	90.812	91.500	77283	1.489	3.233	3.6	1.3
25Y24H-FL	POND2	BASE	16.09	90.806	91.500	77248	1.469	3.205	3.6	1.3
25Y24H-FL	POND2	BASE	16.17	90.800	91.500	77213	1.441	3.177	3.6	1.3
25Y24H-FL	POND2	BASE	16.27	90.792	91.500	77169	1.407	3.141	3.6	1.3
25Y24H-FL	POND2	BASE	16.35	90.785	91.500	77134	1.386	3.113	3.6	1.4
25Y24H-FL	POND2	BASE	16.42	90.779	91.500	77099	1.371	3.085	3.6	1.4
25Y24H-FL	POND2	BASE	16.50	90.773	91.500	77064	1.359	3.058	3.6	1.4
25Y24H-FL	POND2	BASE	16.60	90.765	91.500	77022	1.339	3.024	3.6	1.4
25Y24H-FL	POND2	BASE	16.68	90.759	91.500	76988	1.316	2.997	3.6	1.4
25Y24H-FL	POND2	BASE	16.75	90.753	91.500	76953	1.290	2.970	3.7	1.5
25Y24H-FL	POND2	BASE	16.85	90.745	91.500	76911	1.267	2.937	3.7	1.5
25Y24H-FL	POND2	BASE	16.93	90.739	91.500	76877	1.254	2.910	3.7	1.5
25Y24H-FL	POND2	BASE	17.01	90.733	91.500	76844	1.245	2.884	3.7	1.5
25Y24H-FL	POND2	BASE	17.08	90.727	91.500	76811	1.237	2.859	3.7	1.5
25Y24H-FL	POND2	BASE	17.18	90.720	91.500	76770	1.230	2.827	3.7	1.6
25Y24H-FL	POND2	BASE	17.26	90.714	91.500	76737	1.226	2.802	3.7	1.6
25Y24H-FL	POND2	BASE	17.34	90.708	91.500	76706	1.222	2.777	3.7	1.6
25Y24H-FL	POND2	BASE	17.43	90.701	91.500	76666	1.219	2.747	3.7	1.6
25Y24H-FL	POND2	BASE	17.51	90.696	91.500	76635	1.215	2.724	3.7	1.6
25Y24H-FL	POND2	BASE	17.59	90.690	91.500	76605	1.201	2.700	3.7	1.7
25Y24H-FL	POND2	BASE	17.67	90.685	91.500	76574	1.167	2.677	3.7	1.7
25Y24H-FL	POND2	BASE	17.77	90.678	91.500	76535	1.117	2.648	3.8	1.7
25Y24H-FL	POND2	BASE	17.84	90.672	91.500	76504	1.086	2.624	3.8	1.7
25Y24H-FL	POND2	BASE	17.92	90.667	91.500	76473	1.064	2.601	3.8	1.7
25Y24H-FL	POND2	BASE	18.02	90.660	91.500	76434	1.046	2.571	3.8	1.7
25Y24H-FL	POND2	BASE	18.10	90.654	91.500	76403	1.042	2.548	3.8	1.8
25Y24H-FL	POND2	BASE	18.17	90.649	91.500	76372	1.050	2.525	3.8	1.8
25Y24H-FL	POND2	BASE	18.25	90.643	91.500	76342	1.063	2.503	3.8	1.8
25Y24H-FL	POND2	BASE	18.35	90.637	91.500	76306	1.075	2.477	3.8	1.8
25Y24H-FL	POND2	BASE	18.43	90.632	91.500	76278	1.081	2.456	3.8	1.8
25Y24H-FL	POND2	BASE	18.50	90.627	91.500	76250	1.084	2.435	3.8	1.8
25Y24H-FL	POND2	BASE	18.60	90.620	91.500	76215	1.069	2.410	3.8	1.9
25Y24H-FL	POND2	BASE	18.68	90.615	91.500	76188	1.037	2.390	3.8	1.9
25Y24H-FL	POND2	BASE	18.76	90.610	91.500	76160	0.999	2.369	3.8	1.9
25Y24H-FL	POND2	BASE	18.83	90.605	91.500	76132	0.970	2.349	3.9	1.9
25Y24H-FL	POND2	BASE	18.93	90.599	91.500	76096	0.946	2.323	3.9	1.9
25Y24H-FL	POND2	BASE	19.01	90.594	91.500	76068	0.933	2.303	3.9	1.9
25Y24H-FL	POND2	BASE	19.09	90.589	91.500	76040	0.928	2.283	3.9	2.0
25Y24H-FL	POND2	BASE	19.18	90.583	91.500	76006	0.940	2.259	3.9	2.0
25Y24H-FL	POND2	BASE	19.26	90.578	91.500	75979	0.953	2.239	3.9	2.0
25Y24H-FL	POND2	BASE	19.34	90.573	91.500	75953	0.963	2.221	3.9	2.0
25Y24H-FL	POND2	BASE	19.42	90.569	91.500	75927	0.970	2.203	3.9	2.0
25Y24H-FL	POND2	BASE	19.52	90.563	91.500	75896	0.974	2.181	3.9	2.0
25Y24H-FL	POND2	BASE	19.59	90.559	91.500	75871	0.971	2.163	3.9	2.1
25Y24H-FL	POND2	BASE	19.67	90.554	91.500	75847	0.956	2.146	3.9	2.1
25Y24H-FL	POND2	BASE	19.77	90.549	91.500	75816	0.935	2.125	3.9	2.1
25Y24H-FL	POND2	BASE	19.85	90.544	91.500	75792	0.922	2.107	3.9	2.1
25Y24H-FL	POND2	BASE	19.92	90.540	91.500	75767	0.913	2.090	3.9	2.1
25Y24H-FL	POND2	BASE	20.00	90.536	91.500	75743	0.907	2.074	3.9	2.1
25Y24H-FL	POND2	BASE	20.10	90.530	91.500	75713	0.892	2.053	3.9	2.1
25Y24H-FL	POND2	BASE	20.18	90.526	91.500	75689	0.871	2.036	4.0	2.2
25Y24H-FL	POND2	BASE	20.25	90.522	91.500	75665	0.847	2.020	4.0	2.2
25Y24H-FL	POND2	BASE	20.35	90.516	91.500	75635	0.826	1.999	4.0	2.2
25Y24H-FL	POND2	BASE	20.43	90.512	91.500	75611	0.813	1.983	4.0	2.2
25Y24H-FL	POND2	BASE	20.51	90.508	91.500	75587	0.804	1.966	4.0	2.2
25Y24H-FL	POND2	BASE	20.58	90.503	91.500	75563	0.796	1.950	4.0	2.2
25Y24H-FL	POND2	BASE	20.68	90.498	91.500	75533	0.789	1.930	4.0	2.2
25Y24H-FL	POND2	BASE	20.76	90.494	91.500	75510	0.785	1.914	4.0	2.3
25Y24H-FL	POND2	BASE	20.84	90.490	91.500	75486	0.782	1.898	4.0	2.3
25Y24H-FL	POND2	BASE	20.93	90.484	91.500	75458	0.779	1.879	4.0	2.3
25Y24H-FL	POND2	BASE	21.01	90.480	91.500	75435	0.777	1.864	4.0	2.3
25Y24H-FL	POND2	BASE	21.09	90.476	91.500	75413	0.776	1.849	4.0	2.3
25Y24H-FL	POND2	BASE	21.17	90.472	91.500	75391	0.775	1.835	4.0	2.3
25Y24H-FL	POND2	BASE	21.27	90.468	91.500	75363	0.774	1.817	4.0	2.3
25Y24H-FL	POND2	BASE	21.34	90.464	91.500	75342	0.773	1.802	4.0	2.3
25Y24H-FL	POND2	BASE	21.42	90.460	91.500	75321	0.773	1.788	4.0	2.4
25Y24H-FL	POND2	BASE	21.52	90.455	91.500	75295	0.773	1.771	4.0	2.4
25Y24H-FL	POND2	BASE	21.60	90.451	91.500	75274	0.773	1.758	4.0	2.4
25Y24H-FL	POND2	BASE	21.67	90.448	91.500	75254	0.773	1.745	4.1	2.4
25Y24H-FL	POND2	BASE	21.75	90.444	91.500	75234	0.773	1.732	4.1	2.4
25Y24H-FL	POND2	BASE	21.85	90.440	91.500	75209	0.773	1.716	4.1	2.4
25Y24H-FL	POND2	BASE	21.93	90.436	91.500	75190	0.773	1.703	4.1	2.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	22.00	90.433	91.500	75171	0.773	1.691	4.1	2.4
25Y24H-FL	POND2	BASE	22.10	90.429	91.500	75147	0.773	1.676	4.1	2.5
25Y24H-FL	POND2	BASE	22.18	90.425	91.500	75128	0.773	1.664	4.1	2.5
25Y24H-FL	POND2	BASE	22.26	90.422	91.500	75110	0.773	1.652	4.1	2.5
25Y24H-FL	POND2	BASE	22.33	90.419	91.500	75092	0.773	1.640	4.1	2.5
25Y24H-FL	POND2	BASE	22.43	90.415	91.500	75070	0.773	1.626	4.1	2.5
25Y24H-FL	POND2	BASE	22.51	90.412	91.500	75052	0.772	1.615	4.1	2.5
25Y24H-FL	POND2	BASE	22.59	90.408	91.500	75034	0.766	1.604	4.1	2.5
25Y24H-FL	POND2	BASE	22.68	90.405	91.500	75013	0.745	1.590	4.1	2.5
25Y24H-FL	POND2	BASE	22.76	90.401	91.500	74995	0.725	1.579	4.1	2.5
25Y24H-FL	POND2	BASE	22.84	90.398	91.500	74977	0.710	1.568	4.1	2.5
25Y24H-FL	POND2	BASE	22.92	90.395	91.500	74959	0.699	1.557	4.1	2.6
25Y24H-FL	POND2	BASE	23.02	90.391	91.500	74937	0.690	1.543	4.1	2.6
25Y24H-FL	POND2	BASE	23.09	90.388	91.500	74919	0.684	1.532	4.1	2.6
25Y24H-FL	POND2	BASE	23.17	90.385	91.500	74902	0.679	1.521	4.1	2.6
25Y24H-FL	POND2	BASE	23.27	90.381	91.500	74880	0.674	1.507	4.2	2.6
25Y24H-FL	POND2	BASE	23.35	90.378	91.500	74863	0.671	1.497	4.2	2.6
25Y24H-FL	POND2	BASE	23.42	90.374	91.500	74845	0.668	1.486	4.2	2.6
25Y24H-FL	POND2	BASE	23.50	90.371	91.500	74828	0.666	1.476	4.2	2.6
25Y24H-FL	POND2	BASE	23.60	90.368	91.500	74807	0.655	1.463	4.2	2.6
25Y24H-FL	POND2	BASE	23.68	90.365	91.500	74790	0.637	1.453	4.2	2.7
25Y24H-FL	POND2	BASE	23.75	90.362	91.500	74773	0.616	1.442	4.2	2.7
25Y24H-FL	POND2	BASE	23.85	90.358	91.500	74752	0.598	1.429	4.2	2.7
25Y24H-FL	POND2	BASE	23.93	90.355	91.500	74734	0.587	1.418	4.2	2.7
25Y24H-FL	POND2	BASE	24.01	90.351	91.500	74717	0.577	1.408	4.2	2.7
25Y24H-FL	POND2	BASE	24.08	90.348	91.500	74699	0.544	1.397	4.2	2.7
25Y24H-FL	POND2	BASE	24.18	90.344	91.500	74676	0.426	1.383	4.2	2.7
25Y24H-FL	POND2	BASE	24.26	90.340	91.500	74655	0.322	1.371	4.2	2.7
25Y24H-FL	POND2	BASE	24.34	90.336	91.500	74632	0.243	1.357	4.2	2.7
25Y24H-FL	POND2	BASE	24.43	90.331	91.500	74602	0.175	1.340	4.2	2.7
25Y24H-FL	POND2	BASE	24.51	90.326	91.500	74578	0.135	1.325	4.2	2.8
25Y24H-FL	POND2	BASE	24.59	90.322	91.500	74553	0.104	1.310	4.2	2.8
25Y24H-FL	POND2	BASE	24.67	90.317	91.500	74527	0.079	1.296	4.2	2.8
25Y24H-FL	POND2	BASE	24.77	90.312	91.500	74495	0.056	1.277	4.2	2.8
25Y24H-FL	POND2	BASE	24.84	90.307	91.500	74470	0.041	1.262	4.2	2.8
25Y24H-FL	POND2	BASE	24.92	90.302	91.500	74444	0.029	1.247	4.2	2.8
25Y24H-FL	POND2	BASE	25.02	90.297	91.500	74412	0.019	1.229	4.2	2.8
25Y24H-FL	POND2	BASE	25.10	90.292	91.500	74387	0.012	1.215	4.2	2.8
25Y24H-FL	POND2	BASE	25.17	90.288	91.500	74362	0.007	1.200	4.2	2.8
25Y24H-FL	POND2	BASE	25.25	90.283	91.500	74337	0.004	1.186	4.2	2.8
25Y24H-FL	POND2	BASE	25.35	90.278	91.500	74306	0.001	1.169	4.2	2.8
25Y24H-FL	POND2	BASE	25.43	90.273	91.500	74282	0.000	1.155	4.2	2.8
25Y24H-FL	POND2	BASE	25.50	90.269	91.500	74257	0.000	1.142	4.2	2.9
25Y24H-FL	POND2	BASE	25.60	90.264	91.500	74228	0.000	1.125	4.2	2.9
25Y24H-FL	POND2	BASE	25.68	90.259	91.500	74204	0.000	1.112	4.2	2.9
25Y24H-FL	POND2	BASE	25.76	90.255	91.500	74181	0.000	1.100	4.2	2.9
25Y24H-FL	POND2	BASE	25.83	90.251	91.500	74158	0.000	1.087	4.2	2.9
25Y24H-FL	POND2	BASE	25.93	90.246	91.500	74129	0.000	1.072	4.2	2.9
25Y24H-FL	POND2	BASE	26.01	90.242	91.500	74107	0.000	1.059	4.2	2.9
25Y24H-FL	POND2	BASE	26.09	90.238	91.500	74085	0.000	1.048	4.2	2.9
25Y24H-FL	POND2	BASE	26.18	90.233	91.500	74057	0.000	1.033	4.2	2.9
25Y24H-FL	POND2	BASE	26.26	90.229	91.500	74036	0.000	1.021	4.2	2.9
25Y24H-FL	POND2	BASE	26.34	90.225	91.500	74014	0.000	1.010	4.2	2.9
25Y24H-FL	POND2	BASE	26.42	90.221	91.500	73993	0.000	0.999	4.2	2.9
25Y24H-FL	POND2	BASE	26.52	90.217	91.500	73967	0.000	0.985	4.2	2.9
25Y24H-FL	POND2	BASE	26.59	90.213	91.500	73946	0.000	0.974	4.2	2.9
25Y24H-FL	POND2	BASE	26.67	90.209	91.500	73926	0.000	0.964	4.2	3.0
25Y24H-FL	POND2	BASE	26.77	90.205	91.500	73901	0.000	0.950	4.2	3.0
25Y24H-FL	POND2	BASE	26.85	90.201	91.500	73881	0.000	0.940	4.2	3.0
25Y24H-FL	POND2	BASE	26.92	90.198	91.500	73861	0.000	0.930	4.2	3.0
25Y24H-FL	POND2	BASE	27.00	90.194	91.500	73841	0.000	0.920	4.2	3.0
25Y24H-FL	POND2	BASE	27.10	90.190	91.500	73817	0.000	0.908	4.2	3.0
25Y24H-FL	POND2	BASE	27.18	90.186	91.500	73798	0.000	0.898	4.2	3.0
25Y24H-FL	POND2	BASE	27.25	90.183	91.500	73779	0.000	0.889	4.2	3.0
25Y24H-FL	POND2	BASE	27.35	90.179	91.500	73756	0.000	0.877	4.2	3.0
25Y24H-FL	POND2	BASE	27.43	90.176	91.500	73737	0.000	0.868	4.2	3.0
25Y24H-FL	POND2	BASE	27.51	90.172	91.500	73719	0.000	0.859	4.2	3.0
25Y24H-FL	POND2	BASE	27.58	90.169	91.500	73701	0.000	0.850	4.2	3.0
25Y24H-FL	POND2	BASE	27.68	90.165	91.500	73679	0.000	0.839	4.2	3.0
25Y24H-FL	POND2	BASE	27.76	90.162	91.500	73661	0.000	0.830	4.2	3.0
25Y24H-FL	POND2	BASE	27.84	90.159	91.500	73644	0.000	0.821	4.2	3.0
25Y24H-FL	POND2	BASE	27.93	90.155	91.500	73622	0.000	0.811	4.2	3.0
25Y24H-FL	POND2	BASE	28.01	90.152	91.500	73605	0.000	0.803	4.2	3.0
25Y24H-FL	POND2	BASE	28.09	90.149	91.500	73588	0.000	0.794	4.2	3.1
25Y24H-FL	POND2	BASE	28.17	90.146	91.500	73571	0.000	0.786	4.2	3.1
25Y24H-FL	POND2	BASE	28.27	90.142	91.500	73550	0.000	0.777	4.2	3.1
25Y24H-FL	POND2	BASE	28.34	90.139	91.500	73534	0.000	0.769	4.2	3.1
25Y24H-FL	POND2	BASE	28.42	90.136	91.500	73518	0.000	0.761	4.2	3.1
25Y24H-FL	POND2	BASE	28.52	90.133	91.500	73498	0.000	0.752	4.2	3.1
25Y24H-FL	POND2	BASE	28.60	90.130	91.500	73482	0.000	0.744	4.2	3.1
25Y24H-FL	POND2	BASE	28.67	90.127	91.500	73466	0.000	0.737	4.2	3.1
25Y24H-FL	POND2	BASE	28.75	90.124	91.500	73451	0.000	0.730	4.2	3.1
25Y24H-FL	POND2	BASE	28.85	90.121	91.500	73431	0.000	0.721	4.2	3.1
25Y24H-FL	POND2	BASE	28.93	90.118	91.500	73416	0.000	0.714	4.2	3.1
25Y24H-FL	POND2	BASE	29.00	90.115	91.500	73401	0.000	0.707	4.2	3.1
25Y24H-FL	POND2	BASE	29.10	90.112	91.500	73382	0.000	0.699	4.2	3.1
25Y24H-FL	POND2	BASE	29.18	90.109	91.500	73367	0.000	0.692	4.2	3.1
25Y24H-FL	POND2	BASE	29.26	90.107	91.500	73353	0.000	0.685	4.2	3.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	29.33	90.104	91.500	73338	0.000	0.679	4.2	3.1
25Y24H-FL	POND2	BASE	29.43	90.101	91.500	73320	0.000	0.671	4.2	3.1
25Y24H-FL	POND2	BASE	29.51	90.098	91.500	73306	0.000	0.664	4.2	3.1
25Y24H-FL	POND2	BASE	29.59	90.096	91.500	73292	0.000	0.658	4.2	3.1
25Y24H-FL	POND2	BASE	29.68	90.092	91.500	73275	0.000	0.651	4.2	3.1
25Y24H-FL	POND2	BASE	29.76	90.090	91.500	73261	0.000	0.644	4.2	3.2
25Y24H-FL	POND2	BASE	29.84	90.088	91.500	73247	0.000	0.639	4.2	3.2
25Y24H-FL	POND2	BASE	29.92	90.085	91.500	73234	0.000	0.633	4.2	3.2
25Y24H-FL	POND2	BASE	30.02	90.082	91.500	73217	0.000	0.625	4.2	3.2
25Y24H-FL	POND2	BASE	30.09	90.080	91.500	73204	0.000	0.620	4.2	3.2
25Y24H-FL	POND2	BASE	30.17	90.077	91.500	73191	0.000	0.614	4.2	3.2
25Y24H-FL	POND2	BASE	30.27	90.074	91.500	73174	0.000	0.607	4.2	3.2
25Y24H-FL	POND2	BASE	30.35	90.072	91.500	73161	0.000	0.602	4.2	3.2
25Y24H-FL	POND2	BASE	30.42	90.070	91.500	73149	0.000	0.596	4.2	3.2
25Y24H-FL	POND2	BASE	30.50	90.068	91.500	73136	0.000	0.591	4.2	3.2
25Y24H-FL	POND2	BASE	30.60	90.065	91.500	73120	0.000	0.584	4.2	3.2
25Y24H-FL	POND2	BASE	30.68	90.063	91.500	73108	0.000	0.579	4.2	3.2
25Y24H-FL	POND2	BASE	30.75	90.060	91.500	73095	0.000	0.574	4.2	3.2
25Y24H-FL	POND2	BASE	30.85	90.058	91.500	73080	0.000	0.568	4.2	3.2
25Y24H-FL	POND2	BASE	30.93	90.055	91.500	73068	0.000	0.563	4.2	3.2
25Y24H-FL	POND2	BASE	31.01	90.053	91.500	73056	0.000	0.558	4.2	3.2
25Y24H-FL	POND2	BASE	31.08	90.051	91.500	73044	0.000	0.553	4.2	3.2
25Y24H-FL	POND2	BASE	31.18	90.049	91.500	73030	0.000	0.547	4.2	3.2
25Y24H-FL	POND2	BASE	31.26	90.046	91.500	73018	0.000	0.543	4.2	3.2
25Y24H-FL	POND2	BASE	31.34	90.044	91.500	73006	0.000	0.538	4.2	3.2
25Y24H-FL	POND2	BASE	31.43	90.042	91.500	72992	0.000	0.532	4.2	3.2
25Y24H-FL	POND2	BASE	31.51	90.040	91.500	72981	0.000	0.528	4.2	3.2
25Y24H-FL	POND2	BASE	31.59	90.038	91.500	72970	0.000	0.523	4.2	3.2
25Y24H-FL	POND2	BASE	31.67	90.036	91.500	72958	0.000	0.519	4.2	3.2
25Y24H-FL	POND2	BASE	31.77	90.033	91.500	72945	0.000	0.514	4.2	3.2
25Y24H-FL	POND2	BASE	31.84	90.031	91.500	72934	0.000	0.509	4.2	3.3
25Y24H-FL	POND2	BASE	31.92	90.029	91.500	72923	0.000	0.505	4.2	3.3
25Y24H-FL	POND2	BASE	32.02	90.027	91.500	72909	0.000	0.500	4.2	3.3
25Y24H-FL	POND2	BASE	32.10	90.025	91.500	72899	0.000	0.496	4.2	3.3
25Y24H-FL	POND2	BASE	32.17	90.023	91.500	72888	0.000	0.492	4.2	3.3
25Y24H-FL	POND2	BASE	32.25	90.021	91.500	72878	0.000	0.488	4.2	3.3
25Y24H-FL	POND2	BASE	32.35	90.019	91.500	72865	0.000	0.483	4.2	3.3
25Y24H-FL	POND2	BASE	32.43	90.017	91.500	72854	0.000	0.479	4.2	3.3
25Y24H-FL	POND2	BASE	32.50	90.015	91.500	72844	0.000	0.475	4.2	3.3
25Y24H-FL	POND2	BASE	32.60	90.013	91.500	72831	0.000	0.471	4.2	3.3
25Y24H-FL	POND2	BASE	32.68	90.011	91.500	72821	0.000	0.467	4.2	3.3
25Y24H-FL	POND2	BASE	32.76	90.009	91.500	72811	0.000	0.463	4.2	3.3
25Y24H-FL	POND2	BASE	32.83	90.008	91.500	72802	0.000	0.460	4.2	3.3
25Y24H-FL	POND2	BASE	32.93	90.005	91.500	72789	0.000	0.455	4.2	3.3
25Y24H-FL	POND2	BASE	33.01	90.004	91.500	72780	0.000	0.452	4.2	3.3
25Y24H-FL	POND2	BASE	33.09	90.002	91.500	72770	0.000	0.448	4.2	3.3
25Y24H-FL	POND2	BASE	33.18	90.000	91.500	72758	0.000	0.444	4.2	3.3
25Y24H-FL	POND2	BASE	33.26	89.998	91.500	72748	0.000	0.441	4.2	3.3
25Y24H-FL	POND2	BASE	33.34	89.996	91.500	72739	0.000	0.437	4.2	3.3
25Y24H-FL	POND2	BASE	33.42	89.995	91.500	72730	0.000	0.434	4.2	3.3
25Y24H-FL	POND2	BASE	33.52	89.993	91.500	72718	0.000	0.430	4.2	3.3
25Y24H-FL	POND2	BASE	33.59	89.991	91.500	72709	0.000	0.427	4.2	3.3
25Y24H-FL	POND2	BASE	33.67	89.989	91.500	72700	0.000	0.424	4.2	3.3
25Y24H-FL	POND2	BASE	33.77	89.987	91.500	72689	0.000	0.420	4.2	3.3
25Y24H-FL	POND2	BASE	33.85	89.986	91.500	72680	0.000	0.417	4.2	3.3
25Y24H-FL	POND2	BASE	33.92	89.984	91.500	72671	0.000	0.413	4.2	3.3
25Y24H-FL	POND2	BASE	34.00	89.982	91.500	72662	0.000	0.410	4.2	3.3
25Y24H-FL	POND2	BASE	34.10	89.980	91.500	72651	0.000	0.407	4.2	3.3
25Y24H-FL	POND2	BASE	34.18	89.979	91.500	72642	0.000	0.404	4.2	3.3
25Y24H-FL	POND2	BASE	34.25	89.977	91.500	72633	0.000	0.401	4.2	3.3
25Y24H-FL	POND2	BASE	34.35	89.975	91.500	72623	0.000	0.397	4.2	3.3
25Y24H-FL	POND2	BASE	34.43	89.974	91.500	72614	0.000	0.395	4.2	3.3
25Y24H-FL	POND2	BASE	34.51	89.972	91.500	72606	0.000	0.392	4.2	3.4
25Y24H-FL	POND2	BASE	34.58	89.971	91.500	72597	0.000	0.389	4.2	3.4
25Y24H-FL	POND2	BASE	34.68	89.969	91.500	72587	0.000	0.386	4.2	3.4
25Y24H-FL	POND2	BASE	34.76	89.968	91.500	72579	0.000	0.383	4.2	3.4
25Y24H-FL	POND2	BASE	34.84	89.966	91.500	72571	0.000	0.380	4.2	3.4
25Y24H-FL	POND2	BASE	34.93	89.964	91.500	72560	0.000	0.377	4.2	3.4
25Y24H-FL	POND2	BASE	35.01	89.963	91.500	72552	0.000	0.375	4.2	3.4
25Y24H-FL	POND2	BASE	35.09	89.961	91.500	72544	0.000	0.372	4.2	3.4
25Y24H-FL	POND2	BASE	35.17	89.960	91.500	72536	0.000	0.370	4.2	3.4
25Y24H-FL	POND2	BASE	35.27	89.958	91.500	72526	0.000	0.367	4.2	3.4
25Y24H-FL	POND2	BASE	35.34	89.957	91.500	72518	0.000	0.364	4.2	3.4
25Y24H-FL	POND2	BASE	35.42	89.955	91.500	72511	0.000	0.362	4.2	3.4
25Y24H-FL	POND2	BASE	35.52	89.954	91.500	72501	0.000	0.359	4.2	3.4
25Y24H-FL	POND2	BASE	35.60	89.952	91.500	72493	0.000	0.356	4.2	3.4
25Y24H-FL	POND2	BASE	35.67	89.951	91.500	72486	0.000	0.354	4.2	3.4
25Y24H-FL	POND2	BASE	35.75	89.949	91.500	72478	0.000	0.352	4.2	3.4
25Y24H-FL	POND2	BASE	35.85	89.948	91.500	72469	0.000	0.349	4.2	3.4
25Y24H-FL	POND2	BASE	35.93	89.946	91.500	72461	0.000	0.347	4.2	3.4
25Y24H-FL	POND2	BASE	36.00	89.945	91.500	72454	0.000	0.345	4.2	3.4
25Y24H-FL	POND2	BASE	36.10	89.943	91.500	72444	0.000	0.342	4.2	3.4
25Y24H-FL	POND2	BASE	36.18	89.942	91.500	72437	0.000	0.340	4.2	3.4
25Y24H-FL	POND2	BASE	36.26	89.941	91.500	72430	0.000	0.338	4.2	3.4
25Y24H-FL	POND2	BASE	36.33	89.940	91.500	72423	0.000	0.336	4.2	3.4
25Y24H-FL	POND2	BASE	36.43	89.938	91.500	72414	0.000	0.333	4.2	3.4
25Y24H-FL	POND2	BASE	36.51	89.937	91.500	72406	0.000	0.331	4.2	3.4
25Y24H-FL	POND2	BASE	36.59	89.935	91.500	72399	0.000	0.329	4.2	3.4

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	36.68	89.934	91.500	72390	0.000	0.327	4.2	3.4
25Y24H-FL	POND2	BASE	36.76	89.932	91.500	72383	0.000	0.325	4.2	3.4
25Y24H-FL	POND2	BASE	36.84	89.931	91.500	72376	0.000	0.323	4.2	3.4
25Y24H-FL	POND2	BASE	36.92	89.930	91.500	72369	0.000	0.321	4.2	3.4
25Y24H-FL	POND2	BASE	37.02	89.928	91.500	72361	0.000	0.319	4.2	3.4
25Y24H-FL	POND2	BASE	37.09	89.927	91.500	72354	0.000	0.317	4.2	3.4
25Y24H-FL	POND2	BASE	37.17	89.926	91.500	72347	0.000	0.315	4.2	3.4
25Y24H-FL	POND2	BASE	37.27	89.924	91.500	72339	0.000	0.313	4.2	3.4
25Y24H-FL	POND2	BASE	37.35	89.923	91.500	72332	0.000	0.311	4.2	3.4
25Y24H-FL	POND2	BASE	37.42	89.922	91.500	72325	0.000	0.310	4.2	3.4
25Y24H-FL	POND2	BASE	37.50	89.921	91.500	72319	0.000	0.308	4.2	3.4
25Y24H-FL	POND2	BASE	37.60	89.919	91.500	72310	0.000	0.306	4.2	3.4
25Y24H-FL	POND2	BASE	37.68	89.918	91.500	72304	0.000	0.304	4.2	3.4
25Y24H-FL	POND2	BASE	37.75	89.917	91.500	72297	0.000	0.303	4.2	3.4
25Y24H-FL	POND2	BASE	37.85	89.916	91.500	72289	0.000	0.301	4.2	3.4
25Y24H-FL	POND2	BASE	37.93	89.914	91.500	72283	0.000	0.299	4.2	3.4
25Y24H-FL	POND2	BASE	38.01	89.913	91.500	72276	0.000	0.298	4.2	3.4
25Y24H-FL	POND2	BASE	38.08	89.912	91.500	72270	0.000	0.296	4.2	3.5
25Y24H-FL	POND2	BASE	38.18	89.911	91.500	72262	0.000	0.294	4.2	3.5
25Y24H-FL	POND2	BASE	38.26	89.910	91.500	72255	0.000	0.293	4.2	3.5
25Y24H-FL	POND2	BASE	38.34	89.908	91.500	72249	0.000	0.292	4.2	3.5
25Y24H-FL	POND2	BASE	38.43	89.907	91.500	72241	0.000	0.290	4.2	3.5
25Y24H-FL	POND2	BASE	38.51	89.906	91.500	72235	0.000	0.289	4.2	3.5
25Y24H-FL	POND2	BASE	38.59	89.905	91.500	72229	0.000	0.287	4.2	3.5
25Y24H-FL	POND2	BASE	38.67	89.904	91.500	72223	0.000	0.286	4.2	3.5
25Y24H-FL	POND2	BASE	38.77	89.902	91.500	72215	0.000	0.284	4.2	3.5
25Y24H-FL	POND2	BASE	38.84	89.901	91.500	72209	0.000	0.283	4.2	3.5
25Y24H-FL	POND2	BASE	38.92	89.900	91.500	72203	0.000	0.282	4.2	3.5
25Y24H-FL	POND2	BASE	39.02	89.899	91.500	72195	0.000	0.281	4.2	3.5
25Y24H-FL	POND2	BASE	39.10	89.898	91.500	72189	0.000	0.280	4.2	3.5
25Y24H-FL	POND2	BASE	39.17	89.897	91.500	72183	0.000	0.279	4.2	3.5
25Y24H-FL	POND2	BASE	39.25	89.895	91.500	72177	0.000	0.278	4.2	3.5
25Y24H-FL	POND2	BASE	39.35	89.894	91.500	72169	0.000	0.277	4.2	3.5
25Y24H-FL	POND2	BASE	39.43	89.893	91.500	72164	0.000	0.276	4.2	3.5
25Y24H-FL	POND2	BASE	39.50	89.892	91.500	72158	0.000	0.275	4.2	3.5
25Y24H-FL	POND2	BASE	39.60	89.891	91.500	72150	0.000	0.273	4.2	3.5
25Y24H-FL	POND2	BASE	39.68	89.890	91.500	72144	0.000	0.272	4.2	3.5
25Y24H-FL	POND2	BASE	39.76	89.888	91.500	72138	0.000	0.271	4.2	3.5
25Y24H-FL	POND2	BASE	39.83	89.887	91.500	72133	0.000	0.270	4.2	3.5
25Y24H-FL	POND2	BASE	39.93	89.886	91.500	72125	0.000	0.269	4.2	3.5
25Y24H-FL	POND2	BASE	40.01	89.885	91.500	72119	0.000	0.268	4.2	3.5
25Y24H-FL	POND2	BASE	40.09	89.884	91.500	72114	0.000	0.267	4.2	3.5
25Y24H-FL	POND2	BASE	40.18	89.883	91.500	72106	0.000	0.266	4.2	3.5
25Y24H-FL	POND2	BASE	40.26	89.882	91.500	72101	0.000	0.265	4.2	3.5
25Y24H-FL	POND2	BASE	40.34	89.881	91.500	72095	0.000	0.264	4.2	3.5
25Y24H-FL	POND2	BASE	40.42	89.880	91.500	72089	0.000	0.263	4.2	3.5
25Y24H-FL	POND2	BASE	40.52	89.878	91.500	72082	0.000	0.262	4.2	3.5
25Y24H-FL	POND2	BASE	40.59	89.877	91.500	72076	0.000	0.261	4.2	3.5
25Y24H-FL	POND2	BASE	40.67	89.876	91.500	72071	0.000	0.260	4.2	3.5
25Y24H-FL	POND2	BASE	40.77	89.875	91.500	72064	0.000	0.259	4.2	3.5
25Y24H-FL	POND2	BASE	40.85	89.874	91.500	72058	0.000	0.258	4.2	3.5
25Y24H-FL	POND2	BASE	40.92	89.873	91.500	72053	0.000	0.257	4.2	3.5
25Y24H-FL	POND2	BASE	41.00	89.872	91.500	72047	0.000	0.256	4.2	3.5
25Y24H-FL	POND2	BASE	41.10	89.871	91.500	72040	0.000	0.255	4.2	3.5
25Y24H-FL	POND2	BASE	41.18	89.870	91.500	72035	0.000	0.254	4.2	3.5
25Y24H-FL	POND2	BASE	41.25	89.869	91.500	72029	0.000	0.253	4.2	3.5
25Y24H-FL	POND2	BASE	41.35	89.868	91.500	72022	0.000	0.252	4.2	3.5
25Y24H-FL	POND2	BASE	41.43	89.867	91.500	72017	0.000	0.251	4.2	3.5
25Y24H-FL	POND2	BASE	41.51	89.866	91.500	72011	0.000	0.250	4.2	3.5
25Y24H-FL	POND2	BASE	41.58	89.865	91.500	72006	0.000	0.250	4.2	3.5
25Y24H-FL	POND2	BASE	41.68	89.864	91.500	71999	0.000	0.248	4.2	3.5
25Y24H-FL	POND2	BASE	41.76	89.863	91.500	71994	0.000	0.248	4.2	3.5
25Y24H-FL	POND2	BASE	41.84	89.862	91.500	71989	0.000	0.247	4.2	3.5
25Y24H-FL	POND2	BASE	41.93	89.860	91.500	71982	0.000	0.246	4.2	3.5
25Y24H-FL	POND2	BASE	42.01	89.859	91.500	71977	0.000	0.245	4.2	3.5
25Y24H-FL	POND2	BASE	42.09	89.858	91.500	71971	0.000	0.244	4.2	3.5
25Y24H-FL	POND2	BASE	42.17	89.858	91.500	71966	0.000	0.243	4.2	3.5
25Y24H-FL	POND2	BASE	42.27	89.856	91.500	71959	0.000	0.242	4.2	3.5
25Y24H-FL	POND2	BASE	42.34	89.855	91.500	71954	0.000	0.241	4.2	3.5
25Y24H-FL	POND2	BASE	42.42	89.854	91.500	71949	0.000	0.240	4.2	3.5
25Y24H-FL	POND2	BASE	42.52	89.853	91.500	71942	0.000	0.239	4.2	3.5
25Y24H-FL	POND2	BASE	42.60	89.852	91.500	71937	0.000	0.239	4.2	3.5
25Y24H-FL	POND2	BASE	42.67	89.851	91.500	71932	0.000	0.238	4.2	3.6
25Y24H-FL	POND2	BASE	42.75	89.851	91.500	71927	0.000	0.237	4.2	3.6
25Y24H-FL	POND2	BASE	42.85	89.849	91.500	71921	0.000	0.236	4.2	3.6
25Y24H-FL	POND2	BASE	42.93	89.848	91.500	71915	0.000	0.235	4.2	3.6
25Y24H-FL	POND2	BASE	43.00	89.848	91.500	71910	0.000	0.234	4.2	3.6
25Y24H-FL	POND2	BASE	43.10	89.846	91.500	71904	0.000	0.233	4.2	3.6
25Y24H-FL	POND2	BASE	43.18	89.846	91.500	71899	0.000	0.232	4.2	3.6
25Y24H-FL	POND2	BASE	43.26	89.845	91.500	71894	0.000	0.232	4.2	3.6
25Y24H-FL	POND2	BASE	43.33	89.844	91.500	71889	0.000	0.231	4.2	3.6
25Y24H-FL	POND2	BASE	43.43	89.843	91.500	71883	0.000	0.230	4.2	3.6
25Y24H-FL	POND2	BASE	43.51	89.842	91.500	71878	0.000	0.229	4.2	3.6
25Y24H-FL	POND2	BASE	43.59	89.841	91.500	71873	0.000	0.228	4.2	3.6
25Y24H-FL	POND2	BASE	43.68	89.840	91.500	71867	0.000	0.227	4.2	3.6
25Y24H-FL	POND2	BASE	43.76	89.839	91.500	71862	0.000	0.226	4.2	3.6
25Y24H-FL	POND2	BASE	43.84	89.838	91.500	71857	0.000	0.226	4.2	3.6
25Y24H-FL	POND2	BASE	43.92	89.837	91.500	71852	0.000	0.225	4.2	3.6

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	44.02	89.836	91.500	71846	0.000	0.224	4.2	3.6
25Y24H-FL	POND2	BASE	44.09	89.835	91.500	71841	0.000	0.223	4.2	3.6
25Y24H-FL	POND2	BASE	44.17	89.834	91.500	71836	0.000	0.222	4.2	3.6
25Y24H-FL	POND2	BASE	44.27	89.833	91.500	71830	0.000	0.222	4.2	3.6
25Y24H-FL	POND2	BASE	44.35	89.832	91.500	71825	0.000	0.221	4.2	3.6
25Y24H-FL	POND2	BASE	44.42	89.831	91.500	71820	0.000	0.220	4.2	3.6
25Y24H-FL	POND2	BASE	44.50	89.831	91.500	71816	0.000	0.219	4.2	3.6
25Y24H-FL	POND2	BASE	44.60	89.829	91.500	71810	0.000	0.218	4.2	3.6
25Y24H-FL	POND2	BASE	44.68	89.829	91.500	71805	0.000	0.218	4.2	3.6
25Y24H-FL	POND2	BASE	44.75	89.828	91.500	71800	0.000	0.217	4.2	3.6
25Y24H-FL	POND2	BASE	44.85	89.827	91.500	71794	0.000	0.216	4.2	3.6
25Y24H-FL	POND2	BASE	44.93	89.826	91.500	71790	0.000	0.215	4.2	3.6
25Y24H-FL	POND2	BASE	45.01	89.825	91.500	71785	0.000	0.215	4.2	3.6
25Y24H-FL	POND2	BASE	45.08	89.824	91.500	71780	0.000	0.214	4.2	3.6
25Y24H-FL	POND2	BASE	45.18	89.823	91.500	71775	0.000	0.213	4.2	3.6
25Y24H-FL	POND2	BASE	45.26	89.822	91.500	71770	0.000	0.212	4.2	3.6
25Y24H-FL	POND2	BASE	45.34	89.822	91.500	71765	0.000	0.212	4.2	3.6
25Y24H-FL	POND2	BASE	45.43	89.820	91.500	71760	0.000	0.211	4.2	3.6
25Y24H-FL	POND2	BASE	45.51	89.820	91.500	71755	0.000	0.210	4.2	3.6
25Y24H-FL	POND2	BASE	45.59	89.819	91.500	71750	0.000	0.209	4.2	3.6
25Y24H-FL	POND2	BASE	45.67	89.818	91.500	71746	0.000	0.209	4.2	3.6
25Y24H-FL	POND2	BASE	45.77	89.817	91.500	71740	0.000	0.208	4.2	3.6
25Y24H-FL	POND2	BASE	45.84	89.816	91.500	71736	0.000	0.207	4.2	3.6
25Y24H-FL	POND2	BASE	45.92	89.815	91.500	71731	0.000	0.206	4.2	3.6
25Y24H-FL	POND2	BASE	46.02	89.814	91.500	71726	0.000	0.205	4.2	3.6
25Y24H-FL	POND2	BASE	46.10	89.814	91.500	71721	0.000	0.205	4.2	3.6
25Y24H-FL	POND2	BASE	46.17	89.813	91.500	71717	0.000	0.204	4.2	3.6
25Y24H-FL	POND2	BASE	46.25	89.812	91.500	71712	0.000	0.203	4.2	3.6
25Y24H-FL	POND2	BASE	46.35	89.811	91.500	71707	0.000	0.203	4.2	3.6
25Y24H-FL	POND2	BASE	46.43	89.810	91.500	71702	0.000	0.202	4.2	3.6
25Y24H-FL	POND2	BASE	46.50	89.809	91.500	71698	0.000	0.201	4.2	3.6
25Y24H-FL	POND2	BASE	46.60	89.808	91.500	71693	0.000	0.200	4.2	3.6
25Y24H-FL	POND2	BASE	46.68	89.808	91.500	71688	0.000	0.200	4.2	3.6
25Y24H-FL	POND2	BASE	46.76	89.807	91.500	71684	0.000	0.199	4.2	3.6
25Y24H-FL	POND2	BASE	46.83	89.806	91.500	71680	0.000	0.198	4.2	3.6
25Y24H-FL	POND2	BASE	46.93	89.805	91.500	71674	0.000	0.198	4.2	3.6
25Y24H-FL	POND2	BASE	47.01	89.804	91.500	71670	0.000	0.197	4.2	3.6
25Y24H-FL	POND2	BASE	47.09	89.804	91.500	71666	0.000	0.196	4.2	3.6
25Y24H-FL	POND2	BASE	47.18	89.803	91.500	71660	0.000	0.196	4.2	3.6
25Y24H-FL	POND2	BASE	47.26	89.802	91.500	71656	0.000	0.195	4.2	3.6
25Y24H-FL	POND2	BASE	47.34	89.801	91.500	71652	0.000	0.194	4.2	3.6
25Y24H-FL	POND2	BASE	47.42	89.800	91.500	71648	0.000	0.194	4.2	3.6
25Y24H-FL	POND2	BASE	47.52	89.799	91.500	71642	0.000	0.193	4.2	3.6
25Y24H-FL	POND2	BASE	47.59	89.799	91.500	71638	0.000	0.192	4.2	3.6
25Y24H-FL	POND2	BASE	47.67	89.798	91.500	71634	0.000	0.192	4.2	3.6
25Y24H-FL	POND2	BASE	47.77	89.797	91.500	71629	0.000	0.191	4.2	3.6
25Y24H-FL	POND2	BASE	47.85	89.796	91.500	71625	0.000	0.190	4.2	3.6
25Y24H-FL	POND2	BASE	47.92	89.795	91.500	71620	0.000	0.190	4.2	3.6
25Y24H-FL	POND2	BASE	48.00	89.795	91.500	71616	0.000	0.189	4.2	3.6
25Y24H-FL	POND2	BASE	48.10	89.794	91.500	71611	0.000	0.188	4.2	3.6
25Y24H-FL	POND2	BASE	48.18	89.793	91.500	71607	0.000	0.188	4.2	3.6
25Y24H-FL	POND2	BASE	48.25	89.792	91.500	71603	0.000	0.187	4.2	3.6
25Y24H-FL	POND2	BASE	48.35	89.791	91.500	71598	0.000	0.186	4.2	3.7
25Y24H-FL	POND2	BASE	48.43	89.791	91.500	71594	0.000	0.186	4.2	3.7
25Y24H-FL	POND2	BASE	48.51	89.790	91.500	71590	0.000	0.185	4.2	3.7
25Y24H-FL	POND2	BASE	48.58	89.789	91.500	71586	0.000	0.185	4.2	3.7
25Y24H-FL	POND2	BASE	48.68	89.788	91.500	71581	0.000	0.184	4.2	3.7
25Y24H-FL	POND2	BASE	48.76	89.788	91.500	71577	0.000	0.183	4.2	3.7
25Y24H-FL	POND2	BASE	48.84	89.787	91.500	71573	0.000	0.183	4.2	3.7
25Y24H-FL	POND2	BASE	48.93	89.786	91.500	71568	0.000	0.182	4.2	3.7
25Y24H-FL	POND2	BASE	49.01	89.785	91.500	71564	0.000	0.181	4.2	3.7
25Y24H-FL	POND2	BASE	49.09	89.785	91.500	71560	0.000	0.181	4.2	3.7
25Y24H-FL	POND2	BASE	49.17	89.784	91.500	71556	0.000	0.180	4.2	3.7
25Y24H-FL	POND2	BASE	49.27	89.783	91.500	71551	0.000	0.179	4.2	3.7
25Y24H-FL	POND2	BASE	49.34	89.782	91.500	71547	0.000	0.179	4.2	3.7
25Y24H-FL	POND2	BASE	49.42	89.782	91.500	71543	0.000	0.178	4.2	3.7
25Y24H-FL	POND2	BASE	49.52	89.781	91.500	71538	0.000	0.178	4.2	3.7
25Y24H-FL	POND2	BASE	49.60	89.780	91.500	71535	0.000	0.177	4.2	3.7
25Y24H-FL	POND2	BASE	49.67	89.779	91.500	71531	0.000	0.177	4.2	3.7
25Y24H-FL	POND2	BASE	49.75	89.779	91.500	71527	0.000	0.176	4.2	3.7
25Y24H-FL	POND2	BASE	49.85	89.778	91.500	71522	0.000	0.175	4.2	3.7
25Y24H-FL	POND2	BASE	49.93	89.777	91.500	71518	0.000	0.175	4.2	3.7
25Y24H-FL	POND2	BASE	50.00	89.776	91.500	71514	0.000	0.174	4.2	3.7
25Y24H-FL	POND2	BASE	50.10	89.776	91.500	71510	0.000	0.173	4.2	3.7
25Y24H-FL	POND2	BASE	50.18	89.775	91.500	71506	0.000	0.173	4.2	3.7
25Y24H-FL	POND2	BASE	50.26	89.774	91.500	71502	0.000	0.172	4.2	3.7
25Y24H-FL	POND2	BASE	50.33	89.774	91.500	71498	0.000	0.172	4.2	3.7
25Y24H-FL	POND2	BASE	50.43	89.773	91.500	71494	0.000	0.171	4.2	3.7
25Y24H-FL	POND2	BASE	50.51	89.772	91.500	71490	0.000	0.171	4.2	3.7
25Y24H-FL	POND2	BASE	50.59	89.771	91.500	71486	0.000	0.170	4.2	3.7
25Y24H-FL	POND2	BASE	50.68	89.771	91.500	71482	0.000	0.169	4.2	3.7
25Y24H-FL	POND2	BASE	50.76	89.770	91.500	71478	0.000	0.169	4.2	3.7
25Y24H-FL	POND2	BASE	50.84	89.769	91.500	71474	0.000	0.168	4.2	3.7
25Y24H-FL	POND2	BASE	50.92	89.769	91.500	71471	0.000	0.168	4.2	3.7
25Y24H-FL	POND2	BASE	51.02	89.768	91.500	71466	0.000	0.167	4.2	3.7
25Y24H-FL	POND2	BASE	51.09	89.767	91.500	71462	0.000	0.167	4.2	3.7
25Y24H-FL	POND2	BASE	51.17	89.766	91.500	71459	0.000	0.166	4.2	3.7
25Y24H-FL	POND2	BASE	51.27	89.766	91.500	71454	0.000	0.166	4.2	3.7

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	51.35	89.765	91.500	71451	0.000	0.165	4.2	3.7
25Y24H-FL	POND2	BASE	51.42	89.764	91.500	71447	0.000	0.165	4.2	3.7
25Y24H-FL	POND2	BASE	51.50	89.764	91.500	71443	0.000	0.164	4.2	3.7
25Y24H-FL	POND2	BASE	51.60	89.763	91.500	71439	0.000	0.163	4.2	3.7
25Y24H-FL	POND2	BASE	51.68	89.762	91.500	71435	0.000	0.163	4.2	3.7
25Y24H-FL	POND2	BASE	51.75	89.762	91.500	71432	0.000	0.162	4.2	3.7
25Y24H-FL	POND2	BASE	51.85	89.761	91.500	71427	0.000	0.162	4.2	3.7
25Y24H-FL	POND2	BASE	51.93	89.760	91.500	71424	0.000	0.161	4.2	3.7
25Y24H-FL	POND2	BASE	52.01	89.760	91.500	71420	0.000	0.161	4.2	3.7
25Y24H-FL	POND2	BASE	52.08	89.759	91.500	71417	0.000	0.160	4.2	3.7
25Y24H-FL	POND2	BASE	52.18	89.758	91.500	71412	0.000	0.160	4.2	3.7
25Y24H-FL	POND2	BASE	52.26	89.758	91.500	71409	0.000	0.159	4.2	3.7
25Y24H-FL	POND2	BASE	52.34	89.757	91.500	71406	0.000	0.159	4.2	3.7
25Y24H-FL	POND2	BASE	52.43	89.756	91.500	71401	0.000	0.158	4.2	3.7
25Y24H-FL	POND2	BASE	52.51	89.756	91.500	71398	0.000	0.158	4.2	3.7
25Y24H-FL	POND2	BASE	52.59	89.755	91.500	71394	0.000	0.157	4.2	3.7
25Y24H-FL	POND2	BASE	52.67	89.754	91.500	71391	0.000	0.157	4.2	3.7
25Y24H-FL	POND2	BASE	52.77	89.754	91.500	71387	0.000	0.156	4.2	3.7
25Y24H-FL	POND2	BASE	52.84	89.753	91.500	71383	0.000	0.156	4.2	3.7
25Y24H-FL	POND2	BASE	52.92	89.752	91.500	71380	0.000	0.155	4.2	3.7
25Y24H-FL	POND2	BASE	53.02	89.752	91.500	71376	0.000	0.155	4.2	3.7
25Y24H-FL	POND2	BASE	53.10	89.751	91.500	71372	0.000	0.154	4.2	3.7
25Y24H-FL	POND2	BASE	53.17	89.750	91.500	71369	0.000	0.154	4.2	3.7
25Y24H-FL	POND2	BASE	53.25	89.750	91.500	71365	0.000	0.153	4.2	3.7
25Y24H-FL	POND2	BASE	53.35	89.749	91.500	71361	0.000	0.153	4.2	3.7
25Y24H-FL	POND2	BASE	53.43	89.748	91.500	71358	0.000	0.152	4.2	3.7
25Y24H-FL	POND2	BASE	53.50	89.748	91.500	71355	0.000	0.152	4.2	3.7
25Y24H-FL	POND2	BASE	53.60	89.747	91.500	71351	0.000	0.151	4.2	3.7
25Y24H-FL	POND2	BASE	53.68	89.746	91.500	71347	0.000	0.151	4.2	3.7
25Y24H-FL	POND2	BASE	53.76	89.746	91.500	71344	0.000	0.150	4.2	3.7
25Y24H-FL	POND2	BASE	53.83	89.745	91.500	71341	0.000	0.150	4.2	3.7
25Y24H-FL	POND2	BASE	53.93	89.745	91.500	71337	0.000	0.149	4.2	3.7
25Y24H-FL	POND2	BASE	54.01	89.744	91.500	71333	0.000	0.149	4.2	3.7
25Y24H-FL	POND2	BASE	54.09	89.743	91.500	71330	0.000	0.148	4.2	3.7
25Y24H-FL	POND2	BASE	54.18	89.743	91.500	71326	0.000	0.148	4.2	3.7
25Y24H-FL	POND2	BASE	54.26	89.742	91.500	71323	0.000	0.147	4.2	3.7
25Y24H-FL	POND2	BASE	54.34	89.741	91.500	71320	0.000	0.147	4.2	3.7
25Y24H-FL	POND2	BASE	54.42	89.741	91.500	71316	0.000	0.146	4.2	3.7
25Y24H-FL	POND2	BASE	54.52	89.740	91.500	71312	0.000	0.146	4.2	3.7
25Y24H-FL	POND2	BASE	54.59	89.740	91.500	71309	0.000	0.145	4.2	3.7
25Y24H-FL	POND2	BASE	54.67	89.739	91.500	71306	0.000	0.145	4.2	3.7
25Y24H-FL	POND2	BASE	54.77	89.738	91.500	71302	0.000	0.144	4.2	3.7
25Y24H-FL	POND2	BASE	54.85	89.738	91.500	71299	0.000	0.144	4.2	3.7
25Y24H-FL	POND2	BASE	54.92	89.737	91.500	71296	0.000	0.144	4.2	3.7
25Y24H-FL	POND2	BASE	55.00	89.737	91.500	71293	0.000	0.143	4.2	3.7
25Y24H-FL	POND2	BASE	55.10	89.736	91.500	71289	0.000	0.143	4.2	3.7
25Y24H-FL	POND2	BASE	55.18	89.735	91.500	71286	0.000	0.142	4.2	3.7
25Y24H-FL	POND2	BASE	55.25	89.735	91.500	71282	0.000	0.142	4.2	3.7
25Y24H-FL	POND2	BASE	55.35	89.734	91.500	71279	0.000	0.141	4.2	3.7
25Y24H-FL	POND2	BASE	55.43	89.734	91.500	71276	0.000	0.141	4.2	3.7
25Y24H-FL	POND2	BASE	55.51	89.733	91.500	71272	0.000	0.141	4.2	3.7
25Y24H-FL	POND2	BASE	55.58	89.732	91.500	71269	0.000	0.140	4.2	3.7
25Y24H-FL	POND2	BASE	55.68	89.732	91.500	71266	0.000	0.140	4.2	3.7
25Y24H-FL	POND2	BASE	55.76	89.731	91.500	71262	0.000	0.139	4.2	3.7
25Y24H-FL	POND2	BASE	55.84	89.731	91.500	71259	0.000	0.139	4.2	3.7
25Y24H-FL	POND2	BASE	55.93	89.730	91.500	71256	0.000	0.138	4.2	3.8
25Y24H-FL	POND2	BASE	56.01	89.729	91.500	71253	0.000	0.138	4.2	3.8
25Y24H-FL	POND2	BASE	56.09	89.729	91.500	71250	0.000	0.137	4.2	3.8
25Y24H-FL	POND2	BASE	56.17	89.728	91.500	71247	0.000	0.137	4.2	3.8
25Y24H-FL	POND2	BASE	56.27	89.728	91.500	71243	0.000	0.137	4.2	3.8
25Y24H-FL	POND2	BASE	56.34	89.727	91.500	71240	0.000	0.136	4.2	3.8
25Y24H-FL	POND2	BASE	56.42	89.727	91.500	71237	0.000	0.136	4.2	3.8
25Y24H-FL	POND2	BASE	56.52	89.726	91.500	71233	0.000	0.135	4.2	3.8
25Y24H-FL	POND2	BASE	56.60	89.725	91.500	71230	0.000	0.135	4.2	3.8
25Y24H-FL	POND2	BASE	56.67	89.725	91.500	71227	0.000	0.135	4.2	3.8
25Y24H-FL	POND2	BASE	56.75	89.724	91.500	71224	0.000	0.134	4.2	3.8
25Y24H-FL	POND2	BASE	56.85	89.724	91.500	71221	0.000	0.134	4.2	3.8
25Y24H-FL	POND2	BASE	56.93	89.723	91.500	71218	0.000	0.133	4.2	3.8
25Y24H-FL	POND2	BASE	57.00	89.723	91.500	71215	0.000	0.133	4.2	3.8
25Y24H-FL	POND2	BASE	57.10	89.722	91.500	71211	0.000	0.132	4.2	3.8
25Y24H-FL	POND2	BASE	57.18	89.722	91.500	71208	0.000	0.132	4.2	3.8
25Y24H-FL	POND2	BASE	57.26	89.721	91.500	71205	0.000	0.132	4.2	3.8
25Y24H-FL	POND2	BASE	57.33	89.720	91.500	71203	0.000	0.131	4.2	3.8
25Y24H-FL	POND2	BASE	57.43	89.720	91.500	71199	0.000	0.131	4.2	3.8
25Y24H-FL	POND2	BASE	57.51	89.719	91.500	71196	0.000	0.130	4.2	3.8
25Y24H-FL	POND2	BASE	57.59	89.719	91.500	71193	0.000	0.130	4.2	3.8
25Y24H-FL	POND2	BASE	57.68	89.718	91.500	71190	0.000	0.130	4.2	3.8
25Y24H-FL	POND2	BASE	57.76	89.718	91.500	71187	0.000	0.129	4.2	3.8
25Y24H-FL	POND2	BASE	57.84	89.717	91.500	71184	0.000	0.129	4.2	3.8
25Y24H-FL	POND2	BASE	57.92	89.717	91.500	71181	0.000	0.128	4.2	3.8
25Y24H-FL	POND2	BASE	58.02	89.716	91.500	71178	0.000	0.128	4.2	3.8
25Y24H-FL	POND2	BASE	58.09	89.716	91.500	71175	0.000	0.128	4.2	3.8
25Y24H-FL	POND2	BASE	58.17	89.715	91.500	71172	0.000	0.127	4.2	3.8
25Y24H-FL	POND2	BASE	58.27	89.714	91.500	71169	0.000	0.127	4.2	3.8
25Y24H-FL	POND2	BASE	58.35	89.714	91.500	71166	0.000	0.126	4.2	3.8
25Y24H-FL	POND2	BASE	58.42	89.713	91.500	71163	0.000	0.126	4.2	3.8
25Y24H-FL	POND2	BASE	58.50	89.713	91.500	71160	0.000	0.126	4.2	3.8
25Y24H-FL	POND2	BASE	58.60	89.712	91.500	71157	0.000	0.125	4.2	3.8

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
25Y24H-FL	POND2	BASE	58.68	89.712	91.500	71154	0.000	0.125	4.2	3.8
25Y24H-FL	POND2	BASE	58.75	89.711	91.500	71151	0.000	0.125	4.2	3.8
25Y24H-FL	POND2	BASE	58.85	89.711	91.500	71148	0.000	0.124	4.2	3.8
25Y24H-FL	POND2	BASE	58.93	89.710	91.500	71145	0.000	0.124	4.2	3.8
25Y24H-FL	POND2	BASE	59.01	89.710	91.500	71143	0.000	0.123	4.2	3.8
25Y24H-FL	POND2	BASE	59.08	89.709	91.500	71140	0.000	0.123	4.2	3.8
25Y24H-FL	POND2	BASE	59.18	89.709	91.500	71136	0.000	0.123	4.2	3.8
25Y24H-FL	POND2	BASE	59.26	89.708	91.500	71134	0.000	0.122	4.2	3.8
25Y24H-FL	POND2	BASE	59.34	89.708	91.500	71131	0.000	0.122	4.2	3.8
25Y24H-FL	POND2	BASE	59.43	89.707	91.500	71128	0.000	0.122	4.2	3.8
25Y24H-FL	POND2	BASE	59.51	89.707	91.500	71125	0.000	0.121	4.2	3.8
25Y24H-FL	POND2	BASE	59.59	89.706	91.500	71122	0.000	0.121	4.2	3.8
25Y24H-FL	POND2	BASE	59.67	89.706	91.500	71120	0.000	0.121	4.2	3.8
25Y24H-FL	POND2	BASE	59.77	89.705	91.500	71117	0.000	0.120	4.2	3.8
25Y24H-FL	POND2	BASE	59.84	89.705	91.500	71114	0.000	0.120	4.2	3.8
25Y24H-FL	POND2	BASE	59.92	89.704	91.500	71111	0.000	0.119	4.2	3.8
25Y24H-FL	POND2	BASE	60.02	89.704	91.500	71108	0.000	0.119	4.2	3.8
25Y24H-FL	POND2	BASE	60.10	89.703	91.500	71105	0.000	0.119	4.2	3.8
25Y24H-FL	POND2	BASE	60.17	89.703	91.500	71103	0.000	0.118	4.2	3.8
25Y24H-FL	POND2	BASE	60.25	89.702	91.500	71100	0.000	0.118	4.2	3.8
25Y24H-FL	POND2	BASE	60.35	89.702	91.500	71097	0.000	0.118	4.2	3.8
25Y24H-FL	POND2	BASE	60.43	89.701	91.500	71094	0.000	0.117	4.2	3.8
25Y24H-FL	POND2	BASE	60.50	89.701	91.500	71092	0.000	0.117	4.2	3.8
25Y24H-FL	POND2	BASE	60.60	89.700	91.500	71089	0.000	0.117	4.2	3.8
25Y24H-FL	POND2	BASE	60.68	89.700	91.500	71086	0.000	0.116	4.2	3.8
25Y24H-FL	POND2	BASE	60.76	89.699	91.500	71083	0.000	0.116	4.2	3.8
25Y24H-FL	POND2	BASE	60.83	89.699	91.500	71081	0.000	0.116	4.2	3.8
25Y24H-FL	POND2	BASE	60.93	89.698	91.500	71078	0.000	0.115	4.2	3.8
25Y24H-FL	POND2	BASE	61.01	89.698	91.500	71075	0.000	0.115	4.2	3.8
25Y24H-FL	POND2	BASE	61.09	89.697	91.500	71073	0.000	0.115	4.2	3.8
25Y24H-FL	POND2	BASE	61.18	89.697	91.500	71070	0.000	0.114	4.2	3.8
25Y24H-FL	POND2	BASE	61.26	89.696	91.500	71067	0.000	0.114	4.2	3.8
25Y24H-FL	POND2	BASE	61.34	89.696	91.500	71065	0.000	0.114	4.2	3.8
25Y24H-FL	POND2	BASE	61.42	89.695	91.500	71062	0.000	0.113	4.2	3.8
25Y24H-FL	POND2	BASE	61.52	89.695	91.500	71059	0.000	0.113	4.2	3.8
25Y24H-FL	POND2	BASE	61.59	89.694	91.500	71057	0.000	0.113	4.2	3.8
25Y24H-FL	POND2	BASE	61.67	89.694	91.500	71054	0.000	0.112	4.2	3.8
25Y24H-FL	POND2	BASE	61.77	89.693	91.500	71051	0.000	0.112	4.2	3.8
25Y24H-FL	POND2	BASE	61.85	89.693	91.500	71049	0.000	0.112	4.2	3.8
25Y24H-FL	POND2	BASE	61.92	89.692	91.500	71046	0.000	0.111	4.2	3.8
25Y24H-FL	POND2	BASE	62.00	89.692	91.500	71044	0.000	0.111	4.2	3.8
25Y24H-FL	POND2	BASE	62.10	89.691	91.500	71041	0.000	0.111	4.2	3.8
25Y24H-FL	POND2	BASE	62.18	89.691	91.500	71038	0.000	0.110	4.2	3.8
25Y24H-FL	POND2	BASE	62.25	89.691	91.500	71036	0.000	0.110	4.2	3.8
25Y24H-FL	POND2	BASE	62.35	89.690	91.500	71033	0.000	0.110	4.2	3.8
25Y24H-FL	POND2	BASE	62.43	89.690	91.500	71030	0.000	0.109	4.2	3.8
25Y24H-FL	POND2	BASE	62.51	89.689	91.500	71028	0.000	0.109	4.2	3.8
25Y24H-FL	POND2	BASE	62.58	89.689	91.500	71026	0.000	0.109	4.2	3.8
25Y24H-FL	POND2	BASE	62.68	89.688	91.500	71023	0.000	0.108	4.2	3.8
25Y24H-FL	POND2	BASE	62.76	89.688	91.500	71020	0.000	0.108	4.2	3.8
25Y24H-FL	POND2	BASE	62.84	89.687	91.500	71018	0.000	0.108	4.2	3.8
25Y24H-FL	POND2	BASE	62.93	89.687	91.500	71015	0.000	0.107	4.2	3.8
25Y24H-FL	POND2	BASE	63.01	89.686	91.500	71013	0.000	0.107	4.2	3.8
25Y24H-FL	POND2	BASE	63.09	89.686	91.500	71010	0.000	0.107	4.2	3.8
25Y24H-FL	POND2	BASE	63.17	89.686	91.500	71008	0.000	0.107	4.2	3.8
25Y24H-FL	POND2	BASE	63.27	89.685	91.500	71005	0.000	0.106	4.2	3.8
25Y24H-FL	POND2	BASE	63.34	89.685	91.500	71003	0.000	0.106	4.2	3.8
25Y24H-FL	POND2	BASE	63.42	89.684	91.500	71000	0.000	0.106	4.2	3.8
25Y24H-FL	POND2	BASE	63.52	89.684	91.500	70997	0.000	0.105	4.2	3.8
25Y24H-FL	POND2	BASE	63.60	89.683	91.500	70995	0.000	0.105	4.2	3.8
25Y24H-FL	POND2	BASE	63.67	89.683	91.500	70993	0.000	0.105	4.2	3.8
25Y24H-FL	POND2	BASE	63.75	89.682	91.500	70990	0.000	0.104	4.2	3.8
25Y24H-FL	POND2	BASE	63.85	89.682	91.500	70988	0.000	0.104	4.2	3.8
25Y24H-FL	POND2	BASE	63.93	89.681	91.500	70985	0.000	0.104	4.2	3.8
25Y24H-FL	POND2	BASE	64.00	89.681	91.500	70983	0.000	0.104	4.2	3.8
25Y24H-FL	POND2	BASE	64.10	89.681	91.500	70980	0.000	0.103	4.2	3.8
25Y24H-FL	POND2	BASE	64.18	89.680	91.500	70978	0.000	0.103	4.2	3.8
25Y24H-FL	POND2	BASE	64.26	89.680	91.500	70976	0.000	0.103	4.2	3.8
25Y24H-FL	POND2	BASE	64.33	89.679	91.500	70973	0.000	0.102	4.2	3.8
25Y24H-FL	POND2	BASE	64.43	89.679	91.500	70971	0.000	0.102	4.2	3.8
25Y24H-FL	POND2	BASE	64.51	89.678	91.500	70968	0.000	0.102	4.2	3.8
25Y24H-FL	POND2	BASE	64.59	89.678	91.500	70966	0.000	0.102	4.2	3.8
25Y24H-FL	POND2	BASE	64.68	89.678	91.500	70963	0.000	0.101	4.2	3.8
25Y24H-FL	POND2	BASE	64.76	89.677	91.500	70961	0.000	0.101	4.2	3.8
25Y24H-FL	POND2	BASE	64.84	89.677	91.500	70959	0.000	0.101	4.2	3.8
25Y24H-FL	POND2	BASE	64.92	89.676	91.500	70957	0.000	0.100	4.2	3.8
25Y24H-FL	POND2	BASE	65.02	89.676	91.500	70954	0.000	0.100	4.2	3.8
25Y24H-FL	POND2	BASE	65.09	89.675	91.500	70952	0.000	0.100	4.2	3.8
25Y24H-FL	POND2	BASE	65.17	89.675	91.500	70950	0.000	0.100	4.2	3.8
25Y24H-FL	POND2	BASE	65.27	89.675	91.500	70947	0.000	0.099	4.2	3.8
25Y24H-FL	POND2	BASE	65.35	89.674	91.500	70945	0.000	0.099	4.2	3.8
25Y24H-FL	POND2	BASE	65.42	89.674	91.500	70942	0.000	0.099	4.2	3.8
25Y24H-FL	POND2	BASE	65.50	89.673	91.500	70940	0.000	0.098	4.2	3.8
25Y24H-FL	POND2	BASE	65.60	89.673	91.500	70938	0.000	0.098	4.2	3.8
25Y24H-FL	POND2	BASE	65.68	89.673	91.500	70935	0.000	0.098	4.2	3.8
25Y24H-FL	POND2	BASE	65.75	89.672	91.500	70933	0.000	0.098	4.2	3.8
25Y24H-FL	POND2	BASE	65.85	89.672	91.500	70931	0.000	0.097	4.2	3.8
25Y24H-FL	POND2	BASE	65.93	89.671	91.500	70928	0.000	0.097	4.2	3.8

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	66.01	89.671	91.500	70926	0.000	0.097	4.2	3.8
25Y24H-FL	POND2	BASE	66.08	89.671	91.500	70924	0.000	0.097	4.2	3.8
25Y24H-FL	POND2	BASE	66.18	89.670	91.500	70922	0.000	0.096	4.2	3.8
25Y24H-FL	POND2	BASE	66.26	89.670	91.500	70919	0.000	0.096	4.2	3.8
25Y24H-FL	POND2	BASE	66.34	89.669	91.500	70917	0.000	0.096	4.2	3.8
25Y24H-FL	POND2	BASE	66.43	89.669	91.500	70915	0.000	0.095	4.2	3.9
25Y24H-FL	POND2	BASE	66.51	89.668	91.500	70913	0.000	0.095	4.2	3.9
25Y24H-FL	POND2	BASE	66.59	89.668	91.500	70911	0.000	0.095	4.2	3.9
25Y24H-FL	POND2	BASE	66.67	89.668	91.500	70908	0.000	0.095	4.2	3.9
25Y24H-FL	POND2	BASE	66.77	89.667	91.500	70906	0.000	0.094	4.2	3.9
25Y24H-FL	POND2	BASE	66.84	89.667	91.500	70904	0.000	0.094	4.2	3.9
25Y24H-FL	POND2	BASE	66.92	89.666	91.500	70902	0.000	0.094	4.2	3.9
25Y24H-FL	POND2	BASE	67.02	89.666	91.500	70899	0.000	0.094	4.2	3.9
25Y24H-FL	POND2	BASE	67.10	89.666	91.500	70897	0.000	0.093	4.2	3.9
25Y24H-FL	POND2	BASE	67.17	89.665	91.500	70895	0.000	0.093	4.2	3.9
25Y24H-FL	POND2	BASE	67.25	89.665	91.500	70893	0.000	0.093	4.2	3.9
25Y24H-FL	POND2	BASE	67.35	89.664	91.500	70890	0.000	0.093	4.2	3.9
25Y24H-FL	POND2	BASE	67.43	89.664	91.500	70888	0.000	0.092	4.2	3.9
25Y24H-FL	POND2	BASE	67.50	89.664	91.500	70886	0.000	0.092	4.2	3.9
25Y24H-FL	POND2	BASE	67.60	89.663	91.500	70884	0.000	0.092	4.2	3.9
25Y24H-FL	POND2	BASE	67.68	89.663	91.500	70882	0.000	0.092	4.2	3.9
25Y24H-FL	POND2	BASE	67.76	89.663	91.500	70880	0.000	0.091	4.2	3.9
25Y24H-FL	POND2	BASE	67.83	89.662	91.500	70878	0.000	0.091	4.2	3.9
25Y24H-FL	POND2	BASE	67.93	89.662	91.500	70875	0.000	0.091	4.2	3.9
25Y24H-FL	POND2	BASE	68.01	89.661	91.500	70873	0.000	0.091	4.2	3.9
25Y24H-FL	POND2	BASE	68.09	89.661	91.500	70871	0.000	0.090	4.2	3.9
25Y24H-FL	POND2	BASE	68.18	89.661	91.500	70869	0.000	0.090	4.2	3.9
25Y24H-FL	POND2	BASE	68.26	89.660	91.500	70867	0.000	0.090	4.2	3.9
25Y24H-FL	POND2	BASE	68.34	89.660	91.500	70865	0.000	0.090	4.2	3.9
25Y24H-FL	POND2	BASE	68.42	89.659	91.500	70863	0.000	0.089	4.2	3.9
25Y24H-FL	POND2	BASE	68.52	89.659	91.500	70860	0.000	0.089	4.2	3.9
25Y24H-FL	POND2	BASE	68.59	89.659	91.500	70858	0.000	0.089	4.2	3.9
25Y24H-FL	POND2	BASE	68.67	89.658	91.500	70857	0.000	0.089	4.2	3.9
25Y24H-FL	POND2	BASE	68.77	89.658	91.500	70854	0.000	0.088	4.2	3.9
25Y24H-FL	POND2	BASE	68.85	89.658	91.500	70852	0.000	0.088	4.2	3.9
25Y24H-FL	POND2	BASE	68.92	89.657	91.500	70850	0.000	0.088	4.2	3.9
25Y24H-FL	POND2	BASE	69.00	89.657	91.500	70848	0.000	0.088	4.2	3.9
25Y24H-FL	POND2	BASE	69.10	89.656	91.500	70846	0.000	0.087	4.2	3.9
25Y24H-FL	POND2	BASE	69.18	89.656	91.500	70844	0.000	0.087	4.2	3.9
25Y24H-FL	POND2	BASE	69.25	89.656	91.500	70842	0.000	0.087	4.2	3.9
25Y24H-FL	POND2	BASE	69.35	89.655	91.500	70840	0.000	0.087	4.2	3.9
25Y24H-FL	POND2	BASE	69.43	89.655	91.500	70838	0.000	0.086	4.2	3.9
25Y24H-FL	POND2	BASE	69.51	89.655	91.500	70836	0.000	0.086	4.2	3.9
25Y24H-FL	POND2	BASE	69.58	89.654	91.500	70834	0.000	0.086	4.2	3.9
25Y24H-FL	POND2	BASE	69.68	89.654	91.500	70832	0.000	0.086	4.2	3.9
25Y24H-FL	POND2	BASE	69.76	89.654	91.500	70830	0.000	0.086	4.2	3.9
25Y24H-FL	POND2	BASE	69.84	89.653	91.500	70828	0.000	0.085	4.2	3.9
25Y24H-FL	POND2	BASE	69.93	89.653	91.500	70825	0.000	0.085	4.2	3.9
25Y24H-FL	POND2	BASE	70.01	89.652	91.500	70824	0.000	0.085	4.2	3.9
25Y24H-FL	POND2	BASE	70.09	89.652	91.500	70822	0.000	0.085	4.2	3.9
25Y24H-FL	POND2	BASE	70.17	89.652	91.500	70820	0.000	0.084	4.2	3.9
25Y24H-FL	POND2	BASE	70.27	89.651	91.500	70818	0.000	0.084	4.2	3.9
25Y24H-FL	POND2	BASE	70.34	89.651	91.500	70816	0.000	0.084	4.2	3.9
25Y24H-FL	POND2	BASE	70.42	89.651	91.500	70814	0.000	0.084	4.2	3.9
25Y24H-FL	POND2	BASE	70.52	89.650	91.500	70812	0.000	0.084	4.2	3.9
25Y24H-FL	POND2	BASE	70.60	89.650	91.500	70810	0.000	0.083	4.2	3.9
25Y24H-FL	POND2	BASE	70.67	89.650	91.500	70808	0.000	0.083	4.2	3.9
25Y24H-FL	POND2	BASE	70.75	89.649	91.500	70806	0.000	0.083	4.2	3.9
25Y24H-FL	POND2	BASE	70.85	89.649	91.500	70804	0.000	0.083	4.2	3.9
25Y24H-FL	POND2	BASE	70.93	89.649	91.500	70802	0.000	0.082	4.2	3.9
25Y24H-FL	POND2	BASE	71.00	89.648	91.500	70800	0.000	0.082	4.2	3.9
25Y24H-FL	POND2	BASE	71.10	89.648	91.500	70798	0.000	0.082	4.2	3.9
25Y24H-FL	POND2	BASE	71.18	89.647	91.500	70796	0.000	0.082	4.2	3.9
25Y24H-FL	POND2	BASE	71.26	89.647	91.500	70794	0.000	0.082	4.2	3.9
25Y24H-FL	POND2	BASE	71.33	89.647	91.500	70792	0.000	0.081	4.2	3.9
25Y24H-FL	POND2	BASE	71.43	89.646	91.500	70790	0.000	0.081	4.2	3.9
25Y24H-FL	POND2	BASE	71.51	89.646	91.500	70788	0.000	0.081	4.2	3.9
25Y24H-FL	POND2	BASE	71.59	89.646	91.500	70787	0.000	0.081	4.2	3.9
25Y24H-FL	POND2	BASE	71.68	89.645	91.500	70784	0.000	0.080	4.2	3.9
25Y24H-FL	POND2	BASE	71.76	89.645	91.500	70783	0.000	0.080	4.2	3.9
25Y24H-FL	POND2	BASE	71.84	89.645	91.500	70781	0.000	0.080	4.2	3.9
25Y24H-FL	POND2	BASE	71.92	89.644	91.500	70779	0.000	0.080	4.2	3.9
25Y24H-FL	POND2	BASE	72.02	89.644	91.500	70777	0.000	0.080	4.2	3.9
25Y24H-FL	POND2	BASE	72.09	89.644	91.500	70775	0.000	0.079	4.2	3.9
25Y24H-FL	POND2	BASE	72.17	89.643	91.500	70773	0.000	0.079	4.2	3.9
25Y24H-FL	POND2	BASE	72.27	89.643	91.500	70771	0.000	0.079	4.2	3.9
25Y24H-FL	POND2	BASE	72.35	89.643	91.500	70769	0.000	0.079	4.2	3.9
25Y24H-FL	POND2	BASE	72.42	89.642	91.500	70768	0.000	0.079	4.2	3.9
25Y24H-FL	POND2	BASE	72.50	89.642	91.500	70766	0.000	0.078	4.2	3.9
25Y24H-FL	POND2	BASE	72.60	89.642	91.500	70764	0.000	0.078	4.2	3.9
25Y24H-FL	POND2	BASE	72.68	89.641	91.500	70762	0.000	0.078	4.2	3.9
25Y24H-FL	POND2	BASE	72.75	89.641	91.500	70760	0.000	0.078	4.2	3.9
25Y24H-FL	POND2	BASE	72.85	89.641	91.500	70758	0.000	0.078	4.2	3.9
25Y24H-FL	POND2	BASE	72.93	89.640	91.500	70757	0.000	0.077	4.2	3.9
25Y24H-FL	POND2	BASE	73.01	89.640	91.500	70755	0.000	0.077	4.2	3.9
25Y24H-FL	POND2	BASE	73.08	89.640	91.500	70753	0.000	0.077	4.2	3.9
25Y24H-FL	POND2	BASE	73.18	89.639	91.500	70751	0.000	0.077	4.2	3.9
25Y24H-FL	POND2	BASE	73.26	89.639	91.500	70749	0.000	0.077	4.2	3.9

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
25Y24H-FL	POND2	BASE	73.34	89.639	91.500	70748	0.000	0.076	4.2	3.9
25Y24H-FL	POND2	BASE	73.43	89.638	91.500	70746	0.000	0.076	4.2	3.9
25Y24H-FL	POND2	BASE	73.51	89.638	91.500	70744	0.000	0.076	4.2	3.9
25Y24H-FL	POND2	BASE	73.59	89.638	91.500	70742	0.000	0.076	4.2	3.9
25Y24H-FL	POND2	BASE	73.67	89.638	91.500	70741	0.000	0.076	4.2	3.9
25Y24H-FL	POND2	BASE	73.77	89.637	91.500	70738	0.000	0.075	4.2	3.9
25Y24H-FL	POND2	BASE	73.84	89.637	91.500	70737	0.000	0.075	4.2	3.9
25Y24H-FL	POND2	BASE	73.92	89.637	91.500	70735	0.000	0.075	4.2	3.9
25Y24H-FL	POND2	BASE	74.02	89.636	91.500	70733	0.000	0.075	4.2	3.9
25Y24H-FL	POND2	BASE	74.10	89.636	91.500	70731	0.000	0.075	4.2	3.9
25Y24H-FL	POND2	BASE	74.17	89.636	91.500	70730	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.25	89.635	91.500	70728	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.35	89.635	91.500	70726	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.43	89.635	91.500	70724	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.50	89.634	91.500	70723	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.60	89.634	91.500	70721	0.000	0.074	4.2	3.9
25Y24H-FL	POND2	BASE	74.68	89.634	91.500	70719	0.000	0.073	4.2	3.9
25Y24H-FL	POND2	BASE	74.76	89.633	91.500	70718	0.000	0.073	4.2	3.9
25Y24H-FL	POND2	BASE	74.83	89.633	91.500	70716	0.000	0.073	4.2	3.9
25Y24H-FL	POND2	BASE	74.93	89.633	91.500	70714	0.000	0.073	4.2	3.9
25Y24H-FL	POND2	BASE	75.01	89.632	91.500	70712	0.000	0.073	4.2	3.9
25Y24H-FL	POND2	BASE	75.09	89.632	91.500	70711	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.18	89.632	91.500	70709	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.26	89.632	91.500	70707	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.34	89.631	91.500	70706	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.42	89.631	91.500	70704	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.52	89.631	91.500	70702	0.000	0.072	4.2	3.9
25Y24H-FL	POND2	BASE	75.59	89.630	91.500	70700	0.000	0.071	4.2	3.9
25Y24H-FL	POND2	BASE	75.67	89.630	91.500	70699	0.000	0.071	4.2	3.9
25Y24H-FL	POND2	BASE	75.77	89.630	91.500	70697	0.000	0.071	4.2	3.9
25Y24H-FL	POND2	BASE	75.85	89.629	91.500	70695	0.000	0.071	4.2	3.9
25Y24H-FL	POND2	BASE	75.92	89.629	91.500	70694	0.000	0.071	4.2	3.9
25Y24H-FL	POND2	BASE	76.00	89.629	91.500	70692	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.10	89.629	91.500	70690	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.18	89.628	91.500	70689	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.25	89.628	91.500	70687	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.35	89.628	91.500	70685	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.43	89.627	91.500	70684	0.000	0.070	4.2	3.9
25Y24H-FL	POND2	BASE	76.51	89.627	91.500	70682	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	76.58	89.627	91.500	70681	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	76.68	89.626	91.500	70679	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	76.76	89.626	91.500	70677	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	76.84	89.626	91.500	70676	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	76.93	89.626	91.500	70674	0.000	0.069	4.2	3.9
25Y24H-FL	POND2	BASE	77.01	89.625	91.500	70672	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.09	89.625	91.500	70671	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.17	89.625	91.500	70669	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.27	89.624	91.500	70667	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.34	89.624	91.500	70666	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.42	89.624	91.500	70664	0.000	0.068	4.2	3.9
25Y24H-FL	POND2	BASE	77.52	89.624	91.500	70663	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	77.60	89.623	91.500	70661	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	77.67	89.623	91.500	70660	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	77.75	89.623	91.500	70658	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	77.85	89.622	91.500	70656	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	77.93	89.622	91.500	70655	0.000	0.067	4.2	3.9
25Y24H-FL	POND2	BASE	78.00	89.622	91.500	70653	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.10	89.622	91.500	70652	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.18	89.621	91.500	70650	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.26	89.621	91.500	70649	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.33	89.621	91.500	70647	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.43	89.620	91.500	70645	0.000	0.066	4.2	3.9
25Y24H-FL	POND2	BASE	78.51	89.620	91.500	70644	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	78.59	89.620	91.500	70642	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	78.68	89.620	91.500	70641	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	78.76	89.619	91.500	70639	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	78.84	89.619	91.500	70638	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	78.92	89.619	91.500	70636	0.000	0.065	4.2	3.9
25Y24H-FL	POND2	BASE	79.02	89.619	91.500	70635	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.09	89.618	91.500	70633	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.17	89.618	91.500	70632	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.27	89.618	91.500	70630	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.35	89.617	91.500	70629	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.42	89.617	91.500	70627	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.50	89.617	91.500	70626	0.000	0.064	4.2	3.9
25Y24H-FL	POND2	BASE	79.60	89.617	91.500	70624	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	79.68	89.616	91.500	70623	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	79.75	89.616	91.500	70621	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	79.85	89.616	91.500	70619	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	79.93	89.616	91.500	70618	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	80.01	89.615	91.500	70617	0.000	0.063	4.2	3.9
25Y24H-FL	POND2	BASE	80.02	89.615	91.500	70617	0.000	0.063	4.2	3.9
3Y1H	POND2	BASE	0.00	89.900	91.500	72202	0.000	0.282	0.0	0.0
3Y1H	POND2	BASE	0.09	89.899	91.500	72196	0.000	0.281	0.0	0.0
3Y1H	POND2	BASE	0.17	89.898	91.500	72189	0.013	0.280	0.0	0.0
3Y1H	POND2	BASE	0.25	89.897	91.500	72186	0.229	0.279	0.0	0.0
3Y1H	POND2	BASE	0.34	89.900	91.500	72204	1.968	0.282	0.0	0.0

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
3Y1H	POND2	BASE	0.42	89.915	91.500	72286	5.860	0.300	0.0	0.0
3Y1H	POND2	BASE	0.51	89.950	91.500	72478	11.438	0.352	0.1	0.0
3Y1H	POND2	BASE	0.59	90.003	91.500	72776	16.399	0.450	0.2	0.0
3Y1H	POND2	BASE	0.67	90.072	91.500	73159	19.501	0.601	0.3	0.0
3Y1H	POND2	BASE	0.75	90.153	91.500	73610	19.980	0.805	0.4	0.0
3Y1H	POND2	BASE	0.83	90.225	91.500	74014	18.547	1.010	0.6	0.0
3Y1H	POND2	BASE	0.92	90.292	91.500	74385	15.760	1.213	0.7	0.0
3Y1H	POND2	BASE	1.00	90.342	91.500	74664	12.453	1.376	0.8	0.0
3Y1H	POND2	BASE	1.09	90.381	91.500	74882	9.498	1.509	0.9	0.1
3Y1H	POND2	BASE	1.17	90.409	91.500	75035	7.289	1.604	0.9	0.1
3Y1H	POND2	BASE	1.25	90.428	91.500	75142	5.630	1.673	1.0	0.1
3Y1H	POND2	BASE	1.34	90.441	91.500	75216	4.370	1.720	1.0	0.1
3Y1H	POND2	BASE	1.42	90.449	91.500	75263	3.379	1.751	1.0	0.1
3Y1H	POND2	BASE	1.50	90.454	91.500	75290	2.597	1.768	1.1	0.1
3Y1H	POND2	BASE	1.59	90.456	91.500	75301	1.960	1.776	1.1	0.1
3Y1H	POND2	BASE	1.67	90.456	91.500	75299	1.426	1.774	1.1	0.1
3Y1H	POND2	BASE	1.75	90.454	91.500	75287	0.973	1.766	1.1	0.2
3Y1H	POND2	BASE	1.84	90.450	91.500	75265	0.613	1.752	1.1	0.2
3Y1H	POND2	BASE	1.92	90.445	91.500	75237	0.349	1.734	1.1	0.2
3Y1H	POND2	BASE	2.00	90.439	91.500	75204	0.000	1.713	1.1	0.2
3Y1H	POND2	BASE	2.09	90.432	91.500	75167	0.000	1.688	1.1	0.2
3Y1H	POND2	BASE	2.17	90.425	91.500	75129	0.000	1.664	1.1	0.2
3Y1H	POND2	BASE	2.25	90.419	91.500	75093	0.000	1.641	1.1	0.2
3Y1H	POND2	BASE	2.34	90.412	91.500	75056	0.000	1.618	1.1	0.2
3Y1H	POND2	BASE	2.42	90.406	91.500	75021	0.000	1.595	1.1	0.2
3Y1H	POND2	BASE	2.50	90.400	91.500	74985	0.000	1.573	1.1	0.3
3Y1H	POND2	BASE	2.59	90.393	91.500	74950	0.000	1.551	1.1	0.3
3Y1H	POND2	BASE	2.67	90.387	91.500	74916	0.000	1.530	1.1	0.3
3Y1H	POND2	BASE	2.75	90.381	91.500	74882	0.000	1.509	1.1	0.3
3Y1H	POND2	BASE	2.84	90.375	91.500	74849	0.000	1.488	1.1	0.3
3Y1H	POND2	BASE	2.92	90.369	91.500	74816	0.000	1.468	1.1	0.3
3Y1H	POND2	BASE	3.00	90.363	91.500	74783	0.000	1.448	1.1	0.3
3Y1H	POND2	BASE	3.09	90.358	91.500	74751	0.000	1.429	1.1	0.3
3Y1H	POND2	BASE	3.17	90.352	91.500	74719	0.000	1.409	1.1	0.3
3Y1H	POND2	BASE	3.25	90.346	91.500	74688	0.000	1.391	1.1	0.3
3Y1H	POND2	BASE	3.34	90.341	91.500	74657	0.000	1.372	1.1	0.4
3Y1H	POND2	BASE	3.42	90.335	91.500	74626	0.000	1.354	1.1	0.4
3Y1H	POND2	BASE	3.50	90.330	91.500	74596	0.000	1.336	1.1	0.4
3Y1H	POND2	BASE	3.59	90.324	91.500	74567	0.000	1.319	1.1	0.4
3Y1H	POND2	BASE	3.67	90.319	91.500	74537	0.000	1.301	1.1	0.4
3Y1H	POND2	BASE	3.75	90.314	91.500	74508	0.000	1.284	1.1	0.4
3Y1H	POND2	BASE	3.84	90.309	91.500	74480	0.000	1.268	1.1	0.4
3Y1H	POND2	BASE	3.92	90.304	91.500	74451	0.000	1.252	1.1	0.4
3Y1H	POND2	BASE	4.00	90.299	91.500	74423	0.000	1.236	1.1	0.4
3Y1H	POND2	BASE	4.01	90.299	91.500	74423	0.000	1.236	1.1	0.4

Contract 239266-4

Offsite Ponds
Changes to Conway Road pond

HORIZON engineering group, inc.

SHEET	1	OF	1
JOB NO.	105.03.07		
DATE	6/11/2009		
PROJECT	SR 15 - From Lee Vista Blvd. to Conway Blvd.	COMPUTED BY	ACT
SUBJECT	Miscellaneous Pond Calculations - Offsite Ponds	CHECKED BY	PEM

There is one area within the limits of the 239266-4-52-01 project that discharge to a previously permitted pond. The roadway widening will not affect the area discharging to this pond. At the request of the SJRWMD, the previously permitted pond was evaluated to ensure that the addition/subtraction of area would not adversely impact the permanent pool volume, drawdown time, treatment volume, etc. In doing the analyses on this pond, the difference in impervious area to the pond was examined as the original permit had treatment volumes based on impervious area, rather than total area.

Discharge to SR 15 project (FPN 75080-3527)
(Permitted under SJRWMD Permit No. 4-095-20613-3)
From permitted calculations on existing pond (Conway Road, Pond #5 calculations - found in 'Reference Material' Appendix)

Impervious area removed from the pond = 0.15 ac

Negative treatment volume required = 2.5 in * 0.15 ac = 1361 cu ft = 0.03 ac-ft

Treatment Volume = 8.15 ac-ft - 0.03 ac-ft = 8.12 ac-ft
Half the Treatment Volume = 8.12ac-ft/2 = 4.06ac-ft

Pond stage/storage relationship

Stage (ft)	Cum. Storage (ac-ft)
90.5	0.00
91	3.30
92	10.051
93	16.996
94	24.138
95	31.479

Permitted Orifice Invert = 90.5'
Centerline of Permitted 6" Orifice = 90.75'
Permitted Weir Elevation = 92.0'
When half of the Trt. Vol., 4.06 ac-ft, is drawn down the total storage in the pond is 10.051 ac-ft - 4.06 ac-ft = 5.991 ac-ft
5.991 ac-ft corresponds to elevation 91.4'

h_1 = 92.0 - 90.75 = 1.25ft
h_2 = 91.4 - 90.75 = 0.65ft
$h = (h_1 + h_2)/2$ = 0.95ft

$Q = cA(2gh)^{1/2}$

A_{48hrs} = 0.22
A_{60hrs} = 0.17

$D = (4A/pi)^{1/2}$

D_{48hrs} = 0.53 ft
D_{60hrs} = 0.47 ft

The orifice is 0.5 ft, within the minimum and maximum size necessary to meet the drawdown criteria, therefore the decrease in the impervious area to the pond will not affect the drawdown to the existing pond.

Appendix C – Pipe Length, Storm Sewer, Spread, and Trench Drain Calculations

Contract 239266-3

Pipe Length Calculations

All pipe lengths shown on the stormtabs are structure to structure dimensions as computed by ASAD. J-bottom structures were all assumed in the program to have five foot inside widths. Therefore, actual pipe lengths as shown in the Contract 239266-3 plans were computed based on the actual bottom sizes and are included in this section.

Link ID	From Node			To Node			Hydraulic Length (ft)	Actual Length (ft)	Pipe Size (in)	Comments
	ID	Width/Diam (ft)	Structure Type	ID	Width/Diam (ft)	Structure Type				
ONSITE SYSTEMS										
S1										
RS1-1	S1-1	3.5	P-5	S1-3	3.5	P-5	317.4	**314**	18	
RS1-2	S1-2	3.5	P-5	S1-1	3.5	P-5	78.8	**76**	18	
RS1-3	S1-3	3.5	P-5	S1-5	3.5	P-6	57.7	**55**	18	
RS1-4	S1-4	3.5	P-6	S1-6	3.5	P-5	400.2	**397**	24	
RS1-5	S1-5	3.5	P-6	S1-4	3.5	P-6	76.5	**73**	18	
RS1-6	S1-6	3.5	P-5	S1-7	3.5	P-6	170.0	**167**	24	
RS1-7	S1-7	3.5	P-6	S1-9	4.0	P-5	401.3	**398**	30	Alt. B
RS1-8	S1-8	3.5	P-6	S1-7	3.5	P-6	79.1	**76**	18	
RS1-9	S1-9	4.0	P-5	S1-10	5.0	J-6	299.8	**296**	30	Alt. A
RS1-10	S1-10	4.0	J-6	S1-11	4.0	J-6	80.3	**77**	36	Alt. B, 4'x5'
RS1-11	S1-11	4.0	J-6	S1-12	6.0	J-8 MH	26.0	**21**	36	Alt. B, 4'x5'
RS1-12	S1-12	6.0	J-8 MH	S1-17	3.5	J-8 MH	380.8	**377**	42	Alt. A, 6' Diam.
RS1-13	S1-13	3.5	P-5	S1-11	5.0	J-6	183.3	**180**	30	
RS1-14	S1-14	3.5	P-5	S1-13	3.5	P-5	253.4	**250**	24	
RS1-15	S1-15	3.5	P-6	S1-16	3.5	P-6	76.5	**73**	18	
RS1-16	S1-16	3.5	P-6	S1-14	3.5	P-5	402.6	**400**	24	
RS1-17	S1-17	3.5	J-8 MH	S1-18	3.5	J-8 MH	400.0	**397**	42	Alt. B, 3.5'x5'
RS1-18	S1-18	3.5	J-8 MH	S1-19	6.0	J-8 MH	366.3	**362**	42	Alt. B, 3.5'x5'
RS1-19	S1-19	6.0	J-8 MH	POND1	17.0	MES	74.5	**55**	42	Alt. A, 6' Diam.
S2										
RS2-1	S2-1	3.5	P-5	S2-3	5.0	J-6	157.0	**153**	18	
RS2-2	S2-2	3.5	P-6	S2-3	4.0	J-6	76.5	**73**	18	

Link ID	From Node			To Node			Hydraulic Length (ft)	Actual Length (ft)	Pipe Size (in)	Comments
	ID	Width/Diam (ft)	Structure Type	ID	Width/Diam (ft)	Structure Type				
RS2-3	S2-3	4.0	J-6	POND2	13.0	MES	107.8	93	30	Alt. B, 4'x5'
RS2-4	S2-4	3.5	P-5	S2-3	5.0	J-6	180.0	176	30	
RS2-5	S2-5	3.5	P-5	S2-4	3.5	P-5	370.6	368	24	
RS2-6	S2-6	3.5	P-6	S2-7	3.5	P-6	88.5	85	18	
RS2-7	S2-7	3.5	P-6	S2-5	3.5	P-5	211.7	209	24	
RS2-8	S2-8	3.5	P-5	S2-9	3.5	P-5	86.4	83	18	
RS2-9	S2-9	3.5	P-5	S2-7	3.5	P-6	280.2	277	24	
RS2-10	S2-10	3.5	P-6	S2-9	3.5	P-5	119.2	116	18	
S3										
RS3-1	S3-1	3.5	P-5	S3-3	4.0	7	136.8	134	18	
RS3-2	S3-2	3.5	P-5	S3-4	3.5	P-6	52.3	49	18	
RS3-3	S3-3		7	S3-5		7	30.2	31	18	
RS3-4	S3-4	3.5	P-6	S3-6	3.5	P-5	59.2	56	18	
RS3-5	S3-5	4.0	7	S3-7	4.0	7	46.2	43	18	
RS3-6	S3-6	3.5	P-5	S3-7	3.0	7	47.9	45	24	
RS3-7	S3-7	4.0	7	S3-8	4.0	P-5	155.5	152	24	
RS3-8	S3-8	4.0	P-5	S3-9	4.0	P-5	288.9	285	30	Alt. A
RS3-9	S3-9	4.0	P-5	S3-11	7.0	J-8 MH	152.3	147	30	Alt. A
RS3-10	S3-10	3.5	J-6	POND3	23.0	MES	106.8	83	60	Alt. B, 3.5'x7'
RS3-11	S3-11	4.0	J-8 MH	S3-10	3.5	J-6	38.3	35	60	Alt. B, 4'x7'
RS3-12	S3-12	6.0	J-6	S3-11	4.0	J-8 MH	38.3	34	60	Alt. B, 6'x7'
RS3-13	S3-13	3.5	J-5	S3-12	7.0	J-6	353.0	348	54	Alt. B, 3.5'x6'
RS3-14	S3-14	3.5	P-6	S3-15	6.0	J-6	76.5	72	18	
RS3-15	S3-15	3.5	J-6	S3-13	3.5	J-5	226.8	224	54	Alt. B, 3.5'x6'

Link ID	From Node			To Node			Hydraulic Length (ft)	Actual Length (ft)	Pipe Size (in)	Comments
	ID	Width/Diam (ft)	Structure Type	ID	Width/Diam (ft)	Structure Type				
RS3-16	S3-16	3.5	J-5	S3-15	3.5	J-6	260.0	257	48	Alt. B, 3.5'x6'
RS3-17	S3-17	3.5	P-6	S3-18	6.0	J-6	76.5	72	18	
RS3-18	S3-18	3.5	J-6	S3-16	3.5	J-5	350.7	348	48	Alt. B, 3.5'x6'
RS3-19	S3-19	3.5	P-5	S3-20	6.0	J-5	76.5	72	18	
RS3-20	S3-20	3.5	J-5	S3-18	3.5	J-6	486.8	484	48	Alt. B, 3.5'x6'
RS3-21	S3-21	5.0	J-6	S3-22	6.0	J-6	76.5	71	48	Alt. B, 5'x6'
RS3-22	S3-22	6.0	J-6	S3-20	3.5	J-5	183.5	179	48	Alt. B, 6'x6'
RS3-23	S3-23	3.5	J-5	S3-21	6.0	J-6	100.3	96	42	Alt. B, 3.5'x5'
RS3-24	S3-24	3.1	DBI-D	S3-26	3.5	P-5	29.1	26	18	8' of 15" pipe
RS3-25	S3-25	3.5	J-5	S3-23	3.5	J-5	304.7	302	42	Alt. B, 3.5'x5'
RS3-26	S3-26	3.5	P-5	S3-25	5.0	J-5	76.5	73	24	
RS3-27	S3-27	3.5	J-5	S3-25	3.5	J-5	237.3	234	42	Alt. B, 3.5'x5'
RS3-28	S3-28	2.0	DBI-C	S3-27	5.0	J-5	94.3	91	18	7' of 15" pipe
RS3-29	S3-29	4.1	DBI-D	S3-32	3.5	P-5	48.3	45	18	
RS3-30	S3-30	3.5	J-5	S3-27	3.5	J-5	169.9	167	42	Alt. B, 3.5'x5'
RS3-31	S3-31	3.5	P-5	S3-30	5.0	J-5	76.5	73	18	
RS3-32	S3-32	3.5	J-6	S3-30	3.5	J-5	169.0	166	42	Alt. B, 3.5'x5'
RS3-33	S3-33	3.5	P-6	S3-32	3.5	P-5	76.5	73	18	
RS3-34	S3-34	3.5	J-5	S3-32	3.5	J-6	190.0	187	36	Alt. B, 3.5'x5'
RS3-35	S3-35	3.5	J-8 MH	S3-34	3.5	J-5	390.9	388	36	Alt. B, 3.5'x5'
RS3-36	S3-36	3.5	P-5	S3-35	5.0	J-8 MH	81.3	78	18	
RS3-37	S3-37	3.5	J-6	S3-35	3.5	J-8 MH	189.1	186	36	Alt. B, 3.5'x5'
RS3-38	S3-38	3.5	P-6	S3-37	5.0	J-6	76.5	73	18	

Link ID	From Node			To Node			Hydraulic Length (ft)	Actual Length (ft)	Pipe Size (in)	Comments
	ID	Width/Diam (ft)	Structure Type	ID	Width/Diam (ft)	Structure Type				
RS3-39	S3-39	3.5	J-5	S3-37	3.5	J-6	166.0	163	36	Alt. B, 3.5'x5'
RS3-40	S3-40	3.5	J-6	S3-39	3.5	J-5	364.0	361	36	Alt. B, 3.5'x5'
RS3-41	S3-41	3.5	P-6	S3-40	5.0	J-6	76.5	73	18	
RS3-42	S3-42	3.5	P-5	S3-41	3.5	P-6	120.0	117	18	
RS3-43	S3-43	3.5	J-5	S3-40	3.5	J-6	220.0	217	36	Alt. B, 3.5'x5'
RS3-44	S3-44	3.5	J-5	S3-43	3.5	J-5	350.0	347	36	Alt. B, 3.5'x5'
RS3-45	S3-45	3.5	P-5	S3-47	3.5	P-6	32.0	29	18	
RS3-46	S3-46	4.0	P-6	S3-44	3.5	J-5	32.0	29	30	Alt. A
RS3-47	S3-47	3.5	P-6	S3-46	4.0	P-6	76.5	73	18	
RS3-48	S3-48	3.5	P-5	S3-46	4.0	P-6	43.0	40	30	
RS3-49	S3-49	3.5	P-5	S3-47	3.5	P-6	43.0	40	18	
RS3-50	S3-50	4.0	P-5	S3-48	3.5	P-5	383.0	380	30	Alt. A
RS3-51	S3-51	3.5	P-5	S3-50	4.0	P-5	90.7	87	24	
RS3-52	S3-52	3.5	P-5	S3-50	4.0	P-5	142.0	139	24	
RS3-53	S3-53	3.0	7	S3-52	3.5	P-5	32.8	30	18	
RS3-54	S3-54	3.5	P-5	S3-51	3.5	P-5	142.0	139	18	
RS3-55	S3-55	2.0	C-MOD	S3-54	3.5	P-5	110.1	108	18	
RS3-56	S3-56	3.5	P-8 MH	S3-52	3.5	P-5	135.3	132	18	
RS3-57	S3-57	3.5	P-8 MH	S3-55	2.0	C-MOD	57.0	55	18	

Basin 2
Storm Sewer Calculations

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM DRAIN TABULATION FORM

Financial Prj Id: **239266-3-52-01** County: **ORANGE** Network: **POND2** Designed by **SLG** Date: 10/25/2011
Description: **FROM LEE VISTA TO SR 436** Organization **HORIZON ENGINEERING GROUP, INC** State Road: **SR 15** Checked by: **PEM** Date: 10/25/2011

LOCATION OF UPPER END / ALIGNMENT NAME / STATION	DIST	SD	STR. NO. / UPPER / LOWER	TYPE OF STR.	LEN. (ft.)	AREAS (Ac) C= 0.95 / C= 0.20 / C= 0.00 INC	TOTAL	SUB-TOTAL (C*A)	TIME OF CONC (min)	TIME OF FLOW SECT. (min)	INTEN (in/hr)	TOTAL (C*A)	BASE FLOW SUMM BASE (cfs)	TOTAL FLOW (cfs)	MINOR LOSS (ft.)	INLET ELEV. (ft.)	HGL CLEAR (ft.)	HYDRAULIC GRADE CROWN / FLOWLINE UPPER (ft.)	LOWER (ft.)	FALL (ft.)	# B R L S	PIPE SIZE (in.) / RISE SPAN	SLOPE % / HGL / PHYS MIN.	ACTUAL VEL. / PHYS. VEL. (fps)	FULL FLOW CAP. (cfs)	NOTES & REMARKS ZONE: 7 / FREQ. (Yrs): 3 / MANNINGS n: 0.0120 / TAILW EL (ft): 90.15
SR15CL			**S2-1**			0.28	0.28	0.27										90.67	90.62	0.04		18.00	0.029	1.00		
				P-5	153.00	0.01	0.01	0.00	10.00	1.27	6.50	0.27	0.00	1.77	0.01	92.67	**2.00**	89.50	88.80		1		0.458		7.70	
2442+43.00	38.25	Rt.	S2-3			0.00	0.00	0.00					0.00					88.00	87.30	0.70		18.00	0.150	4.36		
SR15CL			**S2-2**			0.72	0.72	0.68										90.80	90.62	0.18		18.00	0.246	2.66		
				P-6	72.50	0.18	0.18	0.04	10.00	0.45	6.50	0.72	0.00	**4.69**	0.05	92.19	**1.39**	89.30	88.80		1		0.690		9.45	
2444+00.00	38.25	Lt.	S2-3			0.00	0.00	0.00					0.00					87.80	87.30	0.50		18.00	0.150	5.35		
SR15CL			**S2-3**			0.32	3.29	0.31										90.62	90.32	0.30		30.00	0.312	3.32		
				J-6	96.24	0.03	0.61	0.01	18.82	0.00	5.02	3.24	0.00	**16.28**	0.17	92.19	**1.57**	84.50	83.50		1		1.039		45.29	
2444+00.00	38.25	Rt.	POND2			0.00	0.00	0.00					0.00					82.00	81.00	1.00		30.00	0.076	9.23		
SR15CL			**S2-4**			0.10	1.96	0.09										90.74	90.62	0.12		30.00	0.070	2.05		
				P-5	176.00	0.03	0.39	0.01	17.39	1.43	5.20	1.94	0.00	**10.07**	0.03	92.73	**1.99**	85.00	84.50		1		0.284		23.68	
2445+80.00	38.25	Rt.	S2-3			0.00	0.00	0.00					0.00					82.50	82.00	0.50		30.00	0.076	4.82		
SR15CL			**S2-5**			0.27	1.86	0.26										90.99	90.74	0.25		30.00	0.067	2.11		
				P-5	367.62	0.08	0.36	0.02	14.48	2.91	5.62	1.84	0.00	**10.33**	0.05	92.28	**1.28**	85.70	85.00		1		0.190		19.39	
2449+50.00	50.25	Rt.	S2-4			0.00	0.00	0.00					0.00					83.20	82.50	0.70		30.00	0.076	3.95		
SR15CL			**S2-6**			0.55	0.55	0.52										91.48	91.37	0.11		18.00	0.131	1.99		
				P-6	85.50	0.10	0.10	0.02	10.00	0.71	6.50	0.54	0.00	**3.51**	0.03	92.15	**0.67**	87.75	87.50		1		0.292		6.15	
2451+60.00	38.25	Lt.	S2-7			0.00	0.00	0.00					0.00					86.25	86.00	0.25		18.00	0.150	3.48		
SR15CL			**S2-7**			0.54	1.59	0.51										91.37	90.99	0.38		24.00	0.182	2.90		
				P-6	208.68	0.02	0.28	0.00	13.28	1.20	5.82	1.56	0.00	**9.10**	0.09	91.79	**0.42**	86.00	85.70		1		0.144		9.29	
2451+60.00	50.25	Rt.	S2-5			0.00	0.00	0.00					0.00					84.00	83.70	0.30		24.00	0.102	2.96		
SR15CL			**S2-8**			0.11	0.11	0.10										91.43	91.43	0.00		18.00	0.005	0.40		
				P-5	83.42	0.03	0.03	0.01	10.00	0.70	6.50	0.11	0.00	**0.70**	0.00	92.00	**0.57**	88.28	88.15		1		0.156		4.49	
2454+40.00	42.90	Lt.	S2-9			0.00	0.00	0.00					0.00					86.78	86.65	0.13		18.00	0.150	2.54		
SR15CL			**S2-9**			0.09	0.50	0.08										91.43	91.37	0.06		24.00	0.021	1.02		
				P-5	277.36	0.03	0.15	0.01	10.97	2.31	6.28	0.51	0.00	**3.19**	0.01	92.24	**0.81**	86.60	86.30		1		0.108		8.06	
2454+40.00	43.52	Rt.	S2-7			0.00	0.00	0.00					0.00					84.60	84.30	0.30		24.00	0.102	2.57		
SR15CL			**S2-10**			0.31	0.31	0.29										91.48	91.43	0.05		18.00	0.041	1.15		
				P-6	116.16	0.10	0.10	0.02	10.00	0.97	6.50	0.31	0.00	**2.03**	0.01	91.89	**0.41**	88.90	88.10		1		0.689		9.44	
2455+60.00	44.83	Rt.	S2-9			0.00	0.00	0.00					0.00					87.40	86.60	0.80		18.00	0.150	5.34		

Units: ENGLISH

HGL method: Do NOT jump to pipe crown.

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Portions of ASAD were developed by Kenneth J. Leeming, P.E. at International Engineering Consultants, Inc.

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM DRAIN TABULATION FORM

Financial Prj Id: **239266-3-52-01** County: **ORANGE** Network: **OFF2-1** Designed by **SLG** Date: 10/25/2011
Description: **FROM LEE VISTA TO SR 436** Organization **HORIZON ENGINEERING GROUP, INC** State Road: **SR 15** Checked by: **PEM** Date: 10/25/2011

LOCATION OF UPPER END ALIGNMENT NAME STATION	DIST	SD	STR. NO. UPPER LOWER	TYPE OF STR.	LEN. (ft.)	AREAS (Ac) C= 0.95 C= 0.25 C= 0.15 INC	TOTAL	SUB-TOTAL (C*A)	TIME OF CONC (min)	TIME OF FLOW SECT. (min)	INTEN (in/hr)	TOTAL (C*A)	BASE FLOW SUMM BASE (cfs)	TOTAL FLOW (cfs)	MINOR LOSS (ft.)	INLET ELEV. (ft.)	HGL CLEAR (ft.)	HYDRAULIC GRADE CROWN FLOWLINE UPPER (ft.)	LOWER (ft.)	FALL (ft.)	# B R L S	PIPE SIZE (in.) RISE SPAN	SLOPE % HGL MIN.	ACTUAL VEL. PHYS. VEL. (fps)	FULL FLOW CAP. (cfs)	NOTES & REMARKS ZONE: 7 FREQ. (Yrs): 10 MANNINGS n: 0.0120 TAILW EL (ft): 87.67
POND2			**CS-2**			0.00	0.00	0.00										89.11	89.09	0.02		24.00	0.076	1.30		Base Flow obtained from
				DBI-D	27.27	0.00	0.00	0.00	10.00	0.23	7.41	0.00	4.09	**4.09**	0.01	89.45	**0.34**	88.50	88.46		1		0.147		9.39	pond routing - 25yr/24hr
24+64.50	305.35	Lt.	O2-105			0.00	0.00	0.00					4.09					86.50	86.46	0.04		24.00	0.102	2.99		
SR15CL			**O2-100**			0.00	0.00	0.00										89.30	89.22	0.08		18.00	0.032	1.08		Flow contained within R/W
				C-MOD	248.00	0.74	0.74	0.18	10.00	2.07	7.41	0.26	0.00	**1.90**	0.01	89.19	**-0.11**	89.70	89.32		1		0.153		4.45	R/W @ 89.69'
2439+50	46.80	Lt.	O2-101			0.45	0.45	0.07					0.00					88.20	87.82	0.38		18.00	0.150	2.52		
SR15CL			**O2-101**			0.00	0.05	0.00										89.22	89.16	0.06		24.00	0.020	1.00		
				C-MOD	278.00	0.23	1.21	0.06	12.07	2.32	6.94	0.45	0.00	**3.15**	0.01	89.51	**0.29**	89.32	89.03		1		0.104		7.92	
2442+00	46.80	Lt.	O2-103			0.23	0.68	0.03					0.00					87.32	87.03	0.29		24.00	0.102	2.52		
SR15CL			**O2-102**			0.04	0.04	0.04										89.23	89.22	0.01		18.00	0.006	0.42		
				DBI-D	96.39	0.25	0.25	0.06	10.00	0.80	7.41	0.10	0.00	**0.75**	0.00	90.68	**1.45**	89.50	89.32		1		0.187		4.92	
2442+00	52.09	Rt.	O2-101			0.00	0.00	0.00					0.00					88.00	87.82	0.18		18.00	0.150	2.78		
SR15CL			**O2-103**			0.63	0.68	0.60										89.16	89.00	0.17		24.00	0.069	1.85		Flow contained within R/W
				C-MOD	241.15	0.68	1.89	0.17	35.00	2.01	4.40	1.32	0.00	**5.80**	0.03	88.42	**-0.74**	89.03	88.75		1		0.116		8.35	R/W @ 89.57'
2444+80	46.80	Lt.	O2-106			0.68	1.35	0.10					0.00					87.03	86.75	0.28		24.00	0.102	2.66		
POND2			**O2-104**			0.00	0.00	0.00										88.99	88.90	0.09		24.00	0.033	1.30		
				P-8 MH	262.94	0.00	0.00	0.00	12.63	2.19	6.83	0.00	0.00	**4.09**	0.01	92.74	**3.75**	87.75	87.47		1		0.106		8.00	
22+31.74	127.15	Lt.	O2-107			0.00	0.00	0.00					4.09					85.75	85.47	0.28		24.00	0.102	2.55		
POND2			**O2-105**			0.00	0.00	0.00										89.09	88.99	0.10		24.00	0.035	1.30		
				P-8 MH	287.90	0.00	0.00	0.00	10.23	2.40	7.35	0.00	0.00	**4.09**	0.02	92.74	**3.65**	88.46	88.16		1		0.104		7.91	
24+43.23	326.89	Lt.	O2-104			0.00	0.00	0.00					4.09					86.46	86.16	0.30		24.00	0.102	2.52		
SR15CL			**O2-106**			1.00	1.67	0.95										89.00	88.90	0.10		30.00	0.100	1.99		Flow contained within R/W
				P-7 MH	96.12	0.09	1.98	0.02	37.01	0.80	4.27	2.29	0.00	**9.78**	0.05	87.79	**-1.21**	89.25	89.15		1		0.104		14.33	R/W @ 89.03'
2447+23.65	46.75	Lt.	O2-107			0.00	1.35	0.00					0.00					86.75	86.65	0.10		30.00	0.076	2.92		
SR15CL			**O2-107**			0.00	1.67	0.00										88.90	88.68	0.22		36.00	0.083	2.32		
				J-7 MH	262.73	1.56	3.54	0.39	37.81	1.89	4.22	2.91	0.00	**16.40**	0.08	89.00	**0.09**	88.47	88.31		1		0.061		17.83	
2446+83	44.75	Rt.	O2-108A			1.56	2.91	0.23					4.09					85.47	85.31	0.16		36.00	0.059	2.52		
SR15CL			**O2-108**			0.52	0.52	0.49										88.98	88.74	0.24		18.00	0.144	2.23		Flow contained within R/W
				C-MOD	166.22	0.17	0.17	0.04	10.00	1.24	7.41	0.53	0.00	**3.95**	0.04	88.96	**-0.02**	89.15	88.80		1		0.211		5.22	R/W @ 89.79'
2449+50	46.79	Lt.	O2-109			0.00	0.00	0.00					0.00					87.65	87.30	0.35		18.00	0.150	2.95		
SR15CL			**O2-108A**			0.00	1.67	0.00										88.68	88.56	0.12		36.00	0.074	2.28		
				J-8 MH	166.54	0.00	3.54	0.00	39.70	1.22	4.12	2.91	0.00	**16.09**	0.04	92.76	**4.08**	88.31	88.20		1		0.066		18.57	
2449+50.00	56.50	Rt.	O2-110			0.00	2.91	0.00					4.09					85.31	85.20	0.11		36.00	0.059	2.63		
SR15CL			**O2-109**			0.55	1.07	0.52										88.74	88.56	0.18		24.00	0.182	2.51		Flow contained within R/W
				P-7 MH	99.50	0.21	0.38	0.05	11.24	0.66	7.12	1.11	0.00	**7.88**	0.08	88.82	**0.08**	89.10	88.90		1		0.201		10.99	R/W @ 89.69'
2451+20	46.75	Lt.	O2-110			0.00	0.00	0.00					0.00					87.10	86.90	0.20		24.00	0.102	3.50		
SR15CL			**O2-110**			0.00	2.74	0.00										88.56	88.43	0.13		36.00	0.227	2.96		
				J-7 MH	56.88	0.33	4.24	0.08	40.92	0.32	4.05	4.15	0.00	**20.91**	0.08	90.00	**1.44**	88.20	88.16		1		0.070		19.16	
2451+20.00	56.75	Rt.	O2-111			0.33	3.24	0.05					4.09					85.20	85.16	0.04		36.00	0.059	2.71		
SR15CL			**O2-111**			0.00	2.74	0.00										88.43	88.27	0.16		36.00	0.261	2.95		
				J-8 MH	60.75	0.00	4.24	0.00	41.24	0.34	4.03	4.15	0.00	**20.84**	0.11	92.26	**3.83**	88.16	88.11		1		0.082		20.73	
2451+81.31	57.60	Rt.	O2-112			0.00	3.24	0.00					4.09					85.16	85.11	0.05		36.00	0.059	2.93		

Units: ENGLISH

HGL method: Do NOT jump to pipe crown.

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Portions of ASAD were developed by Kenneth J. Leeming, P.E. at International Engineering Consultants, Inc.

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM DRAIN TABULATION FORM

Financial Prj Id: **239266-3-52-01** County: **ORANGE** Network: **OFF2-1** Designed by **SLG** Date: 10/25/2011
Description: **FROM LEE VISTA TO SR 436** Organization **HORIZON ENGINEERING GROUP, INC** State Road: **SR 15** Checked by: **PEM** Date: 10/25/2011

LOCATION OF UPPER END / ALIGNMENT NAME / STATION	DIST	SD	STR. NO. / UPPER / LOWER	TYPE OF STR.	LEN. (ft.)	AREAS (Ac) C= 0.95 / C= 0.25 / C= 0.15 INC	TOTAL	SUB-TOTAL (C*A)	TIME OF CONC (min)	TIME OF FLOW SECT. (min)	INTEN (in/hr)	TOTAL (C*A)	BASE FLOW SUMM BASE (cfs)	TOTAL FLOW (cfs)	MINOR LOSS (ft.)	INLET ELEV. (ft.)	HGL CLEAR (ft.)	HYDRAULIC GRADE CROWN / FLOWLINE UPPER (ft.)	LOWER (ft.)	FALL (ft.)	# BR L S	PIPE SIZE (in.) / RISE / SPAN	SLOPE % HGL / PHYS / MIN.	ACTUAL VEL. PHYS. / VEL. (fps)	FULL FLOW CAP. (cfs)	NOTES & REMARKS
CL2			O2-112			0.00	2.74	0.00										88.27	88.17	0.10		36.00	0.235	2.94		ZONE: 7
				DBI-CJ	44.32	0.03	4.28	0.01	41.58	0.25	4.02	4.16	0.00	**20.79**	0.07	90.55	**2.28**	88.11	88.08		1		0.068		18.80	FREQ. (Yrs): 10
453+00.00	58.59	Rt.	O2-113			0.00	3.24	0.00					4.09					85.11	85.08	0.03		36.00	0.059	2.66		MANNINGS n: 0.0120
CL2			O2-113			0.00	3.71	0.00										88.17	87.90	0.27		36.00	0.280	3.82		
				J-7 MH	96.75	0.00	6.86	0.00	41.83	0.00	4.00	5.73	0.00	**27.01**	0.14	90.98	**2.81**	88.08	87.84		1		0.248		35.99	
453+48.69	55.01	Rt.	DITCH			0.00	3.24	0.00					4.09					85.08	84.84	0.24		36.00	0.059	5.09		TAILW EL (ft): 87.67
CL2			O2-114			0.17	0.97	0.16										88.22	88.17	0.05		24.00	0.361	2.18		
				P-6	13.12	0.04	2.58	0.01	35.29	0.10	4.38	1.57	0.00	**6.86**	0.04	89.87	**1.65**	87.20	87.10		1		0.762		21.39	
453+46	38.10	Rt.	O2-113			0.00	0.00	0.00					0.00					85.20	85.10	0.10		24.00	0.102	6.81		
CL2			O2-115			0.00	0.80	0.00										88.31	88.22	0.10		24.00	0.126	1.96		
				P-8 MH	75.72	0.00	2.55	0.00	34.66	0.63	4.42	1.39	0.00	**6.16**	0.05	91.58	**3.27**	88.65	87.20		1		1.915		33.91	
453+46	40.62	Lt.	O2-114			0.00	0.00	0.00					0.00					86.65	85.20	1.45		24.00	0.102	10.80		
CL2			O2-116			0.00	0.80	0.00										88.39	88.31	0.08		24.00	0.154	1.97		
				DBI-D	53.85	0.62	2.55	0.15	34.21	0.45	4.45	1.39	0.00	**6.20**	0.05	90.55	**2.16**	89.10	88.65		1		0.836		22.40	
454+00	58.41	Lt.	O2-115			0.00	0.00	0.00					0.00					87.10	86.65	0.45		24.00	0.102	7.13		
SR15CL			O2-117			0.37	0.37	0.35										88.67	88.45	0.22		18.00	0.194	2.45		Top of bank elev. of ditc
				MES	110.76	0.35	0.35	0.09	33.00	0.75	4.53	0.44	0.00	**1.98**	0.05	89.42	**0.75**	89.42	89.25		1		0.153		4.46	h = 89.6
2454+00	60.57	Lt.	O2-118			0.00	0.00	0.00					0.00					87.92	87.75	0.17		18.00	0.150	2.52		
SR15CL			O2-118			0.00	0.80	0.00										88.45	88.39	0.06		24.00	0.105	1.77		
				P-7 MH	54.64	0.23	1.93	0.06	33.75	0.46	4.48	1.24	0.00	**5.55**	0.03	90.82	**2.37**	89.20	89.10		1		0.183		10.48	
2454+00	51.69	Rt.	O2-116			0.00	0.00	0.00					0.00					87.20	87.10	0.10		24.00	0.102	3.34		
SR15CL			O2-119			0.00	0.43	0.00										88.65	88.45	0.20		24.00	0.081	2.83		
				P-7 MH	244.91	0.24	1.36	0.06	13.65	1.44	6.64	0.74	0.00	**4.94**	0.06	90.25	**1.60**	89.50	89.20		1		0.122		8.58	
2456+50.00	51.81	Rt.	O2-118			0.00	0.00	0.00					0.00					87.50	87.20	0.30		24.00	0.102	2.73		
SR15CL			O2-120			0.00	0.42	0.00										88.69	88.65	0.04		24.00	0.063	1.46		
				C-MOD	60.40	0.11	1.12	0.03	13.14	0.50	6.73	0.68	0.00	**4.60**	0.02	89.65	**0.96**	89.60	89.50		1		0.166		9.97	
2457+13.19	46.72	Rt.	O2-119			0.00	0.00	0.00					0.00					87.60	87.50	0.10		24.00	0.102	3.17		
SR15CL			O2-121			0.08	0.42	0.08										88.80	88.69	0.12		24.00	0.134	2.69		
				DBI-C	88.06	0.18	1.01	0.05	12.60	0.55	6.84	0.66	0.00	**4.48**	0.06	90.90	**2.10**	89.70	89.60		1		0.114		8.26	
2458+03.29	51.33	Rt.	O2-120			0.00	0.00	0.00					0.00					87.70	87.60	0.10		24.00	0.102	2.63		
SR15CL			EX-90			0.00	0.34	0.00										89.91	89.73	0.18		18.00	0.373	3.19		
				DBI-C	48.00	0.39	0.83	0.10	12.35	0.25	6.89	0.53	0.00	**3.68**	0.08	90.70	**0.79**	90.40	90.30		1		0.208		5.19	
2458+53.29	51.44	Rt.	O2-121			0.00	0.00	0.00					0.00					88.90	88.80	0.10		18.00	0.150	2.94		
SR15CL			EX-93			0.11	0.34	0.11										90.00	89.91	0.09		18.00	0.099	1.74		
				DBI-C	88.02	0.21	0.44	0.05	11.61	0.73	7.04	0.44	0.00	**3.07**	0.02	91.10	**1.10**	90.60	90.40		1		0.227		5.42	
2459+43.30	52.47	Rt.	EX-90			0.00	0.00	0.00					0.00					89.10	88.90	0.20		18.00	0.150	3.07		
SR15CL			EX-94			0.20	0.23	0.19										90.03	90.00	0.04		18.00	0.042	1.12		
				DBI-C	88.00	0.05	0.23	0.01	10.88	0.73	7.20	0.28	0.00	**1.98**	0.01	91.20	**1.17**	90.70	90.60		1		0.114		3.84	
2460+33.30	52.50	Rt.	EX-93			0.00	0.00	0.00					0.00					89.20	89.10	0.10		18.00	0.150	2.17		
SR15CL			EX-97			0.03	0.03	0.03										90.04	90.03	0.00		18.00	0.003	0.30		
				DBI-C	105.55	0.18	0.18	0.05	10.00	0.88	7.41	0.07	0.00	**0.52**	0.00	90.90	**0.86**	90.90	90.70		1		0.189		4.95	
2461+40.85	52.35	Rt.	EX-94			0.00	0.00	0.00					0.00					89.40	89.20	0.20		18.00	0.150	2.80		

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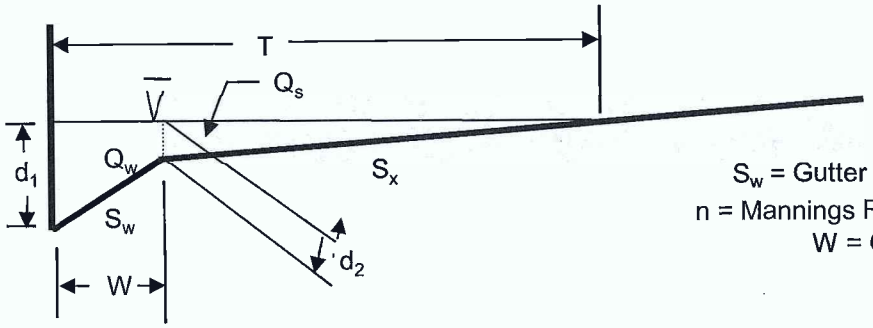
Basin 2
Spread Calculations

HORIZON engineering group, inc.

SHEET	OF
JOB NO.	105.03.07
DATE	11/16/2008
COMPUTED BY	SLG
CHECKED BY	PEM

PROJECT SR 15 - From Lee Vista Blvd. to Conway Blvd.

SUBJECT Spread for Composite Gutter Section Calculations - **BASIN 2**



S_w = Gutter Cross Slope = 0.083 ft/ft
n = Mannings Rough. Coef. = 0.015
W = Gutter Width = 1.5 ft

$$Q_s = \frac{S^{0.5} * 0.56 * d_2^{2.67}}{n * S_x}$$

$$Q_w = \frac{S^{0.5} * 0.56 * \left(d_1^{2.67} - d_2^{2.67}\right)}{n * S_w}$$

NOTE : Q_{actual} based on areas and runoff coef. from Storm Tabs.

Structure S2-1
Sta. 2442+43.00 RT

T_{actual} = Actual Spread =	**8.40**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0830	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00304	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.09	cfs
Q_{actual} (based on actual spread) =	1.09	cfs
Q_{allow} (based on allowable spread) =	2.06	cfs
Intercepted Flow =	1.09	cfs
Bypass to S2-3 =	0.00	cfs

Structure S2-2 BK - Sag Inlet
Sta. 2444+00.00 LT

T_{actual} = Actual Spread =	**9.52**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00304	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.46	cfs
Q_{actual} (based on actual spread) =	1.46	cfs
Q_{allow} (based on allowable spread) =	2.06	cfs
Total Flow AH & BK =	2.89	cfs
Actual Spread (based on Fig. A-17) =	7.00	ft

Structure S2-2 AH - Sag Inlet
Sta. 2444+00.00 LT

T_{actual} = Actual Spread =	**9.45**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.42	cfs
Q_{actual} (based on actual spread) =	1.42	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Total Flow AH & BK =	2.89	cfs
Actual Spread (based on Fig. A-17) =	7.00	ft

Structure S2-3 BK - Sag Inlet
Sta. 2444+00.00 RT

T_{actual} = Actual Spread =	**6.63**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00304	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.65	cfs
Q_{actual} (based on actual spread) =	0.65	cfs
Q_{allow} (based on allowable spread) =	2.06	cfs
Total Flow AH & BK =	1.25	cfs
Actual Spread (based on Fig. A-17) =	2.90	ft

HORIZON engineering group, inc.

PROJECT	SR 15 - From Lee Vista Blvd. to Conway Blvd.	SHEET	OF
SUBJECT	Spread for Composite Gutter Section Calculations - **BASIN 2**	JOB NO.	105.03.07
		DATE	11/16/2008
		COMPUTED BY	SLG
		CHECKED BY	PEM

Structure S2-3 AH - Sag Inlet
Sta. 2444+00.00 RT

T_{actual} = Actual Spread =	**6.40**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.60	cfs
Q_{actual} (based on actual spread) =	0.60	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Total Flow AH & BK =	1.25	cfs
Actual Spread (based on Fig. A-17) =	2.90	ft

Structure S2-4
Sta. 2445+80.00 RT

T_{actual} = Actual Spread =	**6.40**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0830	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.60	cfs
Q_{actual} (based on actual spread) =	0.60	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Intercepted Flow =	0.60	cfs
Bypass to S2-3 =	0.00	cfs

Structure S2-5
Sta. 2449+50.00 RT

T_{actual} = Actual Spread =	**6.60**	**ft**
T_{allow} = Allowable Spread =	7.00	ft
S_x = Roadway Cross Slope =	0.03	ft/ft
S_w = Gutter Cross Slope =	0.0830	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00302	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.10	cfs
Q_{actual} (based on actual spread) =	1.10	cfs
Q_{allow} (based on allowable spread) =	1.26	cfs
Intercepted Flow =	1.10	cfs
Bypass to S2-4 =	0.00	cfs

Structure S2-6 AH - Sag Inlet
Sta. 2451+60.00 LT

T_{actual} = Actual Spread =	**7.05**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00319	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.76	cfs
Q_{actual} (based on actual spread) =	0.76	cfs
Q_{allow} (based on allowable spread) =	2.16	cfs
Total Flow AH & BK =	2.16	cfs
Actual Spread (based on Fig. A-17) =	5.10	ft

Structure S2-6 BK - Sag Inlet
Sta. 2451+60.00 LT

T_{actual} = Actual Spread =	**9.10**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00344	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.40	cfs
Q_{actual} (based on actual spread) =	1.40	cfs
Q_{allow} (based on allowable spread) =	2.16	cfs
Total Flow AH & BK =	2.16	cfs
Actual Spread (based on Fig. A-17) =	5.10	ft

Structure S2-7 AH - Sag Inlet
Sta. 2454+60.00 LT

T_{actual} = Actual Spread =	**5.95**	**ft**
T_{allow} = Allowable Spread =	7.00	ft
S_x = Roadway Cross Slope =	0.03	ft/ft
S_w = Gutter Cross Slope =	0.0830	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00319	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.89	cfs
Q_{actual} (based on actual spread) =	0.89	cfs
Q_{allow} (based on allowable spread) =	1.29	cfs
Total Flow AH & BK =	2.06	cfs
Actual Spread (based on Fig. A-17) =	4.95	ft

HORIZON engineering group, inc.

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SUBJECT	Spread for Composite Gutter Section Calculations - **BASIN 2**	JOB NO.	105.03.07
		DATE	11/16/2008
		COMPUTED BY	SLG
		CHECKED BY	PEM

Structure S2-7 BK - Sag Inlet
Sta. 2454+60.00 RT

T_{actual} = Actual Spread =	**6.60**	**ft**
T_{allow} = Allowable Spread =	7.00	ft
S_x = Roadway Cross Slope =	0.03	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00344	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	1.17	cfs
Q_{actual} (based on actual spread) =	1.17	cfs
Q_{allow} (based on allowable spread) =	1.34	cfs
Total Flow AH & BK =	2.06	cfs
Actual Spread (based on Fig. A-17) =	4.95	ft

Structure S2-8
Sta. 2454+40.00 LT

T_{actual} = Actual Spread =	**5.40**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.43	cfs
Q_{actual} (based on actual spread) =	0.43	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Intercepted Flow =	0.43	cfs
Bypass to S2-6 =	0.00	cfs

Structure S2-9
Sta. 2454+40.00 RT

T_{actual} = Actual Spread =	**4.85**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.36	cfs
Q_{actual} (based on actual spread) =	0.36	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Intercepted Flow =	0.36	cfs
Bypass to S2-7 =	0.00	cfs

Structure S2-10 AH - Sag Inlet
Sta. 2455+60.00 RT

T_{actual} = Actual Spread =	**7.00**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.73	cfs
Q_{actual} (based on actual spread) =	0.73	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Total Flow AH & BK =	1.25	cfs
Actual Spread (based on Fig. A-17) =	2.90	ft

Structure S2-10 BK - Sag Inlet
Sta. 2455+60.00 RT

T_{actual} = Actual Spread =	**5.95**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.52	cfs
Q_{actual} (based on actual spread) =	0.52	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Total Flow AH & BK =	1.25	cfs
Actual Spread (based on Fig. A-17) =	2.90	ft

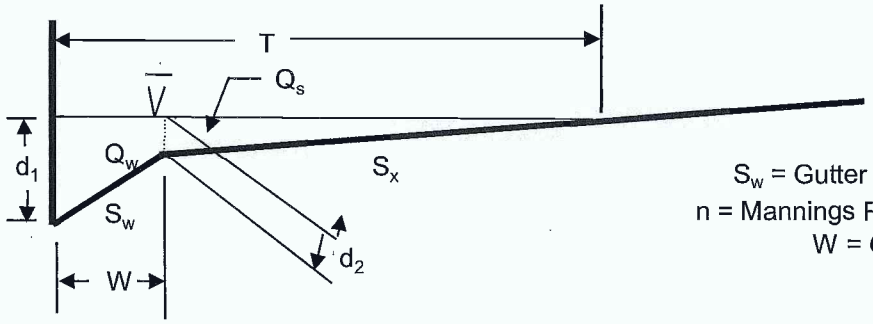
HORIZON engineering group, inc.

		SHEET	OF
		JOB NO.	105.03.07
		DATE	11/16/2008
PROJECT	SR 15 - From Lee Vista Blvd. to Conway Blvd.	COMPUTED BY	SLG
SUBJECT	Spread for Composite Gutter Section Calculations - **BASIN 2**	CHECKED BY	PEM

*Note: Intercepted flow was determined for all type 5 inlets from Figures A-11 or A-12 in the FDOT Storm Drain Handbook. Type 6 inlets broken apart by the flow from ahead of the inlet and back of the inlet and the spread immediately ahead or back of the inlet was computed. The total flow to the sag inlet was then used in conjunction with Figure A-17 in the FDOT Storm Drain Handbook to determine the spread at the sag.

HORIZON engineering group, inc.

SHEET		OF	
JOB NO.		105.03.07	
DATE		11/16/2008	
PROJECT	SR 15 - From Lee Vista Blvd. to Conway Blvd.	COMPUTED BY	SLG
SUBJECT	Spread for Composite Gutter Section Calculations - **BASIN 2**	CHECKED BY	PEM



S_w = Gutter Cross Slope = 0.083 ft/ft
n = Mannings Rough. Coef. = 0.015
W = Gutter Width = 1.5 ft

$$Q_s = \frac{S^{0.5} * 0.56 * d_2^{2.67}}{n * S_x}$$

$$Q_w = \frac{S^{0.5} * 0.56 * \left(d_1^{2.67} - d_2^{2.67}\right)}{n * S_w}$$

NOTE : Q_{actual} based on areas and runoff coef. from Storm Tabs.

Structure O2-114 AH - Sag Inlet
Sta. 453+46.00 RT

T_{actual} = Actual Spread =	**4.40**	**ft**
T_{allow} = Allowable Spread =	7.50	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.00300	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.30	cfs
Q_{actual} (based on actual spread) =	0.30	cfs
Q_{allow} (based on allowable spread) =	0.84	cfs
Total Flow AH & BK =	0.66	cfs
Actual Spread (based on Fig. A-17) =	2.20	ft

Structure O2-114 BK - Sag Inlet
Sta. 453+46.00 RT

T_{actual} = Actual Spread =	**2.60**	**ft**
T_{allow} = Allowable Spread =	7.50	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.0833	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.01700	ft/ft
W = Gutter Width =	1.5 ft	ft
Q_{actual} (based on 4 in/hr + bypass) =	0.36	cfs
Q_{actual} (based on actual spread) =	0.36	cfs
Q_{allow} (based on allowable spread) =	2.01	cfs
Total Flow AH & BK =	0.66	cfs
Actual Spread (based on Fig. A-17) =	2.20	ft

*Note: Intercepted flow was determined for all type 5 inlets from Figure A-11 in the FDOT Storm Drain Handbook. Type 6 inlets broken apart by the flow from ahead of the inlet and back of the inlet and the spread immediately ahead or back of the inlet was computed. The total flow to the sag inlet was then used in conjunction with Figure A-17 in the FDOT Storm Drain Handbook to determine the spread at the sag.

Contract 239266-4

Pipe Length Calculations

All pipe lengths shown on the stormtabs are structure to structure dimensions as computed by ASAD. J-bottom structures were all assumed in the program to have five foot inside widths. Therefore, actual pipe lengths as shown in the Contract 239266-4 plans were computed based on the actual bottom sizes and are included in this section.

Link ID	From Node			To Node			Hydraulic Length (ft)	Actual Length (ft)	Pipe Size (in)	Comments
	ID	Width/Diam (ft)	Structure Type	ID	Width/Diam (ft)	Structure Type				
R-415	O4-415	4.0	P-6	O4-417	4.0	P-5	121.3	118	18	
R-416	O4-416	3.5	J-6	O4-418	3.5	J-5	105.0	102	36	
R-417	O4-417	4.0	P-5	O4-418	5.0	J-5	76.8	73	18	
R-418	O4-418	3.5	J-5	O4-419	5.0	J-5	118.0	114	36	
R-419	O4-419	5.0	J-5	O4-420	5.0	MHJ-7	9.1	5	36	

Basin 4
Storm Sewer Calculations

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM DRAIN TABULATION FORM

Financial Prj Id: **239266-4-52-01** County: **ORANGE** Network: **O4-400** Designed by **PEM** Date: 3/23/2012
Description: **FROM SR 436 TO CONWAY R** Organization **HORIZON ENGINEERING GROUP, IN** State Road: **SR 15** Checked by: **LMHO** Date: 3/23/2012

LOCATION OF UPPER END / ALIGNMENT NAME / STATION	DIST	SD	STR. NO. / UPPER / LOWER	TYPE OF STR.	LEN. (ft.)	AREAS (Ac) C= 0.95 / C= 0.20 / C= 0.25 INC	AREAS (Ac) TOTAL	SUB-TOTAL (C*A)	TIME OF CONC (min)	TIME OF FLOW SECT. (min)	INTEN (in/hr)	TOTAL (C*A)	BASE FLOW SUMM BASE (cfs)	TOTAL FLOW (cfs)	MINOR LOSS (ft.)	INLET ELEV. (ft.)	HGL CLEAR (ft.)	HYDRAULIC GRADE CROWN / FLOWLINE UPPER (ft.)	HYDRAULIC GRADE FLOWLINE LOWER (ft.)	HYDRAULIC GRADE FLOWLINE FALL (ft.)	# B R L S	PIPE SIZE (in.) RISE / SPAN	SLOPE % HGL MIN.	ACTUAL VEL. PHYS. VEL. (fps)	FULL FLOW CAP. (cfs)	NOTES & REMARKS ZONE: 7 / FREQ. (Yrs): 10 / MANNINGS n: 0.0120 / TAILW EL (ft): 92.12
SR15CL			**O4-400**			0.03	0.03	0.03										94.35	94.29	0.06		18.00	0.043	1.14		Offsite Baseflow
				C-MOD	146.77	0.00	0.00	0.00	13.00	1.22	6.76	0.05	1.71	**2.02**	0.02	94.38	**0.03**	89.91	89.69		1		0.150		4.44	
2588+23.28	44.79	Lt.	O4-401			0.07	0.07	0.02					1.71					88.41	88.19	0.22		18.00	0.150	2.51		
SR15CL			**O4-401**			0.39	0.42	0.37										94.29	94.13	0.16		18.00	0.228	2.55		
				C-MOD	70.00	0.00	0.00	0.00	14.22	0.46	6.54	0.43	0.00	**4.50**	0.05	95.08	**0.79**	89.69	89.57		1		0.171		4.78	
2589+70	48.66	Lt.	O4-402			0.04	0.11	0.01					1.71					88.19	88.07	0.12		18.00	0.150	2.71		
SR15CL			**O4-402**			0.01	0.43	0.00										94.13	93.87	0.26		18.00	0.204	2.60		
				C-MOD	125.51	0.00	0.00	0.00	14.68	0.81	6.46	0.45	0.00	**4.59**	0.05	95.42	**1.29**	89.57	89.38		1		0.151		4.46	
2590+40	49.10	Lt.	O4-403			0.08	0.19	0.02					1.71					88.07	87.88	0.19		18.00	0.150	2.53		
SR15CL			**O4-403**			0.04	0.47	0.04										93.87	93.80	0.08		24.00	0.065	1.64		Offsite Baseflow
				C-MOD	119.91	0.00	0.00	0.00	15.49	1.00	6.33	0.49	0.37	**5.16**	0.03	94.92	**1.05**	89.88	89.69		1		0.158		9.84	
2591+65.51	48.68	Lt.	O4-404			0.01	0.20	0.00					2.08					87.88	87.69	0.19		24.00	0.102	3.13		
SR15CL			**O4-404**			0.29	0.76	0.28										93.80	93.68	0.11		24.00	0.113	2.16		
				C-MOD	101.73	0.00	0.00	0.00	16.49	0.78	6.18	0.76	0.00	**6.80**	0.04	95.44	**1.64**	89.69	89.58		1		0.108		8.20	
2592+85.25	55.14	Lt.	O4-406			0.01	0.21	0.00					2.08					87.69	87.58	0.11		24.00	0.102	2.61		
SR15CL			**O4-405**			1.12	1.12	1.06										93.80	93.68	0.12		24.00	0.265	2.80		
				DBI-F	44.43	0.61	0.61	0.12	10.00	0.26	7.41	1.19	0.00	**8.79**	0.06	94.99	**1.19**	92.80	92.70		1		0.225		12.11	
2593+86.96	101.60	Lt.	O4-406			0.00	0.00	0.00					0.00					90.80	90.70	0.10		24.00	0.102	3.86		
SR15CL			**O4-406**			0.00	1.88	0.00										93.68	93.42	0.26		30.00	0.310	3.19		
				MH-8J	85.01	0.00	0.61	0.00	17.27	0.44	6.06	1.96	0.00	**15.65**	0.16	96.78	**3.10**	90.08	90.02		1		0.071		12.17	
2593+86.96	57.17	Lt.	O4-407			0.00	0.24	0.00					3.78					87.58	87.52	0.06		30.00	0.076	2.48		
SR15CL			**O4-407**			0.08	2.19	0.08										93.42	92.95	0.47		30.00	0.234	3.56		
				J-5	199.47	0.01	0.62	0.00	17.71	0.93	6.00	2.28	0.00	**17.47**	0.16	97.27	**3.85**	90.02	89.86		1		0.080		12.75	
2593+86.96	27.84	Rt.	O4-413			0.00	0.35	0.00					3.78					87.52	87.36	0.16		30.00	0.076	2.60		
SR15CL			**O4-408**			0.02	0.23	0.02										93.43	93.42	0.01		18.00	0.175	1.02		
				C-MOD	8.53	0.00	0.00	0.00	10.47	0.07	7.30	0.25	0.00	**1.79**	0.01	96.49	**3.06**	93.60	93.50		1		1.172		16.04	
2593+86.96	36.37	Rt.	O4-407			0.07	0.11	0.02					0.00					92.10	92.00	0.10		18.00	0.150	9.08		
SR15CL			**O4-409**			0.00	0.00	0.00										93.70	93.68	0.02		18.00	0.039	0.99		
				C-MOD	50.58	0.00	0.00	0.00	10.32	0.42	7.33	0.01	0.00	**1.75**	0.01	95.35	**1.65**	92.80	92.70		1		0.198		5.24	
2594+37.46	54.27	Lt.	O4-406			0.01	0.03	0.00					1.70					91.30	91.20	0.10		18.00	0.150	2.97		
SR15CL			**O4-410**			0.21	0.21	0.20										94.53	94.36	0.17		18.00	0.241	2.44		
				C-MOD	68.86	0.00	0.00	0.00	10.00	0.47	7.41	0.21	0.00	**1.55**	0.05	95.90	**1.37**	95.40	95.28		1		0.174		4.82	
2594+55.81	34.95	Rt.	O4-408			0.04	0.04	0.01					0.00					93.90	93.78	0.12		18.00	0.150	2.73		
SR15CL			**O4-411**			0.00	0.00	0.00										93.72	93.70	0.02		18.00	0.054	0.98		Offsite Baseflow
				C-MOD	38.86	0.00	0.00	0.00	10.00	0.32	7.41	0.00	1.70	**1.74**	0.01	95.57	**1.85**	92.90	92.80		1		0.257		5.93	
2594+76.31	55.11	Lt.	O4-409			0.02	0.02	0.00					1.70					91.40	91.30	0.10		18.00	0.150	3.35		
SR15CL			**O4-412**			0.33	0.33	0.31										93.24	93.20	0.04		18.00	0.063	1.33		
				P-5	69.38	0.02	0.02	0.00	10.00	0.58	7.41	0.32	0.00	**2.35**	0.01	96.03	**2.79**	93.18	93.08		1		0.144		4.42	
2595+86.39	52.93	Lt.	O4-415			0.00	0.00	0.00					0.00					91.68	91.58	0.10		18.00	0.150	2.50		
SR15CL			**O4-413**			0.19	2.38	0.18										92.95	92.80	0.15		36.00	0.174	2.92		Offsite Wachovia Pond
				J-5	85.63	0.02	0.64	0.00	18.65	0.49	5.88	2.47	2.36	**20.63**	0.08	96.02	**3.07**	90.36	90.29		1		0.082		21.29	
2595+86.39	23.72	Rt.	O4-416			0.00	0.35	0.00					6.14					87.36	87.29	0.07		36.00	0.059	3.01		

Units: ENGLISH

HGL method: Do NOT jump to pipe crown.

Automated Storm sewer Analysis & Design (ASAD), copyright 1992-2007, Hiteshew Engineering Systems, Inc. Ph: (352) 383-4191
Portions of ASAD were developed by Kenneth J. Leeming, P.E. at International Engineering Consultants, Inc.

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM DRAIN TABULATION FORM

Financial Prj Id: **239266-4-52-01** County: **ORANGE** Network: **O4-400** Designed by **PEM** Date: 3/23/2012
Description: **FROM SR 436 TO CONWAY R** Organization **HORIZON ENGINEERING GROUP, IN** State Road: **SR 15** Checked by: **LMHO** Date: 3/23/2012

LOCATION OF UPPER END / ALIGNMENT NAME / STATION	DIST	SD	STR. NO. / UPPER / LOWER	TYPE OF STR.	LEN. (ft.)	AREAS (Ac) C= 0.95 / C= 0.20 / C= 0.25 INC	AREAS (Ac) TOTAL	SUB-TOTAL (C*A)	TIME OF CONC (min)	TIME OF FLOW SECT. (min)	INTEN (in/hr)	TOTAL (C*A)	BASE FLOW SUMM BASE (cfs)	TOTAL FLOW (cfs)	MINOR LOSS (ft.)	INLET ELEV. (ft.)	HGL CLEAR (ft.)	HYDRAULIC GRADE CROWN / FLOWLINE UPPER (ft.)	HYDRAULIC GRADE LOWER (ft.)	HYDRAULIC GRADE FALL (ft.)	# BR L S	PIPE SIZE (in.) RISE SPAN	SLOPE % HGL MIN.	ACTUAL VEL. PHYS. VEL. (fps)	FULL FLOW CAP. (cfs)	NOTES & REMARKS / ZONE: 7 / FREQ. (Yrs): 10 / MANNINGS n: 0.0240 / TAILW EL (ft): 92.12
SR15CL			**O4-414**			0.00	0.00	0.00										92.95	92.95	0.00		12.00	0.000	0.00		Wachovia Bank Control Str
				DBI-C	16.58	0.00	0.00	0.00	10.00	0.14	7.41	0.00	0.00	**0.00**	0.00	96.63	**3.68**	93.08	92.65		1		2.593		3.50	ucture
2595+86.39	40.30	Rt.	O4-413			0.00	0.00	0.00					0.00					92.08	91.65	0.43		12.00	1.030	4.46		
SR15CL			**O4-415**			0.22	0.55	0.21										93.20	93.02	0.18		18.00	0.145	2.18		
				P-6	121.28	0.02	0.04	0.00	10.58	0.93	7.27	0.53	0.00	**3.86**	0.04	95.90	**2.70**	93.08	92.90		1		0.148		4.44	
2596+55.75	54.42	Lt.	O4-417			0.00	0.00	0.00					0.00					91.58	91.40	0.18		18.00	0.150	2.51		
SR15CL			**O4-416**			0.30	2.68	0.29										92.80	92.63	0.18		36.00	0.167	3.14		TW = HGL in EX360 from Co
				J-6	105.02	0.04	0.68	0.01	19.14	0.56	5.81	2.76	0.00	**22.18**	0.08	95.85	**3.05**	90.29	90.20		1		0.086		21.68	nway Rd. Calcs.
2596+72	22.00	Rt.	O4-418			0.00	0.35	0.00					6.14					87.29	87.20	0.09		36.00	0.059	3.07		
SR15CL			**O4-417**			0.18	0.73	0.17										93.02	92.78	0.24		18.00	0.319	2.81		
				P-5	76.83	0.01	0.05	0.00	11.50	0.46	7.06	0.70	0.00	**4.97**	0.10	96.26	**3.24**	92.90	92.78		1		0.156		4.62	
2597+77	57.03	Lt.	O4-418			0.00	0.00	0.00					0.00					91.40	91.28	0.12		18.00	0.150	2.61		
SR15CL			**O4-418**			0.12	3.53	0.11										92.63	92.31	0.32		36.00	0.269	3.78		Alt. B, 3.5'x5'
				J-5	117.97	0.06	0.79	0.01	19.69	0.52	5.74	3.59	0.00	**26.75**	0.16	96.08	**3.45**	90.20	90.10		1		0.085		21.50	
2597+77	19.80	Rt.	O4-419			0.00	0.35	0.00					6.14					87.20	87.10	0.10		36.00	0.059	3.04		
SR15CL			**O4-419**			0.03	3.56	0.03										92.31	92.12	0.19		36.00	2.091	3.78		Alt. B, 5'x5'
				J-5	9.08	0.01	0.80	0.00	20.21	0.00	5.68	3.62	0.00	**26.70**	0.18	96.50	**4.19**	90.10	90.08		1		0.220		39.83	
2598+94.91	16.03	Rt.	O4-420			0.00	0.35	0.00					6.14					87.10	87.08	0.02		36.00	0.059	5.64		

Units: ENGLISH

HGL method: Do NOT jump to pipe crown.

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Portions of ASAD were developed by Kenneth J. Leeming, P.E. at International Engineering Consultants, Inc.

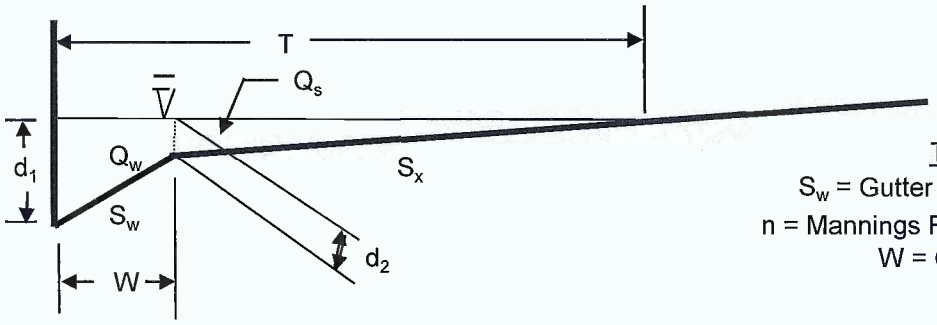
Basin 4
Spread Calculations

HORIZON engineering group, inc.

SHEET	1	OF	3
JOB NO.	105.03.07		
DATE	9/11/2008		
COMPUTED BY	ACT		
CHECKED BY	PEM		

PROJECT SR 15 - From Lee Vista Blvd. to Conway Blvd.

SUBJECT Spread for Composite Gutter Section Calculations - **BASIN 4**



Typical Values

S_w = Gutter Cross Slope = 0.083 ft/ft

n = Mannings Rough. Coef. = 0.015

W = Gutter Width = 1.5 ft

$$Q_s = \frac{S^{0.5} * 0.56 * d_2^{2.67}}{n * S_x}$$

$$Q_w = \frac{S^{0.5} * 0.56 * \left(d_1^{2.67} - d_2^{2.67}\right)}{n * S_w}$$

NOTE : Q_{actual} based on areas and runoff coef. from Storm Tabs.

Structure O4-412

Sta. 2595+86.39 LT

T_{actual} = Actual Spread =	**8.52**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0039	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	1.39	cfs
Q_w =	0.95	cfs
Q_{actual} (based on 4 in/hr + bypass) =	1.28	cfs
Q_{actual} (based on actual spread) =	1.28	cfs
Q_{allow} (based on allowable spread) =	2.34	cfs
Intercepted Flow =	1.28	cfs
Bypass to O4-415 =	0.00	cfs

Structure O4-407

Sta. 2593+86.96 RT

T_{actual} = Actual Spread =	**4.10**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0043	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	1.46	cfs
Q_w =	1.00	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.32	cfs
Q_{actual} (based on actual spread) =	0.32	cfs
Q_{allow} (based on allowable spread) =	2.46	cfs
Intercepted Flow =	0.32	cfs
Bypass to O4-413 =	**0.00**	**cfs**

HORIZON engineering group, inc.

SHEET	2	OF	3
JOB NO.	105.03.07		
DATE	9/11/2008		
COMPUTED BY	ACT		
CHECKED BY	PEM		

PROJECT SR 15 - From Lee Vista Blvd. to Conway Blvd.

SUBJECT Spread for Composite Gutter Section Calculations - **BASIN 4**

Structure O4-415 Sag BK
Sta. 2596+55.75 LT

T_{actual} = Actual Spread =	**6.45**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0005	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	0.47	cfs
Q_w =	0.32	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.24	cfs
Q_{actual} (based on actual spread) =	0.24	cfs
Q_{allow} (based on allowable spread) =	0.79	cfs
Total Flow (AH & BK) =	0.86	cfs
Actual Spread (Based on Fig A-17) =	2.15	ft

Structure O4-413
Sta. 2595+86.39 RT

T_{actual} = Actual Spread =	**6.59**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0042	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	1.43	cfs
Q_w =	0.98	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.76	cfs
Q_{actual} (based on actual spread) =	0.76	cfs
Q_{allow} (based on allowable spread) =	2.41	cfs
Intercepted Flow =	0.76	cfs
Bypass to O4-416 =	0.00	cfs

Structure O4-415 Sag AH
Sta. 2596+70.00 LT

T_{actual} = Actual Spread =	**10.00**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0004	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	0.46	cfs
Q_w =	0.32	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.62	cfs
Q_{actual} (based on actual spread) =	0.62	cfs
Q_{allow} (based on allowable spread) =	0.78	cfs
Total Flow (AH & BK) =	0.86	cfs
Actual Spread (Based on Fig A-17) =	2.15	ft

Structure O4-416 Sag BK
Sta. 2596+70.00 RT

T_{actual} = Actual Spread =	**9.83**	
T_{allow} = Allowable Spread =	11.00	**ft**
S_x = Roadway Cross Slope =	0.02	ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0004	ft/ft
W = Gutter Width =	1.5 ft	ft/ft
d_1 =	0.31	
d_2 =	0.19	ft
Q_s =	0.44	ft
Q_w =	0.30	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.57	cfs
Q_{actual} (based on actual spread) =	0.57	cfs
Q_{allow} (based on allowable spread) =	0.75	cfs
Total Flow (AH & BK) =	1.18	cfs
Actual Spread (Based on Fig A-17) =	2.65	ft

HORIZON engineering group, inc.

PROJECT	SR 15 - From Lee Vista Blvd. to Conway Blvd.	SHEET	3 OF 3
SUBJECT	Spread for Composite Gutter Section Calculations - **BASIN 4**	JOB NO.	105.03.07
		DATE	9/11/2008
		COMPUTED BY	ACT
		CHECKED BY	PEM

Structure O4-417
Sta. 2597+77.00 LT

T_{actual} = Actual Spread =	**6.25**	**ft**
T_{allow} = Allowable Spread =	11.00	ft
S_x = Roadway Cross Slope =	0.02	ft/ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0041	ft/ft
W = Gutter Width =	1.5 ft	ft
d_1 =	0.31	ft
d_2 =	0.19	ft
Q_s =	1.42	cfs
Q_w =	0.97	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.67	cfs
Q_{actual} (based on actual spread) =	0.67	cfs
Q_{allow} (based on allowable spread) =	2.40	cfs
Intercepted Flow =	0.67	cfs
Bypass to O4-415 =	0.00	cfs

Structure O4-416 Sag AH
Sta. 2596+70.00 RT

T_{actual} = Actual Spread =	**10.05**	
T_{allow} = Allowable Spread =	11.00	**ft**
S_x = Roadway Cross Slope =	0.02	ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.0004	ft/ft
W = Gutter Width =	1.5 ft	ft/ft
d_1 =	0.31	
d_2 =	0.19	ft
Q_s =	0.44	ft
Q_w =	0.30	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.60	cfs
Q_{actual} (based on actual spread) =	0.60	cfs
Q_{allow} (based on allowable spread) =	0.75	cfs
Total Flow (AH & BK) =	1.18	cfs
Actual Spread (Based on Fig A-17) =	2.65	ft

Structure O4-418
Sta. 2597+77.00 RT

T_{actual} = Actual Spread =	**5.80**	
T_{allow} = Allowable Spread =	11.00	**ft**
S_x = Roadway Cross Slope =	0.02	ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.003	ft/ft
W = Gutter Width =	1.5 ft	ft/ft
d_1 =	0.31	
d_2 =	0.19	ft
Q_s =	1.21	ft
Q_w =	0.83	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.50	cfs
Q_{actual} (based on actual spread) =	0.50	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Intercepted Flow =	0.50	cfs
Bypass to O4-416 =	0.00	cfs

Structure O4-419
Sta. 2598+94.91 RT

T_{actual} = Actual Spread =	**2.50**	
T_{allow} = Allowable Spread =	11.00	**ft**
S_x = Roadway Cross Slope =	0.02	ft
S_w = Gutter Cross Slope =	0.083	ft/ft
n = Mannings roughness coefficient =	0.015	
S = Longitudinal Roadway Slope =	0.003	
W = Gutter Width =	1.5 ft	ft/ft
d_1 =	0.31	
d_2 =	0.19	ft
Q_s =	1.21	ft
Q_w =	0.83	cfs
Q_{actual} (based on 4 in/hr + bypass) =	0.14	cfs
Q_{actual} (based on actual spread) =	0.14	cfs
Q_{allow} (based on allowable spread) =	2.04	cfs
Intercepted Flow =	0.14	cfs
Bypass to O4-418 =	0.00	cfs