



**ALDAY-HOWELL
ENGINEERING, INC.**

Civil Engineering
Site and Subdivision Design
Environmental Permitting
Land Use Planning

Stormwater Report

Crump Road – Convenience Store Leon County, Florida

PREPARED FOR:

William Glen Brown.
2802 Topaz Way
Tallahassee, FL 32309

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Offices/Mailing
Addresses:

2860 Hwy. 71 North, Suite B
Marianna, FL 32446
info@aldayhowell.com

Post Office Box 494
Marianna, FL 32447

Ph. (850) 526-2040
Fax. (850) 526-4740

CRUMP ROAD- CONVENIENCE STORE

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Crump Road – Convenience Store Stormwater Narrative

April 30, 2014

The subject project is proposed on a 2.0 acre portion of the 6.58 acre parent parcel (1204200180000). The proposed site is located just north of the northeast corner of the intersection of Miccosukee Road and Crump Road in Leon County, FL. The proposed project involves the construction of a 2,904 SF convenience store and 7 fueling stations with the associated parking, sidewalks, and a retention stormwater management facility. The developer and owner of the property is William Glen Brown.

Pre-Development Site Conditions:

From review of Leon County GIS, NFWFMD GIS and surveyed data the site is located at the crest of a hill on Crump Road and the runoff within the right-of-way discharges to the north and south. The remainder of the runoff from the site is contained within the confinements of a “closed basin” and only discharges via a saddle condition to the northeast during the 100yr/24hr storm event. The runoff that discharges at the saddle location then cascades through a system of depressions and into a tributary that feeds the St. Marks River. The site is located within the Bird Sink Basin, more particularly within the Black Creek Watershed. According to the NRCS web soil survey, the predominant soil type for the site is Norfolk loamy sand, clayey substratum. There are several scattered permit size trees located on the property as shown on the survey. No significant wildlife or listed species were observed on the site.

Post-Development Site Conditions:

The proposed site development is the construction of a 2,904 sf convenience store with ten (10) regular off-street and one (1) ADA parking spaces. The proposed total impervious area is 22,163 sf. Due to the topography of the site, the proposed method of stormwater management is a shallow retention stormwater management facility (SWMF). The SWMF is located to the east/rear of the building in the existing low area. The site is graded such that the vehicular use area and interior islands in the front of the building drains to three (3) concrete flumes. Two (2) of these flumes drain south into a swale sized to convey the runoff to the proposed SWMF. The third concrete flume discharges directly into the SWMF. The contributing runoff for the flumes and swales is calculated per the sub-basin areas provided within the stormwater calculations and drainage area map and were sized using Bentley Flowmaster V8i. The provided FlowMaster calculations are for a flume with a minimum 1.0% slope, normal depth of 0.45 ft and critical depth of 0.53 ft which discharges a maximum allowable flow rate of 3.31 cfs. All of the proposed flumes have 25yr/24hr design flows less than that of the above mentioned conceptual model and are steeper than the minimum 1.0% slope and are therefore considered adequate. Runoff generated by the pump canopy is to be

piped directly to the south swale and SWMF using 8" roof drains. The roof drains were modeled in FlowMaster using a minimum 1.0% slope and the maximum 25yr/24hr design storm flow rate of 0.70 cfs. The proposed roof drains from the building, which discharge directly into the SWMF, have considerably less contributing drainage area than the pump canopy and, therefore, were not redundantly modeled given the previously calculated capacity. The sum of the contributing sub-basin flows was used to size the south swale using triangular shaped open channel simulations in FlowMaster with the 25yr/24hr design flows. The designed minimum 1' deep, south swale resulted in a normal depth of 0.54. The pre-treatment storm pipe network was modelled and evaluated for efficiency using Hydraflow with the 50yr/24hr storm event peak stage as the tailwater condition. A Stormceptor EOS 4-175 structure is proposed to remove petroleum products resulting from potential spills at the fuel stations and UST. Rinker Materials advised that the Stormceptor EOS 4-175 would be the best suited structure for this application since the EOS model provides "Extended Oil Storage". The SWMF is designed to attenuate post-development runoff generated by storms up to and including the 100yr/24hr design storm. The side slopes of the pond are designed at 4H:1V.

Pre-Post Stormwater Analysis:

For the purposes of pre-development and post-development consistent comparison, the total 3.40 acre area of the closed basin was evaluated. The pre-development basin included a small amount of existing impervious area combined with the existing HSG B, Norfolk loamy sand to produce a 61.39 CN. The stage/storage for the pre-development area was calculated using a combination of survey topography and NFWFMD Lidar contours. The post-development basin included the proposed impervious area and HSG B, Norfolk loamy sand to produce a weighted 66.50 CN. The post-development stage/storage area was calculated using a combination of the proposed contours in the disturbed area and NFWFMD Lidar in the undisturbed area.

Per Leon County LDC 10-4.301(2)(iii) and using the total basin area of 3.40 ac., the treatment volume was calculated to be 5,228 cf. By interpolation, a treatment volume depth was calculated to be 4.09 inches within the proposed SWMF. The previous Stormwater Calculations submittal included the recommended design infiltration rate of 0.28 in/hr. This rate was based on the suggested Factor of Safety of 4.0. However, upon receiving comments from your office, the SWMF has been redesigned and now includes a large amount of undisturbed area. After reviewing the design revisions and the reduction of impact to natural soil, the geotechnical engineer now suggests a Factor of Safety of 2.5. Therefore, the provided calculations are now based on the infiltration rate of 0.44 in/hr. With this rate, a treatment volume recovery time of 9.30 hours was determined which is well within the required 72 hour timeframe. A signed and sealed letter of recommendation from the geotechnical engineer will be provided with this submittal.

The volume control, peak stage of the low area, and rate control were analyzed using ICPR V3.10 simulations for all design storms up to and including the 100yr/24hr storm. After review of the ICPR output reports and provided Pre-Post Comparison Table, the SWMF only discharges during the 100yr/24hr design storm event. However, the pre-post comparison table demonstrates that the peak stage, volume of discharge off-site ("Node Total Inflow"), and maximum outflow ("Channel Max. Outflow") are all reduced in the post development condition. Therefore, the proposed SWMF exceeds the requirements of the closed basin standards for volume control per Leon County LDC 10-4.301(3)(b). Also, the comparison table confirms that the peak stage of the on-site "semi" closed basin is reduced due to the added storage volume of the proposed SWMF. A time series report for the SWMF node in ICPR shows that 62.10 hours after (86.10 hours from the beginning of the simulation) a 100yr/24hr storm event, all volume within the pond has been recovered.

The construction plans require silt fence to be placed by the contractor along the north perimeter of the site prior to construction to prevent erosion and silt from entering the adjacent properties. These controls are required to be maintained by the contractor throughout the life of the project and removed once the site has been stabilized.

In conclusion, the proposed development's stormwater management system has been designed so that no off-site adverse impacts are anticipated.

Pre-Development Calculations for Crump Road - Convenience Store

AHE Project #13-034

Prepared By: ECW

Date:

4/30/2014

Purpose: To determine pre-development curve number for input into ICPR3

Methodology: SCS Runoff Curve Number

Pre-Development Calculations for the 100-year/24-hour Design Storm Event

Drainage Basin Area = **3.40** Acres

Pre-Development Conditions

Curve Number (CN) = **61.39** (See Below)

S=(1000/CN)-10= **6.29**

P (Rainfall in inches)
100yr/24hr= **10.9** inches (From Leon County Rainfall Depths)

Q (Runnoff in inches)
Q=((P-0.2S)^2)/(P+0.8S)
Qpre= **5.84** inches

Pre Basin CN Calculations				
Coverage Description	Soil and Hydrologic Soil Group	CN	Area	(Rational) "C"
Open Space, good grass cover	Soil Type B	61	3.36	0.17
Impervious Area	Exiting Buildings	98	0.03	0.95
Impervious Area	Vehicular Use Area/Misc. Impervious	98	0.01	0.95

Total Acreage

3.40

Weighted CN

61.39

Weighed "C"

0.18

Post-Development Calculations for Crump Road - Convenience Store

AHE Project #13-034

Prepared By: ECW

Date:

4/30/2014

Purpose: To determine post-development curve number for input into ICPR3 and to estimate pond storage volume based on pre-post difference in runoff volume.

Methodology: SCS Runoff Curve Number

Pre - Post Calculations for the 100-year/24-hour Design Storm Event

Drainage Basin Area = **3.40** Acres

Pre-Development Conditions

Curve Number (CN) = **61.39**

$S = (1000/CN) - 10 =$ **6.29**

P (Rainfall in inches)
 $100\text{yr}/24\text{hr} =$ **10.9** inches (From Leon County Rainfall Depths)

Q (Runoff in inches)
 $Q = ((P - 0.2S)^2) / (P + 0.8S)$
 $Q_{pre} =$ **5.84** inches

Post-Development Conditions

Curve Number (CN)= **66.50** weighted (See below)

$S =$ **5.04**

$Q_{post} =$ **6.55** inches

$Q_{tr} =$ **0.56** inches (Per LDC Sec. 10-4.301(2)(iii); $P = 3$ inches)

$Q_{post} - Q_{pre} =$ **0.72** inches

Attenuation Volume (V_r)=($Q_{post} - Q_{pre}$)*Area*3630(conversion factor)

$V_r =$ **8,875** CF

$V_{tr} =$ **6,970** CF ($Q_{tr} * \text{Area} * 3630(\text{conversion factor})$)

Post Basin CN Calculations					(Rational)
Coverage Description	Soil and Hydrologic Soil Group	CN	Area	"C"	
Open Space, good grass cover	Soil Type B	61	2.89	0.17	
Impervious Area	Proposed Buildings	98	0.07	0.95	
Impervious Area	Vehicular Use Area/Misc. Impervious	98	0.44	0.95	

Total Acreage

3.40

Weighted CN

66.50

Weighed "C"

0.29

Purpose: To determine treatment volume

Methodology: Rational

Dry Pond Treatment Volume

Leon County Treatment Volume: $0.75 * V_{tr}$

5,228 CF

Leon County Treatment Volume: $1.125" * \text{Area} (\text{Acres}) * 3630 (\text{conv. factor}) =$

13,885 CF

Pre-Development Stage/Area/Storage Calculations for Crump Road - Convenience Store

AHE Project #13-034

Prepared By: ECW

Date: 4/30/2014

Purpose: To determine pre-development stage areas and perc rates for ICPR input.

Methodology: SCS Runoff Curve Number

FS= 2.5 As suggested by Alpha Geotechnical and Testing Services, Inc. Report dated February 18, 2014

Low Area Calculations					
Stage (FT)	Area (SF)	Volume (CF)	Total Vol. (CF)	Area (Acres)	Perc Rate (cfs)
177.50	0	0	0	0.00	0.000
178.00	2,850	713	713	0.07	0.029
179.00	10,950	6,900	7,613	0.25	0.112
180.00	44,342	27,646	35,259	1.02	0.452
181.00	66,386	55,364	90,623	1.52	0.676
182.00	88,344	77,365	167,988	2.03	0.900

Post-Development Stage/Area/Storage Calculations for Crump Road - Convenience Store

AHE Project #13-034

ECW

Date:

4/30/2014

Purpose: To determine post-development stage areas and perc rates for ICPR input and calculate total drawdown time.

SWMF Calculations					
Stage (FT)	Area (SF)	Volume (CF)	Total Vol. (CF)	Perc Rate (cfs)	Area (Acres)
178.00	12,446	0	0	0.127	0.29
179.00	18,219	15,333	15,333	0.186	0.42
180.00	42,178	30,199	45,531	0.430	0.97
181.00	72,660	57,419	102,950	0.740	1.67
182.00	93,719	83,190	186,140	0.955	2.15

100yr24hr Attenuation Volume =	8,875	CF
Leon County Treatment Volume =	5,228	CF
Leon County Treatment Volume Elev. =	178.34	ft
Leon County Treatment Depth =	0.34	ft
		= 4.09 inches

Retention Recovery Calculations (Per 13.3.3 of A.H. Volume II)

$Id = Kv_u/FS$	where:	$Id =$ $Kv_u =$	0.44 1.10	in/hr (Design Infiltration Rate) in/hr (Unsaturated Vertical Hydraulic Conductivity from Geotech Report)
		$FS =$	2.5	As suggested by Alpha Geotechnical and Testing Services, Inc. Report
		$hv =$		4.09 inches (Height of treatment volume above pond bottom)
$tsat = f * hb / Id$	where:	$tsat =$ $f =$ $hb =$	65.45 0.20 144	hours (time to saturate soil below the fillable porosity (generally 0.2 to 0.3) inches (Height of basin bottom above the aquitard))
$V_u = Ab * hb * f$	where	$V_u =$ $Ab =$	29,870 12,446	CF (Volume of water required to saturate the soil below the basin) SF (Area of basin bottom)
$Tv = 5,228$	<	$V_u =$	29,870	The treatment storage will occur under vertical unsaturated flow conditions
		Total drawdown time =	9.30	hrs
			7.74	

Pre-Development TC Calculations for Crump Road - Convenience Store

AHE Project #13-034

Project : **CRUMP ROAD**
 Computations For : **Pre-Development Conditions**

Date : **4/30/2014**
 By : **ECW**

Sheet Flow
 2 yr., 24 hr. Intensity **4.75**
 Flow Length (ft.) **300**
 Land Slope (ft./ft.) **0.0268**
 n (Mannings Roughness) **F**

T1 **0.42 hr.**

Shallow Concentrated Flow
 Surface Code **U**
 Flow Length (ft.) **22**
 Land Slope (ft./ft.) **0.0268**
 Average Velocity **2.6 ft/s**

T2 **0.00 hr.**

Shallow Concentrated Flow
 Surface Code _____
 Flow Length (ft.) _____
 Land Slope (ft./ft.) _____
 Average Velocity _____

T3

Shallow Concentrated Flow
 Surface Code _____
 Flow Length (ft.) _____
 Land Slope (ft./ft.) _____
 Average Velocity _____

T4

Open Channel Flow
 Cross Sectional _____
 Flow Area _____
 Wetted Perimeter _____
 Hydraulic Radius _____
 n (Mannings Roughness) _____
 Land Slope (ft./ft.) _____
 Average Velocity _____
 Flow Length (ft.) _____

T5

Open Channel Flow
 Cross Sectional _____
 Flow Area _____
 Wetted Perimeter _____
 Hydraulic Radius _____
 n (Mannings Roughness) _____
 Land Slope (ft./ft.) _____
 Average Velocity _____
 Flow Length (ft.) _____

T6

Open Channel Flow
 Cross Sectional _____
 Flow Area _____
 Wetted Perimeter _____
 Hydraulic Radius _____
 n (Mannings Roughness) _____
 Land Slope (ft./ft.) _____
 Average Velocity _____
 Flow Length (ft.) _____

T7

*T1 = Travel Time in existing system
 (see stormtabs for basin 1A)

Sheet Flow Surface Codes	
For Mannings Roughness	
Surface Code	N
A Smooth Surface (0.011)	0.011
B Fallow (No Res.)	0.005
C Cultivated < 20% Res.	0.06
D Cultivated > 20% Res.	0.17
E Grass-Range, Short	0.15
F Grass-Dense	0.24
G Grass, Burmuda	0.41
H Woods, Light	0.4
I Woods, Dense	0.8

T_n= **0.42 hr. 25 Min.**
If T_n < 10 Use 10 Min.

Shallow Concentrated Surface Codes

P Paved
 U Unpaved

Post-Development TC Calculations for Crump Road - Convenience Store

AHE Project #13-034

Project : **CRUMP ROAD**

Computations For : **Post-Development Conditions**

Date : **4/30/2014**
By : **ECW**

Sheet Flow
 2 yr., 24 hr. Intensity **4.75**
 Flow Length (ft.) **299.11**
 Land Slope (ft./ft.) **0.0268**
 n (Mannings Roughness) **F**

T1 **0.42 hr.**

Shallow Concentrated Flow
 Surface Code **U**
 Flow Length (ft.)
 Land Slope (ft./ft.) **0.0268**
 Average Velocity **2.6 ft/s**

T2

Shallow Concentrated Flow
 Surface Code
 Flow Length (ft.)
 Land Slope (ft./ft.)
 Average Velocity

T3

Shallow Concentrated Flow
 Surface Code
 Flow Length (ft.)
 Land Slope (ft./ft.)
 Average Velocity

T4

Open Channel Flow
 Cross Sectional Flow Area
 Wetted Perimeter
 Hydraulic Radius
 n (Mannings Roughness)
 Land Slope (ft./ft.)
 Average Velocity
 Flow Length (ft.)

T5

Open Channel Flow
 Cross Sectional Flow Area
 Wetted Perimeter
 Hydraulic Radius
 n (Mannings Roughness)
 Land Slope (ft./ft.)
 Average Velocity
 Flow Length (ft.)

T6

Open Channel Flow
 Cross Sectional Flow Area
 Wetted Perimeter
 Hydraulic Radius
 n (Mannings Roughness)
 Land Slope (ft./ft.)
 Average Velocity
 Flow Length (ft.)

T7

*T1 = Travel Time in existing system
(see stormtabs for basin 1A)

Sheet Flow Surface Codes	
For Mannings Roughness	
Surface Code	N
A Smooth Surface (0.011)	0.011
B Fallow (No Res.)	0.005
C Cultivated < 20% Res.	0.06
D Cultivated > 20% Res.	0.17
E Grass-Range, Short	0.15
F Grass-Dense	0.24
G Grass, Burmuda	0.41
H Woods, Light	0.4
I Woods, Dense	0.8

T_n= **0.42 hr. 25 Min.**
If T_n < 10 Use 10 Min.

Shallow Concentrated Surface Codes

P Paved
U Unpaved

Pre-Post Comparison Table for Crump Road - Convenience Store

AHE Project #13-034

Prepared By: ECW

Date: 4/30/2014

Because the project is within a closed basin, stormwater system post-development runoff is limited to the pre-development critical storm peak discharge rate and volume up to and including the 100yr/24hr design storm (see ICPR Node Min/Max Report)

Design Storm	Channel Max. Outflow (cfs)			Node Max. Stage (ft)		*Node Total Inflow (ft ³)		
	Pre	Post	Low Area	SWMF	Pre Boundary	Post Boundary		
2-yr 1-hr	0	≥	0	178.21	≥	178.18	0.00	≥ 0.00
2-yr 2-hr	0	≥	0	178.62	≥	178.41	0.00	≥ 0.00
2-yr 4-hr	0	≥	0	178.88	≥	178.59	0.00	≥ 0.00
2-yr 8-hr	0	≥	0	179.12	≥	178.77	0.00	≥ 0.00
2-yr 24-hr	0	≥	0	179.16	≥	178.74	0.00	≥ 0.00
5-yr 1-hr	0	≥	0	178.51	≥	178.36	0.00	≥ 0.00
5-yr 2-hr	0	≥	0	178.94	≥	178.65	0.00	≥ 0.00
5-yr 4-hr	0	≥	0	179.25	≥	178.97	0.00	≥ 0.00
5-yr 8-hr	0	≥	0	179.49	≥	179.29	0.00	≥ 0.00
5-yr 24-hr	0	≥	0	179.53	≥	179.33	0.00	≥ 0.00
10-yr 1-hr	0	≥	0	178.74	≥	178.51	0.00	≥ 0.00
10-yr 2-hr	0	≥	0	179.16	≥	178.86	0.00	≥ 0.00
10-yr 4-hr	0	≥	0	179.42	≥	179.20	0.00	≥ 0.00
10-yr 8-hr	0	≥	0	179.65	≥	179.49	0.00	≥ 0.00
10-yr 24-hr	0	≥	0	179.74	≥	179.60	0.00	≥ 0.00
25-yr 1-hr	0	≥	0	179.01	≥	178.71	0.00	≥ 0.00
25-yr 2-hr	0	≥	0	179.35	≥	179.11	0.00	≥ 0.00
25-yr 4-hr	0	≥	0	179.65	≥	179.48	0.00	≥ 0.00
25-yr 8-hr	0	≥	0	179.90	≥	179.80	0.00	≥ 0.00
25-yr 24-hr	0	≥	0	179.91	≥	179.82	0.00	≥ 0.00
50-yr 1-hr	0	≥	0	179.13	≥	178.84	0.00	≥ 0.00
50-yr 2-hr	0	≥	0	179.49	≥	179.28	0.00	≥ 0.00
50-yr 4-hr	0	≥	0	179.76	≥	179.62	0.00	≥ 0.00
50-yr 8-hr	0	≥	0	180.02	≥	179.94	0.00	≥ 0.00
50-yr 24-hr	0	≥	0	180.10	≥	180.04	0.00	≥ 0.00
100-yr 1-hr	0	≥	0	179.27	≥	179.01	0.00	≥ 0.00
100-yr 2-hr	0	≥	0	179.64	≥	179.47	0.00	≥ 0.00
100-yr 4-hr	0	≥	0	179.93	≥	179.82	0.00	≥ 0.00
100-yr 8-hr	0	≥	0	180.18	≥	180.13	0.00	≥ 0.00
100-yr 24-hr	0.088	≥	0.01	180.30	≥	180.27	740.52	≥ 43.56

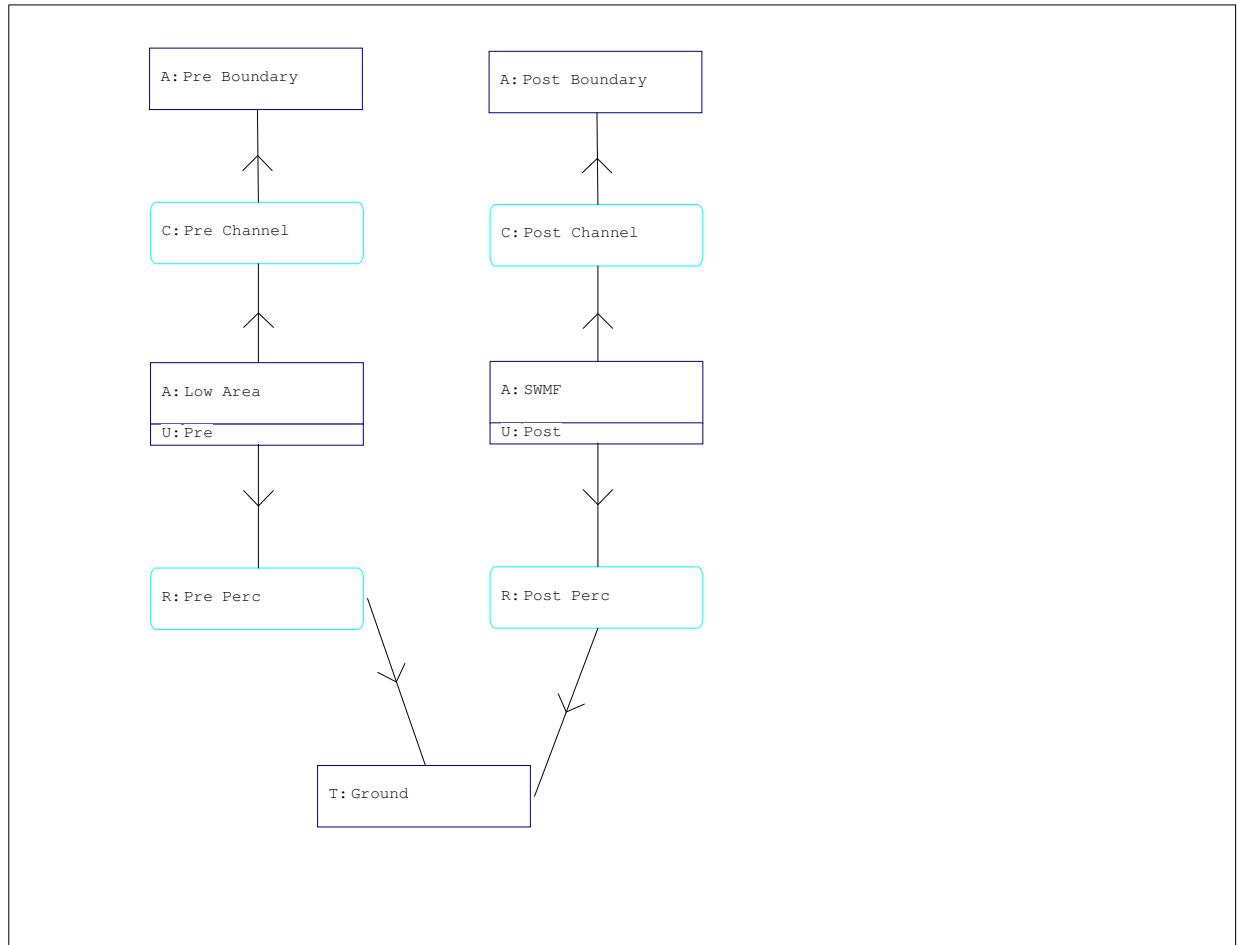
*Volume derived from final depth (ft) of Pre Boundary and Post Boundary nodes times the uniform 1 acre (43,560 sf) stage area increments.

Node/Link Diagram

Nodes
 A Stage/Area
 V Stage/Volume
 T Time/Stage
 M Manhole

Basins
 O Overland Flow
 U SCS Unit CN
 S SBUH CN
 Y SCS Unit GA
 Z SBUH GA

Links
 P Pipe
 W Weir
 C Channel
 D Drop Structure
 B Bridge
 R Rating Curve
 H Breach
 E Percolation
 F Filter
 X Exfil Trench



=====
==== Basins =====
=====

Name: Post Group: BASE	Node: SWMF Type: SCS Unit Hydrograph CN	Status: Onsite
Unit Hydrograph: Uh323 Rainfall File: Rainfall Amount(in): 0.000 Area(ac): 3.400 Curve Number: 66.50 DCIA(%): 0.00	Peaking Factor: 323.0 Storm Duration(hrs): 0.00 Time of Conc(min): 25.00 Time Shift(hrs): 0.00 Max Allowable Q(cfs): 999999.000	

Name: Pre Group: BASE	Node: Low Area Type: SCS Unit Hydrograph CN	Status: Onsite
Unit Hydrograph: Uh323 Rainfall File: Rainfall Amount(in): 0.000 Area(ac): 3.400 Curve Number: 61.39 DCIA(%): 0.00	Peaking Factor: 323.0 Storm Duration(hrs): 0.00 Time of Conc(min): 25.00 Time Shift(hrs): 0.00 Max Allowable Q(cfs): 999999.000	

Curve # for Type A Soils, weighted see calculations

=====
==== Nodes =====
=====

Name: Ground Group: BASE Type: Time/Stage	Base Flow(cfs): 0.000	Init Stage(ft): 177.500 Warn Stage(ft): 177.500
---	-----------------------	--

Time(hrs)	Stage(ft)
0.00	177.500
9999.00	177.500

Name: Low Area Group: BASE Type: Stage/Area	Base Flow(cfs): 0.000	Init Stage(ft): 177.500 Warn Stage(ft): 180.000
---	-----------------------	--

Stage(ft)	Area(ac)
177.500	0.0000
178.000	0.0700
179.000	0.2500
180.000	1.0200
181.000	1.5200

Name: Post Boundary Group: BASE Type: Stage/Area	Base Flow(cfs): 0.000	Init Stage(ft): 175.000 Warn Stage(ft): 178.000
--	-----------------------	--

Stage(ft)	Area(ac)
175.000	1.0000
180.000	1.0000

Name: Pre Boundary Group: BASE Type: Stage/Area	Base Flow(cfs): 0.000	Init Stage(ft): 175.000 Warn Stage(ft): 178.000
---	-----------------------	--

Stage(ft)	Area(ac)
175.000	1.0000
180.000	1.0000

Name: SWMF Group: BASE Type: Stage/Area	Base Flow(cfs): 0.000	Init Stage(ft): 178.000 Warn Stage(ft): 180.000
---	-----------------------	--

Stage(ft)	Area(ac)
178.000	0.2900
179.000	0.4200
180.000	0.9700
181.000	1.6700
182.000	2.1500

===== Cross Sections =====

Name: Boundary Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	182.500	0.035000
16.000	182.000	0.035000
97.000	180.250	0.035000
229.000	182.000	0.035000

===== Operating Tables =====

Name: Post FS=2 Perc Group: BASE
Type: Rating Curve
Function: US Stage vs. Discharge

using perc rate of 0.44 in/hour, for 12,446 sf of bottom
(0.0367 ft/hr*12,446)/3600=0.1267 cfs

US Stage(ft)	Discharge(cfs)
178.000	0.13
179.000	0.19
180.000	0.43
181.000	0.74

Name: Pre FS=2 Perc Group: BASE
Type: Rating Curve
Function: US Stage vs. Discharge

using perc rate of 0.44 in/hour, for 2,850 sf of bottom
(0.0367 ft/hr*2,850)/3600=0.029 cfs

US Stage(ft)	Discharge(cfs)
177.500	0.00
178.000	0.03
179.000	0.11
180.000	0.45
181.000	0.68

===== Channels =====

Name: Post Channel From Node: SWMF Length(ft): 12.50
Group: BASE To Node: Post Boundary Count: 1

UPSTREAM	DOWNTSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 180.250	180.250	Flow: Both
TClpInitZ(ft): 9999.000	9999.000	Contraction Coef: 0.000
Manning's N:		Expansion Coef: 0.000
Top Clip(ft):		Entrance Loss Coef: 0.000
Bot Clip(ft):		Exit Loss Coef: 0.000
Main XSec: Boundary	Boundary	Outlet Ctrl Spec: Use dc or tw
AuxElev1(ft): 0.000	0.000	Inlet Ctrl Spec: Use dc
Aux XSec1:		Stabilizer Option: None
AuxElev2(ft): 0.000	0.000	
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

Name: Pre Channel	From Node: Low Area	Length(ft): 12.50
Group: BASE	To Node: Pre Boundary	Count: 1
 UPSTREAM		
Geometry: Irregular	DOWNTSTREAM	Friction Equation: Automatic
Invert(ft): 180.250	Irregular	Solution Algorithm: Automatic
TClpInitZ(ft): 9999.000	9999.000	Flow: Both
Manning's N:		Contraction Coef: 0.000
Top Clip(ft):		Expansion Coef: 0.000
Bot Clip(ft):		Entrance Loss Coef: 0.000
Main XSec: Boundary	Boundary	Exit Loss Coef: 0.000
AuxElev1(ft): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Aux XSec1:		Inlet Ctrl Spec: Use dc
AuxElev2(ft): 0.000	0.000	Stabilizer Option: None
Aux XSec2:		
Top Width(ft):		
Depth(ft):		
Bot Width(ft):		
LtSdSlp(h/v):		
RtSdSlp(h/v):		

===== Weirs =====

Name:	From Node:
Group: BASE	To Node:
Flow: Both	Count: 1
Type: Horizontal	Geometry: Circular
 Span(in): 0.00	
Rise(in): 0.00	
Invert(ft): 0.000	
Control Elevation(ft): 0.000	
TABLE	
Bottom Clip(in): 0.000	
Top Clip(in): 0.000	
Weir Discharge Coef: 3.200	
Orifice Discharge Coef: 0.600	

===== Rating Curves =====

Name: Post Perc	From Node: SWMF	Count: 1
Group: BASE	To Node: Ground	Flow: Both
 TABLE		
#1: Post FS=2 Perc	ELEV ON(ft)	ELEV OFF(ft)
	178.001	178.000
#2:	0.000	0.000
#3:	0.000	0.000
#4:	0.000	0.000

Name: Pre Perc	From Node: Low Area	Count: 1
Group: BASE	To Node: ground	Flow: Both
 TABLE		
#1: Pre FS=2 Perc	ELEV ON(ft)	ELEV OFF(ft)
	177.501	177.500
#2:	0.000	0.000
#3:	0.000	0.000
#4:	0.000	0.000

===== Percolation Links =====

Name:	From Node:	Flow: Both
Group: BASE	To Node:	Count: 1
 Surface Area Option: Use 1st Point in Stage/Area Table		
Vertical Flow Termination: Horizontal Flow Algorithm		
Aquifer Base Elev(ft): 0.000	Perimeter 1(ft): 0.000	
Water Table Elev(ft): 0.000	Perimeter 2(ft): 0.000	
*****0.000	Perimeter 3(ft): 0.000	
Horiz Conductivity(ft/day): 0.000	Distance 1 to 2(ft): 0.000	
Vert Conductivity(ft/day): 0.000	Distance 2 to 3(ft): 0.000	
Effective Porosity(dec): 0.000	Num Cells 1 to 2: 0	
Suction Head(in): 0.000	Num Cells 2 to 3: 0	
Layer Thickness(ft): 0.000		

=====
==== Hydrology Simulations =====
=====

Name: 002yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 2.30

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 002yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr02hr.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 3.00

Time(hrs)	Print Inc(min)
6.000	5.00

Name: 002yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
8.000	5.00

Name: 002yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr08hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-2
Rainfall Amount(in): 4.20

Time(hrs)	Print Inc(min)
12.000	5.00

Name: 002yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 4.70

Time(hrs)	Print Inc(min)
28.000	5.00

Name: 005yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 2.80

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 005yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr02hr.R32

Complete Input Report

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 3.60

Time(hrs)	Print Inc(min)
6.000	5.00

Name: 005yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 4.40

Time(hrs)	Print Inc(min)
8.000	5.00

Name: 005yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr08hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 5.50

Time(hrs)	Print Inc(min)
12.000	5.00

Name: 005yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 3.20

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 010yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr02hr.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 4.10

Time(hrs)	Print Inc(min)
6.000	5.00

Name: 010yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
8.000	5.00

Name: 010yr08hr

Complete Input Report

Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr08hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
12.000	5.00

Name: 010yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr24hr.R32

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

Time(hrs)	Print Inc(min)
28.000	5.00

Name: 025yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 3.70

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 025yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr02hr.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 4.70

Time(hrs)	Print Inc(min)
6.000	5.00

Name: 025yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 5.90

Time(hrs)	Print Inc(min)
8.000	5.00

Name: 025yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr08hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 7.40

Time(hrs)	Print Inc(min)
12.000	5.00

Name: 025yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 8.50

Time(hrs)	Print Inc(min)
28.000	5.00

Complete Input Report

Name: 050yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 4.00

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 050yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr02hr.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 5.20

Time(hrs)	Print Inc(min)
6.000	5.00

Name: 050yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
8.000	5.00

Name: 050yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr08hr.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	5.00

Name: 050yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr24hr.R32

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

Time(hrs)	Print Inc(min)
168.000	5.00

Name: 100yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr01hr.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 4.40

Time(hrs)	Print Inc(min)
4.000	5.00

Name: 100yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr02hr.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 5.80

Time(hrs)	Print Inc(min)

Complete Input Report

6.000 5.00

Name: 100yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr04hr.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 7.20

Time(hrs) Print Inc(min)

8.000 5.00

Name: 100yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr08hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 8.90

Time(hrs) Print Inc(min)

12.000 5.00

Name: 100yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 10.90

Time(hrs) Print Inc(min)

168.000 5.00

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

Name: 002yr01hr Hydrology Sim: 002yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr01hr.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): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

4.000 15.000

Group Run

BASE Yes

Name: 002yr02hr Hydrology Sim: 002yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr02hr.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): 6.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

6.000 15.000

Group Run

Complete Input Report

BASE Yes

Name: 002yr04hr Hydrology Sim: 002yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr04hr.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): 8.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

8.000 15.000

Group Run

BASE Yes

Name: 002yr08hr Hydrology Sim: 002yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr08hr.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): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

12.000 15.000

Group Run

BASE Yes

Name: 002yr24hr Hydrology Sim: 002yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\002yr24hr.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): 40.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

40.000 15.000

Group Run

BASE Yes

Name: 005yr01hr Hydrology Sim: 005yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr01hr.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): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Complete Input Report

Time(hrs)	Print Inc(min)
-----	-----
4.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 005yr02hr	Hydrology Sim: 005yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr02hr.I32	
Execute: Yes	Restart: No
Alternative: No	Patch: 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): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
-----	-----
6.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 005yr04hr	Hydrology Sim: 005yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr04hr.I32	
Execute: Yes	Restart: No
Alternative: No	Patch: 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): 8.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
-----	-----
8.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 005yr08hr	Hydrology Sim: 005yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr08hr.I32	
Execute: Yes	Restart: No
Alternative: No	Patch: 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): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
-----	-----
12.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 005yr24hr	Hydrology Sim: 005yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\005yr24hr.I32	
Execute: Yes	Restart: No
Alternative: No	Patch: No

Complete Input Report

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 40.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
-----	-----
40.000	15.000

Group	Run
-----	-----
BASE	Yes

Name: 010yr01hr Hydrology Sim: 010yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr01hr.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): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
4.000	15.000

Group	Run
-----	-----
BASE	Yes

Name: 010yr02hr Hydrology Sim: 010yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr02hr.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): 6.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
6.000	15.000

Group	Run
-----	-----
BASE	Yes

Name: 010yr04hr Hydrology Sim: 010yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr04hr.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): 8.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
8.000	15.000

Group	Run
-----	-----
BASE	Yes

Complete Input Report

Name: 010yr08hr Hydrology Sim: 010yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr08hr.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 End Time(hrs): 12.00
Start Time(hrs): 0.000 Max Calc Time(sec): 60.0000
Min Calc Time(sec): 0.5000 Boundary Stages:
Boundary Flows:

Time(hrs) Print Inc(min)

12.000 15.000

Group Run

BASE Yes

Name: 010yr24hr Hydrology Sim: 010yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\010yr24hr.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 End Time(hrs): 40.00
Start Time(hrs): 0.000 Max Calc Time(sec): 60.0000
Min Calc Time(sec): 0.5000 Boundary Stages:
Boundary Flows:

Time(hrs) Print Inc(min)

40.000 15.000

Group Run

BASE Yes

Name: 025yr01hr Hydrology Sim: 025yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr01hr.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 End Time(hrs): 4.00
Start Time(hrs): 0.000 Max Calc Time(sec): 60.0000
Min Calc Time(sec): 0.5000 Boundary Stages:
Boundary Flows:

Time(hrs) Print Inc(min)

4.000 15.000

Group Run

BASE Yes

Name: 025yr02hr Hydrology Sim: 025yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr02hr.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 End Time(hrs): 6.00
Start Time(hrs): 0.000 Max Calc Time(sec): 60.0000
Min Calc Time(sec): 0.5000 Boundary Stages:
Boundary Flows:

Time(hrs) Print Inc(min)

Complete Input Report

6.000 15.000

Group Run

BASE Yes

Name: 025yr04hr Hydrology Sim: 025yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr04hr.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): 8.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

8.000 15.000

Group Run

BASE Yes

Name: 025yr08hr Hydrology Sim: 025yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr08hr.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): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

12.000 15.000

Group Run

BASE Yes

Name: 025yr24hr Hydrology Sim: 025yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\025yr24hr.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): 40.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

40.000 15.000

Group Run

BASE Yes

Name: 050yr01hr Hydrology Sim: 050yr01hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr01hr.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

Complete Input Report

Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

4.000 15.000

Group Run

BASE Yes

Name: 050yr02hr Hydrology Sim: 050yr02hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr02hr.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
Min Calc Time(sec): 0.5000 End Time(hrs): 6.00
Boundary Stages: Max Calc Time(sec): 60.0000
 Boundary Flows:

Time(hrs) Print Inc(min)

6.000 15.000

Group Run

BASE Yes

Name: 050yr04hr Hydrology Sim: 050yr04hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr04hr.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
Min Calc Time(sec): 0.5000 End Time(hrs): 8.00
Boundary Stages: Max Calc Time(sec): 60.0000
 Boundary Flows:

Time(hrs) Print Inc(min)

8.000 15.000

Group Run

BASE Yes

Name: 050yr08hr Hydrology Sim: 050yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr08hr.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
Min Calc Time(sec): 0.5000 End Time(hrs): 12.00
Boundary Stages: Max Calc Time(sec): 60.0000
 Boundary Flows:

Time(hrs) Print Inc(min)

12.000 15.000

Group Run

BASE Yes

Name: 050yr24hr Hydrology Sim: 050yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\050yr24hr.I32

Complete Input Report

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): 40.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
40.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 100yr01hr	Hydrology Sim: 100yr01hr	
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr01hr.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): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
4.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 100yr02hr	Hydrology Sim: 100yr02hr	
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr02hr.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): 6.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
6.000	15.000
Group	Run
-----	-----
BASE	Yes

Name: 100yr04hr	Hydrology Sim: 100yr04hr	
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr04hr.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): 8.00	
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000	
Boundary Stages:	Boundary Flows:	

Time(hrs)	Print Inc(min)
-----	-----
8.000	15.000
Group	Run

Complete Input Report

BASE Yes

Name: 100yr08hr Hydrology Sim: 100yr08hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr08hr.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): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

12.000 15.000

Group Run

BASE Yes

Name: 100yr24hr Hydrology Sim: 100yr24hr
Filename: S:\Projects\13-034 (Crump Rd Store)\data\icpr\ICPR\100yr24hr.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): 168.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)

168.000 5.000

Group Run

BASE Yes

Node Min/Max Report

Name	Group	Simulation	Max Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow hrs	Max Inflow cfs	Max Outflow hrs
Ground	BASE	002yr01hr	0.00	177.500	177.500	0.0000	0	2.12	0.184	0.00
Ground	BASE	002yr02hr	0.00	177.500	177.500	0.0000	0	2.88	0.231	0.00
Ground	BASE	002yr04hr	0.00	177.500	177.500	0.0000	0	4.58	0.263	0.00
Ground	BASE	002yr08hr	0.00	177.500	177.500	0.0000	0	8.25	0.323	0.00
Ground	BASE	002yr24hr	0.00	177.500	177.500	0.0000	0	22.28	0.335	0.00
Ground	BASE	005yr01hr	0.00	177.500	177.500	0.0000	0	2.23	0.219	0.00
Ground	BASE	005yr02hr	0.00	177.500	177.500	0.0000	0	2.94	0.272	0.00
Ground	BASE	005yr04hr	0.00	177.500	177.500	0.0000	0	4.55	0.381	0.00
Ground	BASE	005yr08hr	0.00	177.500	177.500	0.0000	0	8.29	0.535	0.00
Ground	BASE	005yr24hr	0.00	177.500	177.500	0.0000	0	22.27	0.559	0.00
Ground	BASE	010yr01hr	0.00	177.500	177.500	0.0000	0	2.30	0.247	0.00
Ground	BASE	010yr02hr	0.00	177.500	177.500	0.0000	0	2.91	0.343	0.00
Ground	BASE	010yr04hr	0.00	177.500	177.500	0.0000	0	4.57	0.489	0.00
Ground	BASE	010yr08hr	0.00	177.500	177.500	0.0000	0	8.30	0.639	0.00
Ground	BASE	010yr24hr	0.00	177.500	177.500	0.0000	0	22.27	0.695	0.00
Ground	BASE	025yr01hr	0.00	177.500	177.500	0.0000	0	2.35	0.282	0.00
Ground	BASE	025yr02hr	0.00	177.500	177.500	0.0000	0	2.90	0.442	0.00
Ground	BASE	025yr04hr	0.00	177.500	177.500	0.0000	0	4.56	0.634	0.00
Ground	BASE	025yr08hr	0.00	177.500	177.500	0.0000	0	8.31	0.798	0.00
Ground	BASE	025yr24hr	0.00	177.500	177.500	0.0000	0	22.29	0.807	0.00
Ground	BASE	050yr01hr	0.00	177.500	177.500	0.0000	0	2.32	0.333	0.00
Ground	BASE	050yr02hr	0.00	177.500	177.500	0.0000	0	2.90	0.531	0.00
Ground	BASE	050yr04hr	0.00	177.500	177.500	0.0000	0	4.57	0.706	0.00
Ground	BASE	050yr08hr	0.00	177.500	177.500	0.0000	0	8.32	0.869	0.00
Ground	BASE	050yr24hr	0.00	177.500	177.500	0.0000	0	22.33	0.915	0.00
Ground	BASE	100yr01hr	0.00	177.500	177.500	0.0000	0	2.34	0.390	0.00
Ground	BASE	100yr02hr	0.00	177.500	177.500	0.0000	0	2.90	0.626	0.00
Ground	BASE	100yr04hr	0.00	177.500	177.500	0.0000	0	4.57	0.812	0.00
Ground	BASE	100yr08hr	0.00	177.500	177.500	0.0000	0	8.34	0.963	0.00
Ground	BASE	100yr24hr	0.00	177.500	177.500	0.0000	0	22.30	1.033	0.00
Low Area	BASE	002yr01hr	2.19	178.212	180.000	0.0050	4714	0.92	0.743	2.19
Low Area	BASE	002yr02hr	2.93	178.617	180.000	0.0050	7885	1.17	0.943	2.93
Low Area	BASE	002yr04hr	4.61	178.879	180.000	0.0050	9940	3.08	1.259	4.61
Low Area	BASE	002yr08hr	8.25	179.116	180.000	0.0050	14764	3.33	1.201	8.25
Low Area	BASE	002yr24hr	22.27	179.155	180.000	0.0047	16095	12.17	0.427	22.27
Low Area	BASE	005yr01hr	2.28	178.514	180.000	0.0050	7076	0.92	1.498	2.28
Low Area	BASE	005yr02hr	2.97	178.941	180.000	0.0050	10430	1.17	1.665	2.97
Low Area	BASE	005yr04hr	4.54	179.251	180.000	0.0050	19320	2.67	2.124	4.54
Low Area	BASE	005yr08hr	8.25	179.492	180.000	0.0050	27389	4.17	2.722	8.25
Low Area	BASE	005yr24hr	22.19	179.534	180.000	0.0050	28790	12.08	0.882	22.19
Low Area	BASE	010yr01hr	2.32	178.739	180.000	0.0050	8845	0.92	2.229	2.32
Low Area	BASE	010yr02hr	2.91	179.160	180.000	0.0050	16254	1.08	2.368	2.91
Low Area	BASE	010yr04hr	4.52	179.424	180.000	0.0050	25126	2.67	2.810	4.52
Low Area	BASE	010yr08hr	8.27	179.652	180.000	0.0050	32775	4.17	3.488	8.27
Low Area	BASE	010yr24hr	22.20	179.740	180.000	0.0050	35715	12.08	1.211	22.20
Low Area	BASE	025yr01hr	2.35	179.006	180.000	0.0050	11093	0.92	3.270	2.35
Low Area	BASE	025yr02hr	2.87	179.351	180.000	0.0050	22652	1.08	3.345	2.87
Low Area	BASE	025yr04hr	4.53	179.647	180.000	0.0050	32600	2.67	3.915	4.53
Low Area	BASE	025yr08hr	8.27	179.900	180.000	0.0050	41087	4.08	4.905	8.27
Low Area	BASE	025yr24hr	22.23	179.914	180.000	0.0050	41541	12.09	1.524	22.23
Low Area	BASE	050yr01hr	2.32	179.133	180.000	0.0050	15360	0.92	3.951	2.32
Low Area	BASE	050yr02hr	2.87	179.487	180.000	0.0050	27216	1.08	4.230	2.87
Low Area	BASE	050yr04hr	4.54	179.759	180.000	0.0050	36357	2.67	4.557	4.54
Low Area	BASE	050yr08hr	8.28	180.015	180.000	0.0050	44748	4.08	5.650	8.28
Low Area	BASE	050yr24hr	22.26	180.095	180.000	0.0050	46511	12.09	1.882	22.26
Low Area	BASE	100yr01hr	2.29	179.270	180.000	0.0050	19945	0.92	4.915	2.29
Low Area	BASE	100yr02hr	2.87	179.635	180.000	0.0050	32173	1.08	5.363	2.87
Low Area	BASE	100yr04hr	4.55	179.926	180.000	0.0050	41951	2.67	5.621	4.55
Low Area	BASE	100yr08hr	8.30	180.183	180.000	0.0050	48412	4.08	6.796	8.30
Low Area	BASE	100yr24hr	22.18	180.301	180.000	0.0050	51030	12.08	2.316	22.18
Post Boundary	BASE	002yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	002yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	002yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	002yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	002yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	005yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	005yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	005yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	005yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	005yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	010yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	010yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	010yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	010yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	010yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	050yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	050yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	050yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	050yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	050yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	100yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00

Node Min/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
Post Boundary	BASE	100yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	100yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	100yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Post Boundary	BASE	100yr24hr	24.33	175.001	178.000	0.0000	43560	22.38	0.010	0.00
Pre Boundary	BASE	002yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	002yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	002yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	002yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	002yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	005yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	005yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	005yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	005yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	005yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	010yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	025yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	025yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	025yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	025yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	025yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	050yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	050yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	050yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	050yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	050yr24hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	100yr01hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	100yr02hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	100yr04hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	100yr08hr	0.00	175.000	178.000	0.0000	43560	0.00	0.000	0.00
Pre Boundary	BASE	100yr24hr	25.01	175.017	178.000	0.0001	43560	22.18	0.088	0.00
SWMF	BASE	002yr01hr	1.96	178.184	180.000	0.0011	13674	0.92	1.298	1.96
SWMF	BASE	002yr02hr	2.80	178.414	180.000	0.0017	14975	1.16	1.489	2.80
SWMF	BASE	002yr04hr	4.53	178.593	180.000	0.0019	15989	2.67	1.674	4.53
SWMF	BASE	002yr08hr	8.27	178.773	180.000	0.0021	17010	3.33	1.621	8.27
SWMF	BASE	002yr24hr	22.37	178.744	180.000	0.0020	16844	12.08	0.586	22.37
SWMF	BASE	005yr01hr	2.15	178.355	180.000	0.0016	14641	0.92	2.265	2.15
SWMF	BASE	005yr02hr	2.89	178.653	180.000	0.0021	16328	1.08	2.402	2.89
SWMF	BASE	005yr04hr	4.62	178.966	180.000	0.0028	18105	2.67	2.727	4.62
SWMF	BASE	005yr08hr	8.34	179.291	180.000	0.0030	25261	4.09	3.412	8.34
SWMF	BASE	005yr24hr	22.37	179.330	180.000	0.0030	26198	12.08	1.092	22.37
SWMF	BASE	010yr01hr	2.25	178.508	180.000	0.0018	15510	0.92	3.154	2.25
SWMF	BASE	010yr02hr	2.94	178.861	180.000	0.0025	17507	1.08	3.269	2.94
SWMF	BASE	010yr04hr	4.60	179.195	180.000	0.0029	22965	2.67	3.487	4.60
SWMF	BASE	010yr08hr	8.33	179.493	180.000	0.0032	30098	4.09	4.265	8.33
SWMF	BASE	010yr24hr	22.35	179.600	180.000	0.0038	32658	12.08	1.445	22.35
SWMF	BASE	025yr01hr	2.32	178.712	180.000	0.0021	16662	0.92	4.380	2.32
SWMF	BASE	025yr02hr	2.95	179.106	180.000	0.0030	20832	1.08	4.402	2.95
SWMF	BASE	025yr04hr	4.60	179.477	180.000	0.0031	29715	2.67	4.684	4.60
SWMF	BASE	025yr08hr	8.34	179.798	180.000	0.0032	37411	4.08	5.795	8.34
SWMF	BASE	025yr24hr	22.38	179.818	180.000	0.0038	37899	12.08	1.777	22.38
SWMF	BASE	050yr01hr	2.35	178.837	180.000	0.0023	17372	0.83	5.185	2.35
SWMF	BASE	050yr02hr	2.95	179.280	180.000	0.0030	25001	1.08	5.405	2.95
SWMF	BASE	050yr04hr	4.61	179.616	180.000	0.0030	33046	2.66	5.371	4.61
SWMF	BASE	050yr08hr	8.35	179.937	180.000	0.0036	40740	4.08	6.581	8.35
SWMF	BASE	050yr24hr	22.38	180.039	180.000	0.0050	43448	12.08	2.150	22.38
SWMF	BASE	100yr01hr	2.37	179.006	180.000	0.0027	18436	0.83	6.337	2.37
SWMF	BASE	100yr02hr	2.95	179.465	180.000	0.0030	29431	1.00	6.720	2.95
SWMF	BASE	100yr04hr	4.62	179.821	180.000	0.0034	37954	2.66	6.496	4.62
SWMF	BASE	100yr08hr	8.35	180.130	180.000	0.0040	46227	4.08	7.781	8.35
SWMF	BASE	100yr24hr	22.38	180.272	180.000	0.0050	50548	12.08	2.599	22.38

Link Min/Max Report

Name	Group	Simulation	Max Flow hrs	Max Flow cfs	Max Delta Q cfs	Max US Stage hrs	Max US Stage ft	Max DS Stage hrs	Max DS Stage ft
Post Channel	BASE	002yr01hr	0.00	0.000	0.000	1.96	178.184	0.00	175.000
Post Channel	BASE	002yr02hr	0.00	0.000	0.000	2.80	178.414	0.00	175.000
Post Channel	BASE	002yr04hr	0.00	0.000	0.000	4.53	178.593	0.00	175.000
Post Channel	BASE	002yr08hr	0.00	0.000	0.000	8.27	178.773	0.00	175.000
Post Channel	BASE	002yr24hr	0.00	0.000	0.000	22.37	178.744	0.00	175.000
Post Channel	BASE	005yr01hr	0.00	0.000	0.000	2.15	178.355	0.00	175.000
Post Channel	BASE	005yr02hr	0.00	0.000	0.000	2.89	178.653	0.00	175.000
Post Channel	BASE	005yr04hr	0.00	0.000	0.000	4.62	178.966	0.00	175.000
Post Channel	BASE	005yr08hr	0.00	0.000	0.000	8.34	179.291	0.00	175.000
Post Channel	BASE	005yr24hr	0.00	0.000	0.000	22.37	179.330	0.00	175.000
Post Channel	BASE	010yr01hr	0.00	0.000	0.000	2.25	178.508	0.00	175.000
Post Channel	BASE	010yr02hr	0.00	0.000	0.000	2.94	178.861	0.00	175.000
Post Channel	BASE	010yr04hr	0.00	0.000	0.000	4.60	179.195	0.00	175.000
Post Channel	BASE	010yr08hr	0.00	0.000	0.000	8.33	179.493	0.00	175.000
Post Channel	BASE	010yr24hr	0.00	0.000	0.000	22.35	179.600	0.00	175.000
Post Channel	BASE	025yr01hr	0.00	0.000	0.000	2.32	178.712	0.00	175.000
Post Channel	BASE	025yr02hr	0.00	0.000	0.000	2.95	179.106	0.00	175.000
Post Channel	BASE	025yr04hr	0.00	0.000	0.000	4.60	179.477	0.00	175.000
Post Channel	BASE	025yr08hr	0.00	0.000	0.000	8.34	179.798	0.00	175.000
Post Channel	BASE	025yr24hr	0.00	0.000	0.000	22.38	179.818	0.00	175.000
Post Channel	BASE	050yr01hr	0.00	0.000	0.000	2.35	178.837	0.00	175.000
Post Channel	BASE	050yr02hr	0.00	0.000	0.000	2.95	179.280	0.00	175.000
Post Channel	BASE	050yr04hr	0.00	0.000	0.000	4.61	179.616	0.00	175.000
Post Channel	BASE	050yr08hr	0.00	0.000	0.000	8.35	179.937	0.00	175.000
Post Channel	BASE	050yr24hr	0.00	0.000	0.000	22.38	180.039	0.00	175.000
Post Channel	BASE	100yr01hr	0.00	0.000	0.000	2.37	179.006	0.00	175.000
Post Channel	BASE	100yr02hr	0.00	0.000	0.000	2.95	179.465	0.00	175.000
Post Channel	BASE	100yr04hr	0.00	0.000	0.000	4.62	179.821	0.00	175.000
Post Channel	BASE	100yr08hr	0.00	0.000	0.000	8.35	180.130	0.00	175.000
Post Channel	BASE	100yr24hr	22.38	0.010	0.000	22.38	180.272	22.38	180.268
Post Perc	BASE	002yr01hr	1.96	0.138	0.127	1.96	178.184	0.00	177.500
Post Perc	BASE	002yr02hr	2.80	0.151	0.127	2.80	178.414	0.00	177.500
Post Perc	BASE	002yr04hr	4.53	0.162	0.127	4.53	178.593	0.00	177.500
Post Perc	BASE	002yr08hr	8.27	0.172	0.127	8.27	178.773	0.00	177.500
Post Perc	BASE	002yr24hr	22.37	0.170	0.127	22.37	178.744	0.00	177.500
Post Perc	BASE	005yr01hr	2.15	0.148	0.127	2.15	178.355	0.00	177.500
Post Perc	BASE	005yr02hr	2.89	0.165	0.127	2.89	178.653	0.00	177.500
Post Perc	BASE	005yr04hr	4.62	0.184	0.127	4.62	178.966	0.00	177.500
Post Perc	BASE	005yr08hr	8.34	0.257	0.127	8.34	179.291	0.00	177.500
Post Perc	BASE	005yr24hr	22.37	0.266	0.127	22.37	179.330	0.00	177.500
Post Perc	BASE	010yr01hr	2.25	0.157	0.127	2.25	178.508	0.00	177.500
Post Perc	BASE	010yr02hr	2.94	0.177	0.127	2.94	178.861	0.00	177.500
Post Perc	BASE	010yr04hr	4.60	0.233	0.127	4.60	179.195	0.00	177.500
Post Perc	BASE	010yr08hr	8.33	0.306	0.127	8.33	179.493	0.00	177.500
Post Perc	BASE	010yr24hr	22.35	0.332	0.127	22.35	179.600	0.00	177.500
Post Perc	BASE	025yr01hr	2.32	0.169	0.127	2.32	178.712	0.00	177.500
Post Perc	BASE	025yr02hr	2.95	0.211	0.127	2.95	179.106	0.00	177.500
Post Perc	BASE	025yr04hr	4.60	0.302	0.127	4.60	179.477	0.00	177.500
Post Perc	BASE	025yr08hr	8.34	0.380	0.127	8.34	179.798	0.00	177.500
Post Perc	BASE	025yr24hr	22.38	0.385	0.127	22.38	179.818	0.00	177.500
Post Perc	BASE	050yr01hr	2.35	0.176	0.127	2.35	178.837	0.00	177.500
Post Perc	BASE	050yr02hr	2.95	0.254	0.127	2.95	179.280	0.00	177.500
Post Perc	BASE	050yr04hr	4.61	0.336	0.127	4.61	179.616	0.00	177.500
Post Perc	BASE	050yr08hr	8.35	0.414	0.127	8.35	179.937	0.00	177.500
Post Perc	BASE	050yr24hr	22.38	0.442	0.127	22.38	180.039	0.00	177.500
Post Perc	BASE	100yr01hr	2.37	0.187	0.127	2.37	179.006	0.00	177.500
Post Perc	BASE	100yr02hr	2.95	0.299	0.127	2.95	179.465	0.00	177.500
Post Perc	BASE	100yr04hr	4.62	0.386	0.127	4.62	179.821	0.00	177.500
Post Perc	BASE	100yr08hr	8.35	0.470	0.127	8.35	180.130	0.00	177.500
Post Perc	BASE	100yr24hr	22.38	0.514	0.127	22.38	180.272	0.00	177.500
Pre Channel	BASE	002yr01hr	0.00	0.000	0.000	2.19	178.212	0.00	175.000
Pre Channel	BASE	002yr02hr	0.00	0.000	0.000	2.93	178.617	0.00	175.000
Pre Channel	BASE	002yr04hr	0.00	0.000	0.000	4.61	178.879	0.00	175.000
Pre Channel	BASE	002yr08hr	0.00	0.000	0.000	8.25	179.116	0.00	175.000
Pre Channel	BASE	002yr24hr	0.00	0.000	0.000	22.27	179.155	0.00	175.000
Pre Channel	BASE	005yr01hr	0.00	0.000	0.000	2.28	178.514	0.00	175.000
Pre Channel	BASE	005yr02hr	0.00	0.000	0.000	2.97	178.941	0.00	175.000
Pre Channel	BASE	005yr04hr	0.00	0.000	0.000	4.54	179.251	0.00	175.000
Pre Channel	BASE	005yr08hr	0.00	0.000	0.000	8.25	179.492	0.00	175.000
Pre Channel	BASE	005yr24hr	0.00	0.000	0.000	22.19	179.534	0.00	175.000
Pre Channel	BASE	010yr01hr	0.00	0.000	0.000	2.32	178.739	0.00	175.000
Pre Channel	BASE	010yr02hr	0.00	0.000	0.000	2.91	179.160	0.00	175.000
Pre Channel	BASE	010yr04hr	0.00	0.000	0.000	4.52	179.424	0.00	175.000
Pre Channel	BASE	010yr08hr	0.00	0.000	0.000	8.27	179.652	0.00	175.000
Pre Channel	BASE	010yr24hr	0.00	0.000	0.000	22.20	179.740	0.00	175.000
Pre Channel	BASE	025yr01hr	0.00	0.000	0.000	2.35	179.006	0.00	175.000
Pre Channel	BASE	025yr02hr	0.00	0.000	0.000	2.87	179.351	0.00	175.000
Pre Channel	BASE	025yr04hr	0.00	0.000	0.000	4.53	179.647	0.00	175.000
Pre Channel	BASE	025yr08hr	0.00	0.000	0.000	8.27	179.900	0.00	175.000
Pre Channel	BASE	025yr24hr	0.00	0.000	0.000	22.23	179.914	0.00	175.000
Pre Channel	BASE	050yr01hr	0.00	0.000	0.000	2.32	179.133	0.00	175.000
Pre Channel	BASE	050yr02hr	0.00	0.000	0.000	2.87	179.487	0.00	175.000
Pre Channel	BASE	050yr04hr	0.00	0.000	0.000	4.54	179.759	0.00	175.000
Pre Channel	BASE	050yr08hr	0.00	0.000	0.000	8.28	180.015	0.00	175.000
Pre Channel	BASE	050yr24hr	0.00	0.000	0.000	22.26	180.095	0.00	175.000
Pre Channel	BASE	100yr01hr	0.00	0.000	0.000	2.29	179.270	0.00	175.000

Link Min/Max Report

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
Pre Channel	BASE	100yr02hr	0.00	0.000	0.000	2.87	179.635	0.00	175.000
Pre Channel	BASE	100yr04hr	0.00	0.000	0.000	4.55	179.926	0.00	175.000
Pre Channel	BASE	100yr08hr	0.00	0.000	0.000	8.30	180.183	0.00	175.000
Pre Channel	BASE	100yr24hr	22.18	0.088	0.001	22.18	180.301	22.18	180.292
Pre Perc	BASE	002yr01hr	2.19	0.047	0.000	2.19	178.212	0.00	177.500
Pre Perc	BASE	002yr02hr	2.93	0.080	0.000	2.93	178.617	0.00	177.500
Pre Perc	BASE	002yr04hr	4.61	0.102	0.000	4.61	178.879	0.00	177.500
Pre Perc	BASE	002yr08hr	8.25	0.151	0.001	8.25	179.116	0.00	177.500
Pre Perc	BASE	002yr24hr	22.27	0.164	0.000	22.27	179.155	0.00	177.500
Pre Perc	BASE	005yr01hr	2.28	0.071	0.000	2.28	178.514	0.00	177.500
Pre Perc	BASE	005yr02hr	2.97	0.107	0.000	2.97	178.941	0.00	177.500
Pre Perc	BASE	005yr04hr	4.54	0.197	0.001	4.54	179.251	0.00	177.500
Pre Perc	BASE	005yr08hr	8.25	0.279	0.001	8.25	179.492	0.00	177.500
Pre Perc	BASE	005yr24hr	22.19	0.293	0.001	22.19	179.534	0.00	177.500
Pre Perc	BASE	010yr01hr	2.32	0.090	0.000	2.32	178.739	0.00	177.500
Pre Perc	BASE	010yr02hr	2.91	0.166	0.001	2.91	179.160	0.00	177.500
Pre Perc	BASE	010yr04hr	4.52	0.256	0.001	4.52	179.424	0.00	177.500
Pre Perc	BASE	010yr08hr	8.27	0.333	0.001	8.27	179.652	0.00	177.500
Pre Perc	BASE	010yr24hr	22.20	0.363	0.002	22.20	179.740	0.00	177.500
Pre Perc	BASE	025yr01hr	2.35	0.114	0.000	2.35	179.006	0.00	177.500
Pre Perc	BASE	025yr02hr	2.87	0.231	0.001	2.87	179.351	0.00	177.500
Pre Perc	BASE	025yr04hr	4.53	0.332	0.001	4.53	179.647	0.00	177.500
Pre Perc	BASE	025yr08hr	8.27	0.418	0.001	8.27	179.900	0.00	177.500
Pre Perc	BASE	025yr24hr	22.23	0.422	0.001	22.23	179.914	0.00	177.500
Pre Perc	BASE	050yr01hr	2.32	0.157	0.001	2.32	179.133	0.00	177.500
Pre Perc	BASE	050yr02hr	2.87	0.277	0.001	2.87	179.487	0.00	177.500
Pre Perc	BASE	050yr04hr	4.54	0.370	0.001	4.54	179.759	0.00	177.500
Pre Perc	BASE	050yr08hr	8.28	0.455	0.001	8.28	180.015	0.00	177.500
Pre Perc	BASE	050yr24hr	22.26	0.473	0.002	22.26	180.095	0.00	177.500
Pre Perc	BASE	100yr01hr	2.29	0.203	0.001	2.29	179.270	0.00	177.500
Pre Perc	BASE	100yr02hr	2.87	0.327	0.001	2.87	179.635	0.00	177.500
Pre Perc	BASE	100yr04hr	4.55	0.426	0.001	4.55	179.926	0.00	177.500
Pre Perc	BASE	100yr08hr	8.30	0.493	0.002	8.30	180.183	0.00	177.500
Pre Perc	BASE	100yr24hr	22.18	0.519	0.002	22.18	180.301	0.00	177.500

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	0.00	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.08	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.18	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.26	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.34	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.42	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.50	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.60	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.68	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.77	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.85	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	0.93	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.02	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.10	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.18	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.27	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.35	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.43	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.52	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.60	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.68	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.77	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.85	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	1.93	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.02	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.10	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.18	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.27	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.35	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.43	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.52	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.60	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.68	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.77	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.85	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	2.93	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.02	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.10	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.18	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.27	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.35	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.43	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.52	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.60	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.68	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.77	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.85	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	3.93	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.02	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.10	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.18	178.000	180.000	12632	0.000	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.27	178.000	180.000	12633	0.001	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.35	178.000	180.000	12633	0.004	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.43	178.000	180.000	12634	0.008	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.52	178.000	180.000	12635	0.014	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.60	178.001	180.000	12637	0.021	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.68	178.000	180.000	12632	0.028	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.77	178.000	180.000	12632	0.036	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.85	178.000	180.000	12632	0.045	0.000	0.0	0.0
100yr24hr	SWMF	BASE	4.93	178.000	180.000	12632	0.054	0.000	0.0	0.0
100yr24hr	SWMF	BASE	5.02	178.000	180.000	12632	0.064	0.000	0.0	0.0
100yr24hr	SWMF	BASE	5.10	178.000	180.000	12633	0.075	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.18	178.000	180.000	12633	0.089	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.27	178.000	180.000	12633	0.107	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.35	178.000	180.000	12633	0.125	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.43	178.000	180.000	12634	0.143	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.52	178.001	180.000	12637	0.161	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.60	178.002	180.000	12643	0.178	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.68	178.003	180.000	12651	0.195	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.77	178.005	180.000	12661	0.212	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.85	178.007	180.000	12674	0.229	0.127	0.0	0.0
100yr24hr	SWMF	BASE	5.93	178.010	180.000	12689	0.245	0.127	0.0	0.0
100yr24hr	SWMF	BASE	6.02	178.013	180.000	12705	0.262	0.128	0.0	0.0
100yr24hr	SWMF	BASE	6.10	178.016	180.000	12724	0.278	0.128	0.0	0.0
100yr24hr	SWMF	BASE	6.18	178.020	180.000	12745	0.293	0.128	0.0	0.0
100yr24hr	SWMF	BASE	6.27	178.024	180.000	12768	0.309	0.128	0.0	0.0
100yr24hr	SWMF	BASE	6.35	178.028	180.000	12793	0.324	0.128	0.0	0.0
100yr24hr	SWMF	BASE	6.43	178.033	180.000	12820	0.339	0.129	0.0	0.0
100yr24hr	SWMF	BASE	6.52	178.038	180.000	12849	0.354	0.129	0.0	0.0
100yr24hr	SWMF	BASE	6.60	178.044	180.000	12880	0.368	0.129	0.0	0.0
100yr24hr	SWMF	BASE	6.68	178.049	180.000	12912	0.382	0.130	0.0	0.0
100yr24hr	SWMF	BASE	6.77	178.055	180.000	12946	0.396	0.130	0.0	0.0
100yr24hr	SWMF	BASE	6.85	178.062	180.000	12982	0.409	0.130	0.0	0.0
100yr24hr	SWMF	BASE	6.93	178.068	180.000	13019	0.423	0.131	0.0	0.0
100yr24hr	SWMF	BASE	7.02	178.075	180.000	13058	0.436	0.131	0.0	0.0
100yr24hr	SWMF	BASE	7.10	178.082	180.000	13098	0.448	0.132	0.0	0.0

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	7.18	178.090	180.000	13140	0.461	0.132	0.1	0.0
100yr24hr	SWMF	BASE	7.27	178.097	180.000	13183	0.474	0.132	0.1	0.0
100yr24hr	SWMF	BASE	7.35	178.105	180.000	13228	0.486	0.133	0.1	0.0
100yr24hr	SWMF	BASE	7.43	178.113	180.000	13274	0.498	0.133	0.1	0.0
100yr24hr	SWMF	BASE	7.52	178.122	180.000	13321	0.510	0.134	0.1	0.0
100yr24hr	SWMF	BASE	7.60	178.130	180.000	13370	0.521	0.134	0.1	0.0
100yr24hr	SWMF	BASE	7.68	178.139	180.000	13420	0.533	0.135	0.1	0.0
100yr24hr	SWMF	BASE	7.77	178.148	180.000	13471	0.544	0.135	0.1	0.0
100yr24hr	SWMF	BASE	7.85	178.157	180.000	13523	0.555	0.136	0.1	0.0
100yr24hr	SWMF	BASE	7.93	178.167	180.000	13576	0.565	0.137	0.1	0.0
100yr24hr	SWMF	BASE	8.02	178.176	180.000	13630	0.578	0.137	0.1	0.0
100yr24hr	SWMF	BASE	8.10	178.186	180.000	13686	0.601	0.138	0.1	0.0
100yr24hr	SWMF	BASE	8.18	178.197	180.000	13746	0.641	0.138	0.1	0.0
100yr24hr	SWMF	BASE	8.27	178.208	180.000	13811	0.699	0.139	0.1	0.0
100yr24hr	SWMF	BASE	8.34	178.220	180.000	13877	0.753	0.140	0.1	0.0
100yr24hr	SWMF	BASE	8.42	178.233	180.000	13952	0.802	0.140	0.1	0.0
100yr24hr	SWMF	BASE	8.50	178.247	180.000	14032	0.846	0.141	0.1	0.0
100yr24hr	SWMF	BASE	8.60	178.264	180.000	14130	0.888	0.142	0.1	0.0
100yr24hr	SWMF	BASE	8.68	178.280	180.000	14218	0.922	0.143	0.1	0.0
100yr24hr	SWMF	BASE	8.76	178.296	180.000	14308	0.952	0.144	0.1	0.0
100yr24hr	SWMF	BASE	8.84	178.312	180.000	14402	0.980	0.145	0.1	0.0
100yr24hr	SWMF	BASE	8.93	178.332	180.000	14514	1.010	0.146	0.1	0.0
100yr24hr	SWMF	BASE	9.01	178.350	180.000	14612	1.035	0.147	0.2	0.0
100yr24hr	SWMF	BASE	9.09	178.367	180.000	14712	1.058	0.148	0.2	0.0
100yr24hr	SWMF	BASE	9.17	178.385	180.000	14813	1.080	0.149	0.2	0.0
100yr24hr	SWMF	BASE	9.26	178.406	180.000	14934	1.104	0.151	0.2	0.0
100yr24hr	SWMF	BASE	9.34	178.425	180.000	15039	1.124	0.152	0.2	0.0
100yr24hr	SWMF	BASE	9.42	178.444	180.000	15145	1.143	0.153	0.2	0.0
100yr24hr	SWMF	BASE	9.50	178.463	180.000	15252	1.161	0.154	0.2	0.0
100yr24hr	SWMF	BASE	9.60	178.485	180.000	15378	1.181	0.155	0.2	0.1
100yr24hr	SWMF	BASE	9.68	178.504	180.000	15488	1.197	0.156	0.2	0.1
100yr24hr	SWMF	BASE	9.76	178.524	180.000	15598	1.213	0.158	0.2	0.1
100yr24hr	SWMF	BASE	9.84	178.543	180.000	15708	1.229	0.159	0.2	0.1
100yr24hr	SWMF	BASE	9.93	178.566	180.000	15838	1.245	0.160	0.2	0.1
100yr24hr	SWMF	BASE	10.01	178.586	180.000	15951	1.261	0.161	0.2	0.1
100yr24hr	SWMF	BASE	10.09	178.606	180.000	16064	1.288	0.162	0.3	0.1
100yr24hr	SWMF	BASE	10.17	178.626	180.000	16180	1.336	0.164	0.3	0.1
100yr24hr	SWMF	BASE	10.26	178.652	180.000	16323	1.427	0.165	0.3	0.1
100yr24hr	SWMF	BASE	10.34	178.675	180.000	16452	1.504	0.166	0.3	0.1
100yr24hr	SWMF	BASE	10.42	178.698	180.000	16587	1.571	0.168	0.3	0.1
100yr24hr	SWMF	BASE	10.50	178.723	180.000	16728	1.628	0.169	0.3	0.1
100yr24hr	SWMF	BASE	10.60	178.753	180.000	16896	1.683	0.171	0.3	0.1
100yr24hr	SWMF	BASE	10.68	178.779	180.000	17043	1.725	0.173	0.3	0.1
100yr24hr	SWMF	BASE	10.76	178.805	180.000	17193	1.762	0.174	0.3	0.1
100yr24hr	SWMF	BASE	10.84	178.832	180.000	17344	1.797	0.176	0.4	0.1
100yr24hr	SWMF	BASE	10.93	178.864	180.000	17523	1.833	0.178	0.4	0.1
100yr24hr	SWMF	BASE	11.01	178.891	180.000	17678	1.864	0.179	0.4	0.1
100yr24hr	SWMF	BASE	11.09	178.919	180.000	17835	1.906	0.181	0.4	0.1
100yr24hr	SWMF	BASE	11.17	178.947	180.000	17994	1.970	0.182	0.4	0.1
100yr24hr	SWMF	BASE	11.26	178.981	180.000	18188	2.081	0.184	0.4	0.1
100yr24hr	SWMF	BASE	11.34	179.010	180.000	18526	2.168	0.188	0.4	0.1
100yr24hr	SWMF	BASE	11.42	179.042	180.000	19312	2.253	0.196	0.5	0.1
100yr24hr	SWMF	BASE	11.51	179.075	180.000	20094	2.325	0.204	0.5	0.1
100yr24hr	SWMF	BASE	11.59	179.107	180.000	20867	2.385	0.212	0.5	0.1
100yr24hr	SWMF	BASE	11.67	179.135	180.000	21534	2.432	0.219	0.5	0.1
100yr24hr	SWMF	BASE	11.75	179.167	180.000	22285	2.479	0.226	0.5	0.1
100yr24hr	SWMF	BASE	11.84	179.197	180.000	23024	2.523	0.234	0.5	0.1
100yr24hr	SWMF	BASE	11.92	179.228	180.000	23750	2.561	0.241	0.6	0.1
100yr24hr	SWMF	BASE	12.01	179.257	180.000	24463	2.593	0.248	0.6	0.1
100yr24hr	SWMF	BASE	12.08	179.283	180.000	25073	2.599	0.255	0.6	0.1
100yr24hr	SWMF	BASE	12.17	179.311	180.000	25746	2.560	0.261	0.6	0.1
100yr24hr	SWMF	BASE	12.25	179.338	180.000	26381	2.463	0.268	0.6	0.1
100yr24hr	SWMF	BASE	12.34	179.362	180.000	26973	2.364	0.274	0.6	0.1
100yr24hr	SWMF	BASE	12.43	179.385	180.000	27526	2.286	0.280	0.7	0.1
100yr24hr	SWMF	BASE	12.50	179.404	180.000	27985	2.232	0.284	0.7	0.1
100yr24hr	SWMF	BASE	12.59	179.425	180.000	28487	2.188	0.289	0.7	0.1
100yr24hr	SWMF	BASE	12.67	179.445	180.000	28968	2.154	0.294	0.7	0.1
100yr24hr	SWMF	BASE	12.76	179.465	180.000	29433	2.129	0.299	0.7	0.1
100yr24hr	SWMF	BASE	12.84	179.483	180.000	29857	2.108	0.303	0.7	0.1
100yr24hr	SWMF	BASE	12.93	179.503	180.000	30337	2.090	0.308	0.7	0.1
100yr24hr	SWMF	BASE	13.01	179.519	180.000	30738	2.077	0.312	0.8	0.1
100yr24hr	SWMF	BASE	13.09	179.536	180.000	31129	2.058	0.316	0.8	0.1
100yr24hr	SWMF	BASE	13.17	179.552	180.000	31509	2.029	0.320	0.8	0.1
100yr24hr	SWMF	BASE	13.26	179.569	180.000	31936	1.976	0.325	0.8	0.1
100yr24hr	SWMF	BASE	13.34	179.584	180.000	32286	1.933	0.328	0.8	0.1
100yr24hr	SWMF	BASE	13.43	179.599	180.000	32651	1.897	0.332	0.8	0.1
100yr24hr	SWMF	BASE	13.51	179.613	180.000	32991	1.870	0.335	0.8	0.1
100yr24hr	SWMF	BASE	13.60	179.627	180.000	33321	1.850	0.339	0.9	0.1
100yr24hr	SWMF	BASE	13.68	179.641	180.000	33644	1.835	0.342	0.9	0.1
100yr24hr	SWMF	BASE	13.76	179.654	180.000	33960	1.824	0.345	0.9	0.1
100yr24hr	SWMF	BASE	13.85	179.667	180.000	34270	1.815	0.348	0.9	0.1
100yr24hr	SWMF	BASE	13.93	179.680	180.000	34576	1.810	0.351	0.9	0.1
100yr24hr	SWMF	BASE	14.01	179.692	180.000	34877	1.807	0.354	0.9	0.1
100yr24hr	SWMF	BASE	14.10	179.705	180.000	35175	1.805	0.357	0.9	0.1
100yr24hr	SWMF	BASE	14.18	179.717	180.000	35469	1.804	0.360	0.9	0.1
100yr24hr	SWMF	BASE	14.26	179.729	180.000	35760	1.803	0.363	1.0	0.1

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	14.35	179.741	180.000	36048	1.803	0.366	1.0	0.1
100yr24hr	SWMF	BASE	14.43	179.753	180.000	36333	1.804	0.369	1.0	0.2
100yr24hr	SWMF	BASE	14.51	179.765	180.000	36616	1.806	0.372	1.0	0.2
100yr24hr	SWMF	BASE	14.60	179.776	180.000	36897	1.808	0.375	1.0	0.2
100yr24hr	SWMF	BASE	14.68	179.788	180.000	37175	1.810	0.378	1.0	0.2
100yr24hr	SWMF	BASE	14.76	179.800	180.000	37451	1.813	0.381	1.0	0.2
100yr24hr	SWMF	BASE	14.85	179.811	180.000	37725	1.816	0.383	1.0	0.2
100yr24hr	SWMF	BASE	14.93	179.822	180.000	37997	1.819	0.386	1.1	0.2
100yr24hr	SWMF	BASE	15.01	179.834	180.000	38267	1.821	0.389	1.1	0.2
100yr24hr	SWMF	BASE	15.10	179.845	180.000	38534	1.814	0.392	1.1	0.2
100yr24hr	SWMF	BASE	15.18	179.856	180.000	38797	1.791	0.394	1.1	0.2
100yr24hr	SWMF	BASE	15.26	179.866	180.000	39051	1.749	0.397	1.1	0.2
100yr24hr	SWMF	BASE	15.35	179.877	180.000	39295	1.709	0.399	1.1	0.2
100yr24hr	SWMF	BASE	15.43	179.886	180.000	39531	1.677	0.402	1.1	0.2
100yr24hr	SWMF	BASE	15.51	179.896	180.000	39759	1.653	0.404	1.1	0.2
100yr24hr	SWMF	BASE	15.60	179.905	180.000	39983	1.634	0.406	1.1	0.2
100yr24hr	SWMF	BASE	15.68	179.914	180.000	40201	1.620	0.409	1.2	0.2
100yr24hr	SWMF	BASE	15.76	179.923	180.000	40416	1.609	0.411	1.2	0.2
100yr24hr	SWMF	BASE	15.85	179.932	180.000	40628	1.599	0.413	1.2	0.2
100yr24hr	SWMF	BASE	15.93	179.941	180.000	40836	1.592	0.415	1.2	0.2
100yr24hr	SWMF	BASE	16.01	179.949	180.000	41042	1.585	0.417	1.2	0.2
100yr24hr	SWMF	BASE	16.10	179.958	180.000	41245	1.570	0.419	1.2	0.2
100yr24hr	SWMF	BASE	16.18	179.966	180.000	41442	1.539	0.421	1.2	0.2
100yr24hr	SWMF	BASE	16.26	179.974	180.000	41631	1.491	0.423	1.2	0.2
100yr24hr	SWMF	BASE	16.35	179.982	180.000	41811	1.445	0.425	1.2	0.2
100yr24hr	SWMF	BASE	16.43	179.989	180.000	41983	1.408	0.427	1.3	0.2
100yr24hr	SWMF	BASE	16.51	179.996	180.000	42148	1.379	0.429	1.3	0.2
100yr24hr	SWMF	BASE	16.60	180.002	180.000	42323	1.358	0.430	1.3	0.2
100yr24hr	SWMF	BASE	16.68	180.009	180.000	42521	1.340	0.432	1.3	0.2
100yr24hr	SWMF	BASE	16.76	180.015	180.000	42714	1.326	0.434	1.3	0.2
100yr24hr	SWMF	BASE	16.85	180.021	180.000	42903	1.315	0.436	1.3	0.2
100yr24hr	SWMF	BASE	16.93	180.027	180.000	43089	1.306	0.438	1.3	0.2
100yr24hr	SWMF	BASE	17.01	180.033	180.000	43272	1.299	0.440	1.3	0.2
100yr24hr	SWMF	BASE	17.10	180.039	180.000	43452	1.293	0.442	1.3	0.2
100yr24hr	SWMF	BASE	17.18	180.045	180.000	43630	1.288	0.444	1.3	0.2
100yr24hr	SWMF	BASE	17.26	180.051	180.000	43806	1.284	0.445	1.3	0.2
100yr24hr	SWMF	BASE	17.35	180.057	180.000	43981	1.281	0.447	1.4	0.3
100yr24hr	SWMF	BASE	17.43	180.062	180.000	44153	1.279	0.449	1.4	0.3
100yr24hr	SWMF	BASE	17.51	180.068	180.000	44325	1.277	0.451	1.4	0.3
100yr24hr	SWMF	BASE	17.60	180.074	180.000	44494	1.276	0.452	1.4	0.3
100yr24hr	SWMF	BASE	17.68	180.079	180.000	44663	1.275	0.454	1.4	0.3
100yr24hr	SWMF	BASE	17.76	180.085	180.000	44831	1.275	0.456	1.4	0.3
100yr24hr	SWMF	BASE	17.85	180.090	180.000	44997	1.275	0.458	1.4	0.3
100yr24hr	SWMF	BASE	17.93	180.095	180.000	45163	1.275	0.459	1.4	0.3
100yr24hr	SWMF	BASE	18.01	180.101	180.000	45328	1.276	0.461	1.4	0.3
100yr24hr	SWMF	BASE	18.10	180.106	180.000	45492	1.277	0.463	1.4	0.3
100yr24hr	SWMF	BASE	18.18	180.112	180.000	45656	1.279	0.464	1.4	0.3
100yr24hr	SWMF	BASE	18.26	180.117	180.000	45819	1.280	0.466	1.5	0.3
100yr24hr	SWMF	BASE	18.35	180.122	180.000	45981	1.281	0.468	1.5	0.3
100yr24hr	SWMF	BASE	18.43	180.128	180.000	46143	1.282	0.469	1.5	0.3
100yr24hr	SWMF	BASE	18.51	180.133	180.000	46303	1.283	0.471	1.5	0.3
100yr24hr	SWMF	BASE	18.60	180.138	180.000	46464	1.284	0.472	1.5	0.3
100yr24hr	SWMF	BASE	18.68	180.143	180.000	46623	1.285	0.474	1.5	0.3
100yr24hr	SWMF	BASE	18.76	180.149	180.000	46782	1.286	0.476	1.5	0.3
100yr24hr	SWMF	BASE	18.85	180.154	180.000	46940	1.288	0.477	1.5	0.3
100yr24hr	SWMF	BASE	18.93	180.159	180.000	47098	1.289	0.479	1.5	0.3
100yr24hr	SWMF	BASE	19.01	180.164	180.000	47255	1.288	0.481	1.5	0.3
100yr24hr	SWMF	BASE	19.10	180.169	180.000	47410	1.278	0.482	1.5	0.3
100yr24hr	SWMF	BASE	19.18	180.174	180.000	47561	1.251	0.484	1.6	0.3
100yr24hr	SWMF	BASE	19.26	180.179	180.000	47704	1.205	0.485	1.6	0.3
100yr24hr	SWMF	BASE	19.35	180.183	180.000	47837	1.161	0.486	1.6	0.3
100yr24hr	SWMF	BASE	19.43	180.187	180.000	47962	1.125	0.488	1.6	0.3
100yr24hr	SWMF	BASE	19.51	180.191	180.000	48081	1.096	0.489	1.6	0.3
100yr24hr	SWMF	BASE	19.60	180.195	180.000	48194	1.075	0.490	1.6	0.3
100yr24hr	SWMF	BASE	19.68	180.198	180.000	48303	1.058	0.491	1.6	0.3
100yr24hr	SWMF	BASE	19.76	180.202	180.000	48409	1.044	0.492	1.6	0.3
100yr24hr	SWMF	BASE	19.85	180.205	180.000	48512	1.032	0.493	1.6	0.3
100yr24hr	SWMF	BASE	19.93	180.209	180.000	48612	1.022	0.494	1.6	0.4
100yr24hr	SWMF	BASE	20.01	180.212	180.000	48711	1.014	0.495	1.6	0.4
100yr24hr	SWMF	BASE	20.10	180.215	180.000	48807	1.008	0.496	1.6	0.4
100yr24hr	SWMF	BASE	20.18	180.218	180.000	48902	1.002	0.497	1.6	0.4
100yr24hr	SWMF	BASE	20.26	180.221	180.000	48996	0.997	0.498	1.6	0.4
100yr24hr	SWMF	BASE	20.35	180.224	180.000	49089	0.993	0.499	1.7	0.4
100yr24hr	SWMF	BASE	20.43	180.227	180.000	49180	0.990	0.500	1.7	0.4
100yr24hr	SWMF	BASE	20.51	180.230	180.000	49271	0.987	0.501	1.7	0.4
100yr24hr	SWMF	BASE	20.60	180.233	180.000	49361	0.985	0.502	1.7	0.4
100yr24hr	SWMF	BASE	20.68	180.236	180.000	49450	0.984	0.503	1.7	0.4
100yr24hr	SWMF	BASE	20.76	180.239	180.000	49539	0.983	0.504	1.7	0.4
100yr24hr	SWMF	BASE	20.85	180.242	180.000	49627	0.982	0.505	1.7	0.4
100yr24hr	SWMF	BASE	20.93	180.245	180.000	49715	0.982	0.506	1.7	0.4
100yr24hr	SWMF	BASE	21.01	180.248	180.000	49802	0.981	0.506	1.7	0.4
100yr24hr	SWMF	BASE	21.10	180.250	180.000	49889	0.970	0.507	1.7	0.4
100yr24hr	SWMF	BASE	21.18	180.253	180.000	49973	0.941	0.508	1.7	0.4
100yr24hr	SWMF	BASE	21.26	180.256	180.000	50050	0.894	0.509	1.7	0.4
100yr24hr	SWMF	BASE	21.35	180.258	180.000	50117	0.848	0.510	1.7	0.4
100yr24hr	SWMF	BASE	21.43	180.260	180.000	50176	0.811	0.512	1.7	0.4

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning	Surface	Total	Total	Total	Total
			hrs	ft	Stage ft	Area ft ²	Inflow cfs	Outflow cfs	Vol In af	Vol Out af
100yr24hr	SWMF	BASE	21.51	180.261	180.000	50229	0.781	0.513	1.7	0.4
100yr24hr	SWMF	BASE	21.60	180.263	180.000	50277	0.759	0.514	1.8	0.4
100yr24hr	SWMF	BASE	21.68	180.264	180.000	50321	0.741	0.515	1.8	0.4
100yr24hr	SWMF	BASE	21.76	180.266	180.000	50361	0.726	0.516	1.8	0.4
100yr24hr	SWMF	BASE	21.85	180.267	180.000	50399	0.714	0.518	1.8	0.4
100yr24hr	SWMF	BASE	21.93	180.268	180.000	50434	0.704	0.519	1.8	0.4
100yr24hr	SWMF	BASE	22.01	180.269	180.000	50468	0.694	0.520	1.8	0.4
100yr24hr	SWMF	BASE	22.10	180.270	180.000	50498	0.675	0.522	1.8	0.4
100yr24hr	SWMF	BASE	22.18	180.271	180.000	50524	0.640	0.523	1.8	0.4
100yr24hr	SWMF	BASE	22.26	180.271	180.000	50540	0.587	0.524	1.8	0.4
100yr24hr	SWMF	BASE	22.35	180.271	180.000	50547	0.537	0.524	1.8	0.5
100yr24hr	SWMF	BASE	22.43	180.271	180.000	50546	0.496	0.524	1.8	0.5
100yr24hr	SWMF	BASE	22.51	180.271	180.000	50538	0.463	0.523	1.8	0.5
100yr24hr	SWMF	BASE	22.60	180.271	180.000	50524	0.438	0.523	1.8	0.5
100yr24hr	SWMF	BASE	22.68	180.270	180.000	50507	0.418	0.522	1.8	0.5
100yr24hr	SWMF	BASE	22.76	180.270	180.000	50486	0.402	0.521	1.8	0.5
100yr24hr	SWMF	BASE	22.85	180.269	180.000	50462	0.388	0.520	1.8	0.5
100yr24hr	SWMF	BASE	22.93	180.268	180.000	50437	0.377	0.519	1.8	0.5
100yr24hr	SWMF	BASE	23.01	180.267	180.000	50410	0.368	0.518	1.8	0.5
100yr24hr	SWMF	BASE	23.10	180.266	180.000	50381	0.361	0.517	1.8	0.5
100yr24hr	SWMF	BASE	23.18	180.265	180.000	50352	0.354	0.516	1.8	0.5
100yr24hr	SWMF	BASE	23.26	180.264	180.000	50321	0.349	0.515	1.8	0.5
100yr24hr	SWMF	BASE	23.35	180.263	180.000	50290	0.345	0.514	1.8	0.5
100yr24hr	SWMF	BASE	23.43	180.262	180.000	50258	0.341	0.513	1.8	0.5
100yr24hr	SWMF	BASE	23.51	180.261	180.000	50226	0.338	0.513	1.8	0.5
100yr24hr	SWMF	BASE	23.60	180.260	180.000	50193	0.336	0.512	1.8	0.5
100yr24hr	SWMF	BASE	23.68	180.259	180.000	50160	0.334	0.511	1.8	0.5
100yr24hr	SWMF	BASE	23.76	180.258	180.000	50127	0.333	0.511	1.8	0.5
100yr24hr	SWMF	BASE	23.85	180.257	180.000	50094	0.331	0.510	1.8	0.5
100yr24hr	SWMF	BASE	23.93	180.256	180.000	50060	0.331	0.509	1.8	0.5
100yr24hr	SWMF	BASE	24.01	180.255	180.000	50027	0.329	0.509	1.8	0.5
100yr24hr	SWMF	BASE	24.10	180.254	180.000	49992	0.317	0.508	1.8	0.5
100yr24hr	SWMF	BASE	24.18	180.252	180.000	49954	0.288	0.508	1.8	0.5
100yr24hr	SWMF	BASE	24.26	180.251	180.000	49908	0.240	0.508	1.9	0.5
100yr24hr	SWMF	BASE	24.35	180.249	180.000	49854	0.193	0.507	1.9	0.5
100yr24hr	SWMF	BASE	24.43	180.247	180.000	49793	0.156	0.506	1.9	0.5
100yr24hr	SWMF	BASE	24.51	180.245	180.000	49726	0.126	0.506	1.9	0.5
100yr24hr	SWMF	BASE	24.60	180.243	180.000	49654	0.103	0.505	1.9	0.5
100yr24hr	SWMF	BASE	24.68	180.240	180.000	49578	0.085	0.504	1.9	0.6
100yr24hr	SWMF	BASE	24.76	180.238	180.000	49499	0.070	0.503	1.9	0.6
100yr24hr	SWMF	BASE	24.85	180.235	180.000	49418	0.057	0.503	1.9	0.6
100yr24hr	SWMF	BASE	24.93	180.232	180.000	49334	0.046	0.502	1.9	0.6
100yr24hr	SWMF	BASE	25.01	180.229	180.000	49249	0.037	0.501	1.9	0.6
100yr24hr	SWMF	BASE	25.10	180.227	180.000	49162	0.030	0.500	1.9	0.6
100yr24hr	SWMF	BASE	25.18	180.224	180.000	49074	0.024	0.499	1.9	0.6
100yr24hr	SWMF	BASE	25.26	180.221	180.000	48985	0.018	0.498	1.9	0.6
100yr24hr	SWMF	BASE	25.35	180.218	180.000	48895	0.014	0.497	1.9	0.6
100yr24hr	SWMF	BASE	25.43	180.215	180.000	48804	0.010	0.496	1.9	0.6
100yr24hr	SWMF	BASE	25.51	180.212	180.000	48713	0.008	0.495	1.9	0.6
100yr24hr	SWMF	BASE	25.60	180.209	180.000	48621	0.005	0.494	1.9	0.6
100yr24hr	SWMF	BASE	25.68	180.206	180.000	48529	0.003	0.493	1.9	0.6
100yr24hr	SWMF	BASE	25.76	180.203	180.000	48436	0.002	0.493	1.9	0.6
100yr24hr	SWMF	BASE	25.85	180.200	180.000	48344	0.001	0.492	1.9	0.6
100yr24hr	SWMF	BASE	25.93	180.197	180.000	48251	0.000	0.491	1.9	0.6
100yr24hr	SWMF	BASE	26.01	180.194	180.000	48158	0.000	0.490	1.9	0.6
100yr24hr	SWMF	BASE	26.10	180.191	180.000	48065	0.000	0.489	1.9	0.6
100yr24hr	SWMF	BASE	26.18	180.188	180.000	47972	0.000	0.488	1.9	0.6
100yr24hr	SWMF	BASE	26.26	180.184	180.000	47878	0.000	0.487	1.9	0.6
100yr24hr	SWMF	BASE	26.35	180.181	180.000	47785	0.000	0.486	1.9	0.6
100yr24hr	SWMF	BASE	26.43	180.178	180.000	47692	0.000	0.485	1.9	0.6
100yr24hr	SWMF	BASE	26.51	180.175	180.000	47599	0.000	0.484	1.9	0.6
100yr24hr	SWMF	BASE	26.60	180.172	180.000	47506	0.000	0.483	1.9	0.6
100yr24hr	SWMF	BASE	26.68	180.169	180.000	47413	0.000	0.482	1.9	0.6
100yr24hr	SWMF	BASE	26.76	180.166	180.000	47320	0.000	0.481	1.9	0.6
100yr24hr	SWMF	BASE	26.85	180.163	180.000	47227	0.000	0.480	1.9	0.6
100yr24hr	SWMF	BASE	26.93	180.160	180.000	47134	0.000	0.479	1.9	0.6
100yr24hr	SWMF	BASE	27.01	180.157	180.000	47041	0.000	0.478	1.9	0.6
100yr24hr	SWMF	BASE	27.10	180.154	180.000	46948	0.000	0.477	1.9	0.6
100yr24hr	SWMF	BASE	27.18	180.151	180.000	46855	0.000	0.476	1.9	0.7
100yr24hr	SWMF	BASE	27.26	180.148	180.000	46762	0.000	0.476	1.9	0.7
100yr24hr	SWMF	BASE	27.35	180.145	180.000	46669	0.000	0.475	1.9	0.7
100yr24hr	SWMF	BASE	27.43	180.142	180.000	46576	0.000	0.474	1.9	0.7
100yr24hr	SWMF	BASE	27.51	180.139	180.000	46483	0.000	0.473	1.9	0.7
100yr24hr	SWMF	BASE	27.60	180.136	180.000	46390	0.000	0.472	1.9	0.7
100yr24hr	SWMF	BASE	27.68	180.133	180.000	46297	0.000	0.471	1.9	0.7
100yr24hr	SWMF	BASE	27.76	180.130	180.000	46204	0.000	0.470	1.9	0.7
100yr24hr	SWMF	BASE	27.85	180.127	180.000	46111	0.000	0.469	1.9	0.7
100yr24hr	SWMF	BASE	27.93	180.123	180.000	46018	0.000	0.468	1.9	0.7
100yr24hr	SWMF	BASE	28.01	180.120	180.000	45925	0.000	0.467	1.9	0.7
100yr24hr	SWMF	BASE	28.10	180.117	180.000	45832	0.000	0.466	1.9	0.7
100yr24hr	SWMF	BASE	28.18	180.114	180.000	45739	0.000	0.465	1.9	0.7
100yr24hr	SWMF	BASE	28.26	180.111	180.000	45646	0.000	0.464	1.9	0.7
100yr24hr	SWMF	BASE	28.35	180.108	180.000	45553	0.000	0.463	1.9	0.7
100yr24hr	SWMF	BASE	28.43	180.105	180.000	45460	0.000	0.462	1.9	0.7
100yr24hr	SWMF	BASE	28.51	180.102	180.000	45367	0.000	0.461	1.9	0.7
100yr24hr	SWMF	BASE	28.60	180.099	180.000	45274	0.000	0.460	1.9	0.7

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	28.68	180.096	180.000	45181	0.000	0.459	1.9	0.7
100yr24hr	SWMF	BASE	28.76	180.093	180.000	45088	0.000	0.458	1.9	0.7
100yr24hr	SWMF	BASE	28.85	180.090	180.000	44995	0.000	0.458	1.9	0.7
100yr24hr	SWMF	BASE	28.93	180.087	180.000	44902	0.000	0.457	1.9	0.7
100yr24hr	SWMF	BASE	29.01	180.084	180.000	44809	0.000	0.456	1.9	0.7
100yr24hr	SWMF	BASE	29.10	180.081	180.000	44716	0.000	0.455	1.9	0.7
100yr24hr	SWMF	BASE	29.18	180.078	180.000	44623	0.000	0.454	1.9	0.7
100yr24hr	SWMF	BASE	29.26	180.075	180.000	44530	0.000	0.453	1.9	0.7
100yr24hr	SWMF	BASE	29.35	180.072	180.000	44437	0.000	0.452	1.9	0.7
100yr24hr	SWMF	BASE	29.43	180.069	180.000	44344	0.000	0.451	1.9	0.7
100yr24hr	SWMF	BASE	29.51	180.066	180.000	44251	0.000	0.450	1.9	0.7
100yr24hr	SWMF	BASE	29.60	180.062	180.000	44158	0.000	0.449	1.9	0.7
100yr24hr	SWMF	BASE	29.68	180.059	180.000	44065	0.000	0.448	1.9	0.7
100yr24hr	SWMF	BASE	29.76	180.056	180.000	43972	0.000	0.447	1.9	0.8
100yr24hr	SWMF	BASE	29.85	180.053	180.000	43879	0.000	0.446	1.9	0.8
100yr24hr	SWMF	BASE	29.93	180.050	180.000	43786	0.000	0.445	1.9	0.8
100yr24hr	SWMF	BASE	30.01	180.047	180.000	43693	0.000	0.444	1.9	0.8
100yr24hr	SWMF	BASE	30.10	180.044	180.000	43600	0.000	0.443	1.9	0.8
100yr24hr	SWMF	BASE	30.18	180.041	180.000	43507	0.000	0.442	1.9	0.8
100yr24hr	SWMF	BASE	30.26	180.038	180.000	43414	0.000	0.441	1.9	0.8
100yr24hr	SWMF	BASE	30.35	180.035	180.000	43321	0.000	0.440	1.9	0.8
100yr24hr	SWMF	BASE	30.43	180.032	180.000	43228	0.000	0.440	1.9	0.8
100yr24hr	SWMF	BASE	30.51	180.029	180.000	43135	0.000	0.439	1.9	0.8
100yr24hr	SWMF	BASE	30.60	180.026	180.000	43042	0.000	0.438	1.9	0.8
100yr24hr	SWMF	BASE	30.68	180.023	180.000	42949	0.000	0.437	1.9	0.8
100yr24hr	SWMF	BASE	30.76	180.020	180.000	42856	0.000	0.436	1.9	0.8
100yr24hr	SWMF	BASE	30.85	180.017	180.000	42763	0.000	0.435	1.9	0.8
100yr24hr	SWMF	BASE	30.93	180.014	180.000	42670	0.000	0.434	1.9	0.8
100yr24hr	SWMF	BASE	31.01	180.011	180.000	42577	0.000	0.433	1.9	0.8
100yr24hr	SWMF	BASE	31.10	180.008	180.000	42484	0.000	0.432	1.9	0.8
100yr24hr	SWMF	BASE	31.18	180.005	180.000	42391	0.000	0.431	1.9	0.8
100yr24hr	SWMF	BASE	31.26	180.001	180.000	42298	0.000	0.430	1.9	0.8
100yr24hr	SWMF	BASE	31.35	179.998	180.000	42215	0.000	0.429	1.9	0.8
100yr24hr	SWMF	BASE	31.43	179.995	180.000	42142	0.000	0.428	1.9	0.8
100yr24hr	SWMF	BASE	31.51	179.992	180.000	42069	0.000	0.428	1.9	0.8
100yr24hr	SWMF	BASE	31.60	179.989	180.000	41996	0.000	0.427	1.9	0.8
100yr24hr	SWMF	BASE	31.68	179.986	180.000	41923	0.000	0.426	1.9	0.8
100yr24hr	SWMF	BASE	31.76	179.983	180.000	41850	0.000	0.425	1.9	0.8
100yr24hr	SWMF	BASE	31.85	179.980	180.000	41777	0.000	0.425	1.9	0.8
100yr24hr	SWMF	BASE	31.93	179.977	180.000	41704	0.000	0.424	1.9	0.8
100yr24hr	SWMF	BASE	32.01	179.974	180.000	41631	0.000	0.423	1.9	0.8
100yr24hr	SWMF	BASE	32.10	179.971	180.000	41557	0.000	0.423	1.9	0.8
100yr24hr	SWMF	BASE	32.18	179.968	180.000	41484	0.000	0.422	1.9	0.8
100yr24hr	SWMF	BASE	32.26	179.965	180.000	41411	0.000	0.421	1.9	0.8
100yr24hr	SWMF	BASE	32.35	179.962	180.000	41338	0.000	0.420	1.9	0.8
100yr24hr	SWMF	BASE	32.43	179.959	180.000	41265	0.000	0.420	1.9	0.8
100yr24hr	SWMF	BASE	32.51	179.956	180.000	41192	0.000	0.419	1.9	0.8
100yr24hr	SWMF	BASE	32.60	179.953	180.000	41119	0.000	0.418	1.9	0.9
100yr24hr	SWMF	BASE	32.68	179.950	180.000	41046	0.000	0.417	1.9	0.9
100yr24hr	SWMF	BASE	32.76	179.947	180.000	40973	0.000	0.417	1.9	0.9
100yr24hr	SWMF	BASE	32.85	179.944	180.000	40900	0.000	0.416	1.9	0.9
100yr24hr	SWMF	BASE	32.93	179.940	180.000	40827	0.000	0.415	1.9	0.9
100yr24hr	SWMF	BASE	33.01	179.937	180.000	40754	0.000	0.414	1.9	0.9
100yr24hr	SWMF	BASE	33.10	179.934	180.000	40681	0.000	0.414	1.9	0.9
100yr24hr	SWMF	BASE	33.18	179.931	180.000	40608	0.000	0.413	1.9	0.9
100yr24hr	SWMF	BASE	33.26	179.928	180.000	40534	0.000	0.412	1.9	0.9
100yr24hr	SWMF	BASE	33.35	179.925	180.000	40461	0.000	0.411	1.9	0.9
100yr24hr	SWMF	BASE	33.43	179.922	180.000	40388	0.000	0.411	1.9	0.9
100yr24hr	SWMF	BASE	33.51	179.919	180.000	40315	0.000	0.410	1.9	0.9
100yr24hr	SWMF	BASE	33.60	179.916	180.000	40242	0.000	0.409	1.9	0.9
100yr24hr	SWMF	BASE	33.68	179.913	180.000	40169	0.000	0.408	1.9	0.9
100yr24hr	SWMF	BASE	33.76	179.910	180.000	40096	0.000	0.408	1.9	0.9
100yr24hr	SWMF	BASE	33.85	179.907	180.000	40023	0.000	0.407	1.9	0.9
100yr24hr	SWMF	BASE	33.93	179.904	180.000	39950	0.000	0.406	1.9	0.9
100yr24hr	SWMF	BASE	34.01	179.901	180.000	39877	0.000	0.405	1.9	0.9
100yr24hr	SWMF	BASE	34.10	179.898	180.000	39804	0.000	0.405	1.9	0.9
100yr24hr	SWMF	BASE	34.18	179.895	180.000	39731	0.000	0.404	1.9	0.9
100yr24hr	SWMF	BASE	34.26	179.892	180.000	39658	0.000	0.403	1.9	0.9
100yr24hr	SWMF	BASE	34.35	179.889	180.000	39585	0.000	0.402	1.9	0.9
100yr24hr	SWMF	BASE	34.43	179.886	180.000	39512	0.000	0.402	1.9	0.9
100yr24hr	SWMF	BASE	34.51	179.883	180.000	39438	0.000	0.401	1.9	0.9
100yr24hr	SWMF	BASE	34.60	179.879	180.000	39365	0.000	0.400	1.9	0.9
100yr24hr	SWMF	BASE	34.68	179.876	180.000	39292	0.000	0.399	1.9	0.9
100yr24hr	SWMF	BASE	34.76	179.873	180.000	39219	0.000	0.399	1.9	0.9
100yr24hr	SWMF	BASE	34.85	179.870	180.000	39146	0.000	0.398	1.9	0.9
100yr24hr	SWMF	BASE	34.93	179.867	180.000	39073	0.000	0.397	1.9	0.9
100yr24hr	SWMF	BASE	35.01	179.864	180.000	39000	0.000	0.396	1.9	0.9
100yr24hr	SWMF	BASE	35.10	179.861	180.000	38927	0.000	0.396	1.9	0.9
100yr24hr	SWMF	BASE	35.18	179.858	180.000	38854	0.000	0.395	1.9	0.9
100yr24hr	SWMF	BASE	35.26	179.855	180.000	38781	0.000	0.394	1.9	0.9
100yr24hr	SWMF	BASE	35.35	179.852	180.000	38708	0.000	0.393	1.9	0.9
100yr24hr	SWMF	BASE	35.43	179.849	180.000	38635	0.000	0.393	1.9	0.9
100yr24hr	SWMF	BASE	35.51	179.846	180.000	38562	0.000	0.392	1.9	1.0
100yr24hr	SWMF	BASE	35.60	179.843	180.000	38489	0.000	0.391	1.9	1.0
100yr24hr	SWMF	BASE	35.68	179.840	180.000	38416	0.000	0.391	1.9	1.0
100yr24hr	SWMF	BASE	35.76	179.837	180.000	38343	0.000	0.390	1.9	1.0

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	35.85	179.834	180.000	38269	0.000	0.389	1.9	1.0
100yr24hr	SWMF	BASE	35.93	179.831	180.000	38196	0.000	0.388	1.9	1.0
100yr24hr	SWMF	BASE	36.01	179.828	180.000	38123	0.000	0.388	1.9	1.0
100yr24hr	SWMF	BASE	36.10	179.825	180.000	38050	0.000	0.387	1.9	1.0
100yr24hr	SWMF	BASE	36.18	179.822	180.000	37977	0.000	0.386	1.9	1.0
100yr24hr	SWMF	BASE	36.26	179.818	180.000	37904	0.000	0.385	1.9	1.0
100yr24hr	SWMF	BASE	36.35	179.815	180.000	37831	0.000	0.385	1.9	1.0
100yr24hr	SWMF	BASE	36.43	179.812	180.000	37758	0.000	0.384	1.9	1.0
100yr24hr	SWMF	BASE	36.51	179.809	180.000	37685	0.000	0.383	1.9	1.0
100yr24hr	SWMF	BASE	36.60	179.806	180.000	37612	0.000	0.382	1.9	1.0
100yr24hr	SWMF	BASE	36.68	179.803	180.000	37539	0.000	0.382	1.9	1.0
100yr24hr	SWMF	BASE	36.76	179.800	180.000	37466	0.000	0.381	1.9	1.0
100yr24hr	SWMF	BASE	36.85	179.797	180.000	37393	0.000	0.380	1.9	1.0
100yr24hr	SWMF	BASE	36.93	179.794	180.000	37320	0.000	0.379	1.9	1.0
100yr24hr	SWMF	BASE	37.01	179.791	180.000	37247	0.000	0.379	1.9	1.0
100yr24hr	SWMF	BASE	37.10	179.788	180.000	37174	0.000	0.378	1.9	1.0
100yr24hr	SWMF	BASE	37.18	179.785	180.000	37101	0.000	0.377	1.9	1.0
100yr24hr	SWMF	BASE	37.26	179.782	180.000	37027	0.000	0.376	1.9	1.0
100yr24hr	SWMF	BASE	37.35	179.779	180.000	36954	0.000	0.376	1.9	1.0
100yr24hr	SWMF	BASE	37.43	179.776	180.000	36881	0.000	0.375	1.9	1.0
100yr24hr	SWMF	BASE	37.51	179.773	180.000	36808	0.000	0.374	1.9	1.0
100yr24hr	SWMF	BASE	37.60	179.770	180.000	36735	0.000	0.373	1.9	1.0
100yr24hr	SWMF	BASE	37.68	179.767	180.000	36662	0.000	0.373	1.9	1.0
100yr24hr	SWMF	BASE	37.76	179.764	180.000	36589	0.000	0.372	1.9	1.0
100yr24hr	SWMF	BASE	37.85	179.761	180.000	36516	0.000	0.371	1.9	1.0
100yr24hr	SWMF	BASE	37.93	179.757	180.000	36443	0.000	0.370	1.9	1.0
100yr24hr	SWMF	BASE	38.01	179.754	180.000	36370	0.000	0.370	1.9	1.0
100yr24hr	SWMF	BASE	38.10	179.751	180.000	36297	0.000	0.369	1.9	1.0
100yr24hr	SWMF	BASE	38.18	179.748	180.000	36224	0.000	0.368	1.9	1.0
100yr24hr	SWMF	BASE	38.26	179.745	180.000	36151	0.000	0.367	1.9	1.0
100yr24hr	SWMF	BASE	38.35	179.742	180.000	36078	0.000	0.367	1.9	1.0
100yr24hr	SWMF	BASE	38.43	179.739	180.000	36005	0.000	0.366	1.9	1.0
100yr24hr	SWMF	BASE	38.51	179.736	180.000	35932	0.000	0.365	1.9	1.0
100yr24hr	SWMF	BASE	38.60	179.733	180.000	35859	0.000	0.364	1.9	1.0
100yr24hr	SWMF	BASE	38.68	179.730	180.000	35786	0.000	0.364	1.9	1.0
100yr24hr	SWMF	BASE	38.76	179.727	180.000	35713	0.000	0.363	1.9	1.1
100yr24hr	SWMF	BASE	38.85	179.724	180.000	35639	0.000	0.362	1.9	1.1
100yr24hr	SWMF	BASE	38.93	179.721	180.000	35566	0.000	0.361	1.9	1.1
100yr24hr	SWMF	BASE	39.01	179.718	180.000	35493	0.000	0.361	1.9	1.1
100yr24hr	SWMF	BASE	39.10	179.715	180.000	35420	0.000	0.360	1.9	1.1
100yr24hr	SWMF	BASE	39.18	179.712	180.000	35347	0.000	0.359	1.9	1.1
100yr24hr	SWMF	BASE	39.26	179.709	180.000	35274	0.000	0.359	1.9	1.1
100yr24hr	SWMF	BASE	39.35	179.706	180.000	35201	0.000	0.358	1.9	1.1
100yr24hr	SWMF	BASE	39.43	179.703	180.000	35128	0.000	0.357	1.9	1.1
100yr24hr	SWMF	BASE	39.51	179.700	180.000	35055	0.000	0.356	1.9	1.1
100yr24hr	SWMF	BASE	39.60	179.697	180.000	34982	0.000	0.356	1.9	1.1
100yr24hr	SWMF	BASE	39.68	179.693	180.000	34909	0.000	0.355	1.9	1.1
100yr24hr	SWMF	BASE	39.76	179.690	180.000	34836	0.000	0.354	1.9	1.1
100yr24hr	SWMF	BASE	39.85	179.687	180.000	34763	0.000	0.353	1.9	1.1
100yr24hr	SWMF	BASE	39.93	179.684	180.000	34690	0.000	0.353	1.9	1.1
100yr24hr	SWMF	BASE	40.01	179.681	180.000	34617	0.000	0.352	1.9	1.1
100yr24hr	SWMF	BASE	40.10	179.678	180.000	34544	0.000	0.351	1.9	1.1
100yr24hr	SWMF	BASE	40.18	179.675	180.000	34471	0.000	0.350	1.9	1.1
100yr24hr	SWMF	BASE	40.26	179.672	180.000	34398	0.000	0.350	1.9	1.1
100yr24hr	SWMF	BASE	40.35	179.669	180.000	34325	0.000	0.349	1.9	1.1
100yr24hr	SWMF	BASE	40.43	179.666	180.000	34252	0.000	0.348	1.9	1.1
100yr24hr	SWMF	BASE	40.51	179.663	180.000	34179	0.000	0.347	1.9	1.1
100yr24hr	SWMF	BASE	40.60	179.660	180.000	34105	0.000	0.347	1.9	1.1
100yr24hr	SWMF	BASE	40.68	179.657	180.000	34032	0.000	0.346	1.9	1.1
100yr24hr	SWMF	BASE	40.76	179.654	180.000	33959	0.000	0.345	1.9	1.1
100yr24hr	SWMF	BASE	40.85	179.651	180.000	33886	0.000	0.344	1.9	1.1
100yr24hr	SWMF	BASE	40.93	179.648	180.000	33813	0.000	0.344	1.9	1.1
100yr24hr	SWMF	BASE	41.01	179.645	180.000	33740	0.000	0.343	1.9	1.1
100yr24hr	SWMF	BASE	41.10	179.642	180.000	33667	0.000	0.342	1.9	1.1
100yr24hr	SWMF	BASE	41.18	179.639	180.000	33594	0.000	0.341	1.9	1.1
100yr24hr	SWMF	BASE	41.26	179.636	180.000	33521	0.000	0.341	1.9	1.1
100yr24hr	SWMF	BASE	41.35	179.632	180.000	33448	0.000	0.340	1.9	1.1
100yr24hr	SWMF	BASE	41.43	179.629	180.000	33375	0.000	0.339	1.9	1.1
100yr24hr	SWMF	BASE	41.51	179.626	180.000	33302	0.000	0.338	1.9	1.1
100yr24hr	SWMF	BASE	41.60	179.623	180.000	33229	0.000	0.338	1.9	1.1
100yr24hr	SWMF	BASE	41.68	179.620	180.000	33156	0.000	0.337	1.9	1.1
100yr24hr	SWMF	BASE	41.76	179.617	180.000	33083	0.000	0.336	1.9	1.1
100yr24hr	SWMF	BASE	41.85	179.614	180.000	33010	0.000	0.335	1.9	1.1
100yr24hr	SWMF	BASE	41.93	179.611	180.000	32937	0.000	0.335	1.9	1.1
100yr24hr	SWMF	BASE	42.01	179.608	180.000	32864	0.000	0.334	1.9	1.1
100yr24hr	SWMF	BASE	42.10	179.605	180.000	32791	0.000	0.333	1.9	1.1
100yr24hr	SWMF	BASE	42.18	179.602	180.000	32718	0.000	0.332	1.9	1.2
100yr24hr	SWMF	BASE	42.26	179.599	180.000	32645	0.000	0.332	1.9	1.2
100yr24hr	SWMF	BASE	42.35	179.596	180.000	32572	0.000	0.331	1.9	1.2
100yr24hr	SWMF	BASE	42.43	179.593	180.000	32499	0.000	0.330	1.9	1.2
100yr24hr	SWMF	BASE	42.51	179.590	180.000	32426	0.000	0.329	1.9	1.2
100yr24hr	SWMF	BASE	42.60	179.587	180.000	32353	0.000	0.329	1.9	1.2
100yr24hr	SWMF	BASE	42.68	179.584	180.000	32280	0.000	0.328	1.9	1.2
100yr24hr	SWMF	BASE	42.76	179.581	180.000	32206	0.000	0.327	1.9	1.2
100yr24hr	SWMF	BASE	42.85	179.578	180.000	32133	0.000	0.327	1.9	1.2
100yr24hr	SWMF	BASE	42.93	179.575	180.000	32060	0.000	0.326	1.9	1.2

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	43.01	179.572	180.000	31987	0.000	0.325	1.9	1.2
100yr24hr	SWMF	BASE	43.10	179.568	180.000	31914	0.000	0.324	1.9	1.2
100yr24hr	SWMF	BASE	43.18	179.565	180.000	31841	0.000	0.324	1.9	1.2
100yr24hr	SWMF	BASE	43.26	179.562	180.000	31768	0.000	0.323	1.9	1.2
100yr24hr	SWMF	BASE	43.35	179.559	180.000	31695	0.000	0.322	1.9	1.2
100yr24hr	SWMF	BASE	43.43	179.556	180.000	31622	0.000	0.321	1.9	1.2
100yr24hr	SWMF	BASE	43.51	179.553	180.000	31549	0.000	0.321	1.9	1.2
100yr24hr	SWMF	BASE	43.60	179.550	180.000	31476	0.000	0.320	1.9	1.2
100yr24hr	SWMF	BASE	43.68	179.547	180.000	31403	0.000	0.319	1.9	1.2
100yr24hr	SWMF	BASE	43.76	179.544	180.000	31330	0.000	0.318	1.9	1.2
100yr24hr	SWMF	BASE	43.85	179.541	180.000	31257	0.000	0.318	1.9	1.2
100yr24hr	SWMF	BASE	43.93	179.538	180.000	31184	0.000	0.317	1.9	1.2
100yr24hr	SWMF	BASE	44.01	179.535	180.000	31111	0.000	0.316	1.9	1.2
100yr24hr	SWMF	BASE	44.10	179.532	180.000	31038	0.000	0.315	1.9	1.2
100yr24hr	SWMF	BASE	44.18	179.529	180.000	30965	0.000	0.315	1.9	1.2
100yr24hr	SWMF	BASE	44.26	179.526	180.000	30892	0.000	0.314	1.9	1.2
100yr24hr	SWMF	BASE	44.35	179.523	180.000	30819	0.000	0.313	1.9	1.2
100yr24hr	SWMF	BASE	44.43	179.520	180.000	30746	0.000	0.312	1.9	1.2
100yr24hr	SWMF	BASE	44.51	179.517	180.000	30673	0.000	0.312	1.9	1.2
100yr24hr	SWMF	BASE	44.60	179.514	180.000	30600	0.000	0.311	1.9	1.2
100yr24hr	SWMF	BASE	44.68	179.511	180.000	30527	0.000	0.310	1.9	1.2
100yr24hr	SWMF	BASE	44.76	179.507	180.000	30454	0.000	0.309	1.9	1.2
100yr24hr	SWMF	BASE	44.85	179.504	180.000	30381	0.000	0.309	1.9	1.2
100yr24hr	SWMF	BASE	44.93	179.501	180.000	30308	0.000	0.308	1.9	1.2
100yr24hr	SWMF	BASE	45.01	179.498	180.000	30235	0.000	0.307	1.9	1.2
100yr24hr	SWMF	BASE	45.10	179.495	180.000	30162	0.000	0.306	1.9	1.2
100yr24hr	SWMF	BASE	45.18	179.492	180.000	30089	0.000	0.306	1.9	1.2
100yr24hr	SWMF	BASE	45.26	179.489	180.000	30016	0.000	0.305	1.9	1.2
100yr24hr	SWMF	BASE	45.35	179.486	180.000	29943	0.000	0.304	1.9	1.2
100yr24hr	SWMF	BASE	45.43	179.483	180.000	29870	0.000	0.303	1.9	1.2
100yr24hr	SWMF	BASE	45.51	179.480	180.000	29797	0.000	0.303	1.9	1.2
100yr24hr	SWMF	BASE	45.60	179.477	180.000	29724	0.000	0.302	1.9	1.2
100yr24hr	SWMF	BASE	45.68	179.474	180.000	29651	0.000	0.301	1.9	1.2
100yr24hr	SWMF	BASE	45.76	179.471	180.000	29578	0.000	0.300	1.9	1.2
100yr24hr	SWMF	BASE	45.85	179.468	180.000	29505	0.000	0.300	1.9	1.2
100yr24hr	SWMF	BASE	45.93	179.465	180.000	29432	0.000	0.299	1.9	1.2
100yr24hr	SWMF	BASE	46.01	179.462	180.000	29359	0.000	0.298	1.9	1.2
100yr24hr	SWMF	BASE	46.10	179.459	180.000	29285	0.000	0.298	1.9	1.3
100yr24hr	SWMF	BASE	46.18	179.456	180.000	29212	0.000	0.297	1.9	1.3
100yr24hr	SWMF	BASE	46.26	179.453	180.000	29139	0.000	0.296	1.9	1.3
100yr24hr	SWMF	BASE	46.35	179.450	180.000	29066	0.000	0.295	1.9	1.3
100yr24hr	SWMF	BASE	46.43	179.447	180.000	28993	0.000	0.295	1.9	1.3
100yr24hr	SWMF	BASE	46.51	179.443	180.000	28920	0.000	0.294	1.9	1.3
100yr24hr	SWMF	BASE	46.60	179.440	180.000	28847	0.000	0.293	1.9	1.3
100yr24hr	SWMF	BASE	46.68	179.437	180.000	28774	0.000	0.292	1.9	1.3
100yr24hr	SWMF	BASE	46.76	179.434	180.000	28701	0.000	0.292	1.9	1.3
100yr24hr	SWMF	BASE	46.85	179.431	180.000	28628	0.000	0.291	1.9	1.3
100yr24hr	SWMF	BASE	46.93	179.428	180.000	28555	0.000	0.290	1.9	1.3
100yr24hr	SWMF	BASE	47.01	179.425	180.000	28482	0.000	0.289	1.9	1.3
100yr24hr	SWMF	BASE	47.10	179.422	180.000	28409	0.000	0.289	1.9	1.3
100yr24hr	SWMF	BASE	47.18	179.419	180.000	28336	0.000	0.288	1.9	1.3
100yr24hr	SWMF	BASE	47.26	179.416	180.000	28263	0.000	0.287	1.9	1.3
100yr24hr	SWMF	BASE	47.35	179.413	180.000	28190	0.000	0.286	1.9	1.3
100yr24hr	SWMF	BASE	47.43	179.410	180.000	28117	0.000	0.286	1.9	1.3
100yr24hr	SWMF	BASE	47.51	179.407	180.000	28044	0.000	0.285	1.9	1.3
100yr24hr	SWMF	BASE	47.60	179.404	180.000	27971	0.000	0.284	1.9	1.3
100yr24hr	SWMF	BASE	47.68	179.401	180.000	27898	0.000	0.283	1.9	1.3
100yr24hr	SWMF	BASE	47.76	179.398	180.000	27825	0.000	0.283	1.9	1.3
100yr24hr	SWMF	BASE	47.85	179.395	180.000	27752	0.000	0.282	1.9	1.3
100yr24hr	SWMF	BASE	47.93	179.392	180.000	27679	0.000	0.281	1.9	1.3
100yr24hr	SWMF	BASE	48.01	179.389	180.000	27606	0.000	0.280	1.9	1.3
100yr24hr	SWMF	BASE	48.10	179.386	180.000	27533	0.000	0.280	1.9	1.3
100yr24hr	SWMF	BASE	48.18	179.383	180.000	27460	0.000	0.279	1.9	1.3
100yr24hr	SWMF	BASE	48.26	179.379	180.000	27387	0.000	0.278	1.9	1.3
100yr24hr	SWMF	BASE	48.35	179.376	180.000	27314	0.000	0.277	1.9	1.3
100yr24hr	SWMF	BASE	48.43	179.373	180.000	27241	0.000	0.277	1.9	1.3
100yr24hr	SWMF	BASE	48.51	179.370	180.000	27168	0.000	0.276	1.9	1.3
100yr24hr	SWMF	BASE	48.60	179.367	180.000	27095	0.000	0.275	1.9	1.3
100yr24hr	SWMF	BASE	48.68	179.364	180.000	27022	0.000	0.274	1.9	1.3
100yr24hr	SWMF	BASE	48.76	179.361	180.000	26949	0.000	0.274	1.9	1.3
100yr24hr	SWMF	BASE	48.85	179.358	180.000	26876	0.000	0.273	1.9	1.3
100yr24hr	SWMF	BASE	48.93	179.355	180.000	26803	0.000	0.272	1.9	1.3
100yr24hr	SWMF	BASE	49.01	179.352	180.000	26730	0.000	0.271	1.9	1.3
100yr24hr	SWMF	BASE	49.10	179.349	180.000	26657	0.000	0.271	1.9	1.3
100yr24hr	SWMF	BASE	49.18	179.346	180.000	26584	0.000	0.270	1.9	1.3
100yr24hr	SWMF	BASE	49.26	179.343	180.000	26511	0.000	0.269	1.9	1.3
100yr24hr	SWMF	BASE	49.35	179.340	180.000	26438	0.000	0.269	1.9	1.3
100yr24hr	SWMF	BASE	49.43	179.337	180.000	26365	0.000	0.268	1.9	1.3
100yr24hr	SWMF	BASE	49.51	179.334	180.000	26292	0.000	0.267	1.9	1.3
100yr24hr	SWMF	BASE	49.60	179.331	180.000	26219	0.000	0.266	1.9	1.3
100yr24hr	SWMF	BASE	49.68	179.328	180.000	26146	0.000	0.266	1.9	1.3
100yr24hr	SWMF	BASE	49.76	179.325	180.000	26073	0.000	0.265	1.9	1.3
100yr24hr	SWMF	BASE	49.85	179.322	180.000	26000	0.000	0.264	1.9	1.3
100yr24hr	SWMF	BASE	49.93	179.319	180.000	25927	0.000	0.263	1.9	1.3
100yr24hr	SWMF	BASE	50.01	179.316	180.000	25854	0.000	0.263	1.9	1.3
100yr24hr	SWMF	BASE	50.10	179.312	180.000	25781	0.000	0.262	1.9	1.3

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	50.18	179.309	180.000	25708	0.000	0.261	1.9	1.3
100yr24hr	SWMF	BASE	50.26	179.306	180.000	25635	0.000	0.260	1.9	1.3
100yr24hr	SWMF	BASE	50.35	179.303	180.000	25562	0.000	0.260	1.9	1.3
100yr24hr	SWMF	BASE	50.43	179.300	180.000	25489	0.000	0.259	1.9	1.4
100yr24hr	SWMF	BASE	50.51	179.297	180.000	25416	0.000	0.258	1.9	1.4
100yr24hr	SWMF	BASE	50.60	179.294	180.000	25343	0.000	0.257	1.9	1.4
100yr24hr	SWMF	BASE	50.68	179.291	180.000	25270	0.000	0.257	1.9	1.4
100yr24hr	SWMF	BASE	50.76	179.288	180.000	25197	0.000	0.256	1.9	1.4
100yr24hr	SWMF	BASE	50.85	179.285	180.000	25124	0.000	0.255	1.9	1.4
100yr24hr	SWMF	BASE	50.93	179.282	180.000	25051	0.000	0.254	1.9	1.4
100yr24hr	SWMF	BASE	51.01	179.279	180.000	24978	0.000	0.254	1.9	1.4
100yr24hr	SWMF	BASE	51.10	179.276	180.000	24906	0.000	0.253	1.9	1.4
100yr24hr	SWMF	BASE	51.18	179.273	180.000	24833	0.000	0.252	1.9	1.4
100yr24hr	SWMF	BASE	51.26	179.270	180.000	24760	0.000	0.251	1.9	1.4
100yr24hr	SWMF	BASE	51.35	179.267	180.000	24687	0.000	0.251	1.9	1.4
100yr24hr	SWMF	BASE	51.43	179.264	180.000	24614	0.000	0.250	1.9	1.4
100yr24hr	SWMF	BASE	51.51	179.261	180.000	24541	0.000	0.249	1.9	1.4
100yr24hr	SWMF	BASE	51.60	179.258	180.000	24468	0.000	0.248	1.9	1.4
100yr24hr	SWMF	BASE	51.68	179.255	180.000	24395	0.000	0.248	1.9	1.4
100yr24hr	SWMF	BASE	51.76	179.252	180.000	24322	0.000	0.247	1.9	1.4
100yr24hr	SWMF	BASE	51.85	179.248	180.000	24249	0.000	0.246	1.9	1.4
100yr24hr	SWMF	BASE	51.93	179.245	180.000	24176	0.000	0.245	1.9	1.4
100yr24hr	SWMF	BASE	52.01	179.242	180.000	24103	0.000	0.245	1.9	1.4
100yr24hr	SWMF	BASE	52.10	179.239	180.000	24030	0.000	0.244	1.9	1.4
100yr24hr	SWMF	BASE	52.18	179.236	180.000	23957	0.000	0.243	1.9	1.4
100yr24hr	SWMF	BASE	52.26	179.233	180.000	23884	0.000	0.242	1.9	1.4
100yr24hr	SWMF	BASE	52.35	179.230	180.000	23811	0.000	0.242	1.9	1.4
100yr24hr	SWMF	BASE	52.43	179.227	180.000	23738	0.000	0.241	1.9	1.4
100yr24hr	SWMF	BASE	52.51	179.224	180.000	23665	0.000	0.240	1.9	1.4
100yr24hr	SWMF	BASE	52.60	179.221	180.000	23592	0.000	0.240	1.9	1.4
100yr24hr	SWMF	BASE	52.68	179.218	180.000	23519	0.000	0.239	1.9	1.4
100yr24hr	SWMF	BASE	52.76	179.215	180.000	23446	0.000	0.238	1.9	1.4
100yr24hr	SWMF	BASE	52.85	179.212	180.000	23373	0.000	0.237	1.9	1.4
100yr24hr	SWMF	BASE	52.93	179.209	180.000	23300	0.000	0.237	1.9	1.4
100yr24hr	SWMF	BASE	53.01	179.206	180.000	23227	0.000	0.236	1.9	1.4
100yr24hr	SWMF	BASE	53.10	179.203	180.000	23154	0.000	0.235	1.9	1.4
100yr24hr	SWMF	BASE	53.18	179.200	180.000	23081	0.000	0.234	1.9	1.4
100yr24hr	SWMF	BASE	53.26	179.197	180.000	23008	0.000	0.234	1.9	1.4
100yr24hr	SWMF	BASE	53.35	179.194	180.000	22935	0.000	0.233	1.9	1.4
100yr24hr	SWMF	BASE	53.43	179.191	180.000	22862	0.000	0.232	1.9	1.4
100yr24hr	SWMF	BASE	53.51	179.188	180.000	22789	0.000	0.231	1.9	1.4
100yr24hr	SWMF	BASE	53.60	179.185	180.000	22716	0.000	0.231	1.9	1.4
100yr24hr	SWMF	BASE	53.68	179.181	180.000	22643	0.000	0.230	1.9	1.4
100yr24hr	SWMF	BASE	53.76	179.178	180.000	22570	0.000	0.229	1.9	1.4
100yr24hr	SWMF	BASE	53.85	179.175	180.000	22497	0.000	0.228	1.9	1.4
100yr24hr	SWMF	BASE	53.93	179.172	180.000	22425	0.000	0.228	1.9	1.4
100yr24hr	SWMF	BASE	54.01	179.169	180.000	22352	0.000	0.227	1.9	1.4
100yr24hr	SWMF	BASE	54.10	179.166	180.000	22279	0.000	0.226	1.9	1.4
100yr24hr	SWMF	BASE	54.18	179.163	180.000	22206	0.000	0.225	1.9	1.4
100yr24hr	SWMF	BASE	54.26	179.160	180.000	22133	0.000	0.225	1.9	1.4
100yr24hr	SWMF	BASE	54.35	179.157	180.000	22060	0.000	0.224	1.9	1.4
100yr24hr	SWMF	BASE	54.43	179.154	180.000	21987	0.000	0.223	1.9	1.4
100yr24hr	SWMF	BASE	54.51	179.151	180.000	21914	0.000	0.222	1.9	1.4
100yr24hr	SWMF	BASE	54.60	179.148	180.000	21841	0.000	0.222	1.9	1.4
100yr24hr	SWMF	BASE	54.68	179.145	180.000	21768	0.000	0.221	1.9	1.4
100yr24hr	SWMF	BASE	54.76	179.142	180.000	21695	0.000	0.220	1.9	1.4
100yr24hr	SWMF	BASE	54.85	179.139	180.000	21622	0.000	0.219	1.9	1.4
100yr24hr	SWMF	BASE	54.93	179.136	180.000	21549	0.000	0.219	1.9	1.4
100yr24hr	SWMF	BASE	55.01	179.133	180.000	21476	0.000	0.218	1.9	1.4
100yr24hr	SWMF	BASE	55.10	179.130	180.000	21403	0.000	0.217	1.9	1.4
100yr24hr	SWMF	BASE	55.18	179.127	180.000	21330	0.000	0.216	1.9	1.4
100yr24hr	SWMF	BASE	55.26	179.124	180.000	21257	0.000	0.216	1.9	1.4
100yr24hr	SWMF	BASE	55.35	179.121	180.000	21184	0.000	0.215	1.9	1.4
100yr24hr	SWMF	BASE	55.43	179.118	180.000	21111	0.000	0.214	1.9	1.4
100yr24hr	SWMF	BASE	55.51	179.115	180.000	21039	0.000	0.214	1.9	1.5
100yr24hr	SWMF	BASE	55.60	179.111	180.000	20966	0.000	0.213	1.9	1.5
100yr24hr	SWMF	BASE	55.68	179.108	180.000	20893	0.000	0.212	1.9	1.5
100yr24hr	SWMF	BASE	55.76	179.105	180.000	20820	0.000	0.211	1.9	1.5
100yr24hr	SWMF	BASE	55.85	179.102	180.000	20747	0.000	0.211	1.9	1.5
100yr24hr	SWMF	BASE	55.93	179.099	180.000	20674	0.000	0.210	1.9	1.5
100yr24hr	SWMF	BASE	56.01	179.096	180.000	20601	0.000	0.209	1.9	1.5
100yr24hr	SWMF	BASE	56.10	179.093	180.000	20528	0.000	0.208	1.9	1.5
100yr24hr	SWMF	BASE	56.18	179.090	180.000	20455	0.000	0.208	1.9	1.5
100yr24hr	SWMF	BASE	56.26	179.087	180.000	20382	0.000	0.207	1.9	1.5
100yr24hr	SWMF	BASE	56.35	179.084	180.000	20309	0.000	0.206	1.9	1.5
100yr24hr	SWMF	BASE	56.43	179.081	180.000	20236	0.000	0.205	1.9	1.5
100yr24hr	SWMF	BASE	56.51	179.078	180.000	20163	0.000	0.205	1.9	1.5
100yr24hr	SWMF	BASE	56.60	179.075	180.000	20090	0.000	0.204	1.9	1.5
100yr24hr	SWMF	BASE	56.68	179.072	180.000	20017	0.000	0.203	1.9	1.5
100yr24hr	SWMF	BASE	56.76	179.069	180.000	19945	0.000	0.202	1.9	1.5
100yr24hr	SWMF	BASE	56.85	179.066	180.000	19872	0.000	0.202	1.9	1.5
100yr24hr	SWMF	BASE	56.93	179.063	180.000	19799	0.000	0.201	1.9	1.5
100yr24hr	SWMF	BASE	57.01	179.060	180.000	19726	0.000	0.200	1.9	1.5
100yr24hr	SWMF	BASE	57.10	179.057	180.000	19653	0.000	0.199	1.9	1.5
100yr24hr	SWMF	BASE	57.18	179.054	180.000	19580	0.000	0.199	1.9	1.5
100yr24hr	SWMF	BASE	57.26	179.051	180.000	19507	0.000	0.198	1.9	1.5

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	57.35	179.048	180.000	19434	0.000	0.197	1.9	1.5
100yr24hr	SWMF	BASE	57.43	179.044	180.000	19361	0.000	0.196	1.9	1.5
100yr24hr	SWMF	BASE	57.51	179.041	180.000	19288	0.000	0.196	1.9	1.5
100yr24hr	SWMF	BASE	57.60	179.038	180.000	19215	0.000	0.195	1.9	1.5
100yr24hr	SWMF	BASE	57.68	179.035	180.000	19142	0.000	0.194	1.9	1.5
100yr24hr	SWMF	BASE	57.76	179.032	180.000	19069	0.000	0.193	1.9	1.5
100yr24hr	SWMF	BASE	57.85	179.029	180.000	18997	0.000	0.193	1.9	1.5
100yr24hr	SWMF	BASE	57.93	179.026	180.000	18924	0.000	0.192	1.9	1.5
100yr24hr	SWMF	BASE	58.01	179.023	180.000	18851	0.000	0.191	1.9	1.5
100yr24hr	SWMF	BASE	58.10	179.020	180.000	18778	0.000	0.190	1.9	1.5
100yr24hr	SWMF	BASE	58.18	179.017	180.000	18705	0.000	0.190	1.9	1.5
100yr24hr	SWMF	BASE	58.26	179.014	180.000	18632	0.000	0.189	1.9	1.5
100yr24hr	SWMF	BASE	58.35	179.011	180.000	18559	0.000	0.188	1.9	1.5
100yr24hr	SWMF	BASE	58.43	179.008	180.000	18486	0.000	0.188	1.9	1.5
100yr24hr	SWMF	BASE	58.51	179.005	180.000	18413	0.000	0.187	1.9	1.5
100yr24hr	SWMF	BASE	58.60	179.002	180.000	18340	0.000	0.186	1.9	1.5
100yr24hr	SWMF	BASE	58.68	178.999	180.000	18289	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	58.76	178.996	180.000	18271	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	58.85	178.993	180.000	18254	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	58.93	178.990	180.000	18237	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	59.01	178.987	180.000	18220	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	59.10	178.984	180.000	18203	0.000	0.185	1.9	1.5
100yr24hr	SWMF	BASE	59.18	178.981	180.000	18185	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.26	178.978	180.000	18168	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.35	178.975	180.000	18151	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.43	178.971	180.000	18134	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.51	178.968	180.000	18116	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.60	178.965	180.000	18099	0.000	0.184	1.9	1.5
100yr24hr	SWMF	BASE	59.68	178.962	180.000	18082	0.000	0.183	1.9	1.5
100yr24hr	SWMF	BASE	59.76	178.959	180.000	18065	0.000	0.183	1.9	1.5
100yr24hr	SWMF	BASE	59.85	178.956	180.000	18047	0.000	0.183	1.9	1.5
100yr24hr	SWMF	BASE	59.93	178.953	180.000	18030	0.000	0.183	1.9	1.5
100yr24hr	SWMF	BASE	60.01	178.950	180.000	18013	0.000	0.183	1.9	1.5
100yr24hr	SWMF	BASE	60.10	178.947	180.000	17996	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.18	178.944	180.000	17979	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.26	178.941	180.000	17961	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.35	178.938	180.000	17944	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.43	178.935	180.000	17927	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.51	178.932	180.000	17910	0.000	0.182	1.9	1.5
100yr24hr	SWMF	BASE	60.60	178.929	180.000	17892	0.000	0.181	1.9	1.5
100yr24hr	SWMF	BASE	60.68	178.926	180.000	17875	0.000	0.181	1.9	1.5
100yr24hr	SWMF	BASE	60.76	178.923	180.000	17858	0.000	0.181	1.9	1.5
100yr24hr	SWMF	BASE	60.85	178.920	180.000	17841	0.000	0.181	1.9	1.5
100yr24hr	SWMF	BASE	60.93	178.917	180.000	17824	0.000	0.181	1.9	1.5
100yr24hr	SWMF	BASE	61.01	178.914	180.000	17806	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.10	178.911	180.000	17789	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.18	178.908	180.000	17772	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.26	178.905	180.000	17755	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.35	178.902	180.000	17737	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.43	178.898	180.000	17720	0.000	0.180	1.9	1.5
100yr24hr	SWMF	BASE	61.51	178.895	180.000	17703	0.000	0.179	1.9	1.5
100yr24hr	SWMF	BASE	61.60	178.892	180.000	17686	0.000	0.179	1.9	1.5
100yr24hr	SWMF	BASE	61.68	178.889	180.000	17669	0.000	0.179	1.9	1.5
100yr24hr	SWMF	BASE	61.76	178.886	180.000	17651	0.000	0.179	1.9	1.5
100yr24hr	SWMF	BASE	61.85	178.883	180.000	17634	0.000	0.179	1.9	1.6
100yr24hr	SWMF	BASE	61.93	178.880	180.000	17617	0.000	0.179	1.9	1.6
100yr24hr	SWMF	BASE	62.01	178.877	180.000	17600	0.000	0.178	1.9	1.6
100yr24hr	SWMF	BASE	62.10	178.874	180.000	17583	0.000	0.178	1.9	1.6
100yr24hr	SWMF	BASE	62.18	178.871	180.000	17565	0.000	0.178	1.9	1.6
100yr24hr	SWMF	BASE	62.26	178.868	180.000	17548	0.000	0.178	1.9	1.6
100yr24hr	SWMF	BASE	62.35	178.865	180.000	17531	0.000	0.178	1.9	1.6
100yr24hr	SWMF	BASE	62.43	178.862	180.000	17514	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.51	178.859	180.000	17496	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.60	178.856	180.000	17479	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.68	178.853	180.000	17462	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.76	178.850	180.000	17445	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.85	178.847	180.000	17428	0.000	0.177	1.9	1.6
100yr24hr	SWMF	BASE	62.93	178.844	180.000	17410	0.000	0.176	1.9	1.6
100yr24hr	SWMF	BASE	63.01	178.841	180.000	17393	0.000	0.176	1.9	1.6
100yr24hr	SWMF	BASE	63.10	178.838	180.000	17376	0.000	0.176	1.9	1.6
100yr24hr	SWMF	BASE	63.18	178.835	180.000	17359	0.000	0.176	1.9	1.6
100yr24hr	SWMF	BASE	63.26	178.832	180.000	17342	0.000	0.176	1.9	1.6
100yr24hr	SWMF	BASE	63.35	178.829	180.000	17324	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.43	178.826	180.000	17307	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.51	178.822	180.000	17290	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.60	178.819	180.000	17273	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.68	178.816	180.000	17256	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.76	178.813	180.000	17238	0.000	0.175	1.9	1.6
100yr24hr	SWMF	BASE	63.85	178.810	180.000	17221	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	63.93	178.807	180.000	17204	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	64.01	178.804	180.000	17187	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	64.10	178.801	180.000	17170	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	64.18	178.798	180.000	17152	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	64.26	178.795	180.000	17135	0.000	0.174	1.9	1.6
100yr24hr	SWMF	BASE	64.35	178.792	180.000	17118	0.000	0.173	1.9	1.6
100yr24hr	SWMF	BASE	64.43	178.789	180.000	17101	0.000	0.173	1.9	1.6

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	64.51	178.786	180.000	17083	0.000	0.173	1.9	1.6
100yr24hr	SWMF	BASE	64.60	178.783	180.000	17066	0.000	0.173	1.9	1.6
100yr24hr	SWMF	BASE	64.68	178.780	180.000	17049	0.000	0.173	1.9	1.6
100yr24hr	SWMF	BASE	64.76	178.777	180.000	17032	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	64.85	178.774	180.000	17015	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	64.93	178.771	180.000	16997	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	65.01	178.768	180.000	16980	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	65.10	178.765	180.000	16963	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	65.18	178.762	180.000	16946	0.000	0.172	1.9	1.6
100yr24hr	SWMF	BASE	65.26	178.759	180.000	16929	0.000	0.171	1.9	1.6
100yr24hr	SWMF	BASE	65.35	178.756	180.000	16911	0.000	0.171	1.9	1.6
100yr24hr	SWMF	BASE	65.43	178.753	180.000	16894	0.000	0.171	1.9	1.6
100yr24hr	SWMF	BASE	65.51	178.750	180.000	16877	0.000	0.171	1.9	1.6
100yr24hr	SWMF	BASE	65.60	178.747	180.000	16860	0.000	0.171	1.9	1.6
100yr24hr	SWMF	BASE	65.68	178.744	180.000	16843	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	65.76	178.740	180.000	16826	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	65.85	178.737	180.000	16808	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	65.93	178.734	180.000	16791	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	66.01	178.731	180.000	16774	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	66.10	178.728	180.000	16757	0.000	0.170	1.9	1.6
100yr24hr	SWMF	BASE	66.18	178.725	180.000	16740	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.26	178.722	180.000	16722	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.35	178.719	180.000	16705	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.43	178.716	180.000	16688	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.51	178.713	180.000	16671	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.60	178.710	180.000	16654	0.000	0.169	1.9	1.6
100yr24hr	SWMF	BASE	66.68	178.707	180.000	16636	0.000	0.168	1.9	1.6
100yr24hr	SWMF	BASE	66.76	178.704	180.000	16619	0.000	0.168	1.9	1.6
100yr24hr	SWMF	BASE	66.85	178.701	180.000	16602	0.000	0.168	1.9	1.6
100yr24hr	SWMF	BASE	66.93	178.698	180.000	16585	0.000	0.168	1.9	1.6
100yr24hr	SWMF	BASE	67.01	178.695	180.000	16568	0.000	0.168	1.9	1.6
100yr24hr	SWMF	BASE	67.10	178.692	180.000	16550	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.18	178.689	180.000	16533	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.26	178.686	180.000	16516	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.35	178.683	180.000	16499	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.43	178.680	180.000	16482	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.51	178.677	180.000	16465	0.000	0.167	1.9	1.6
100yr24hr	SWMF	BASE	67.60	178.674	180.000	16447	0.000	0.166	1.9	1.6
100yr24hr	SWMF	BASE	67.68	178.671	180.000	16430	0.000	0.166	1.9	1.6
100yr24hr	SWMF	BASE	67.76	178.668	180.000	16413	0.000	0.166	1.9	1.6
100yr24hr	SWMF	BASE	67.85	178.665	180.000	16396	0.000	0.166	1.9	1.6
100yr24hr	SWMF	BASE	67.93	178.662	180.000	16379	0.000	0.166	1.9	1.6
100yr24hr	SWMF	BASE	68.01	178.659	180.000	16361	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.10	178.655	180.000	16344	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.18	178.652	180.000	16327	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.26	178.649	180.000	16310	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.35	178.646	180.000	16293	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.43	178.643	180.000	16275	0.000	0.165	1.9	1.6
100yr24hr	SWMF	BASE	68.51	178.640	180.000	16258	0.000	0.164	1.9	1.6
100yr24hr	SWMF	BASE	68.60	178.637	180.000	16241	0.000	0.164	1.9	1.6
100yr24hr	SWMF	BASE	68.68	178.634	180.000	16224	0.000	0.164	1.9	1.6
100yr24hr	SWMF	BASE	68.76	178.631	180.000	16207	0.000	0.164	1.9	1.6
100yr24hr	SWMF	BASE	68.85	178.628	180.000	16190	0.000	0.164	1.9	1.6
100yr24hr	SWMF	BASE	68.93	178.625	180.000	16172	0.000	0.164	1.9	1.7
100yr24hr	SWMF	BASE	69.01	178.622	180.000	16155	0.000	0.163	1.9	1.7
100yr24hr	SWMF	BASE	69.10	178.619	180.000	16138	0.000	0.163	1.9	1.7
100yr24hr	SWMF	BASE	69.18	178.616	180.000	16121	0.000	0.163	1.9	1.7
100yr24hr	SWMF	BASE	69.26	178.613	180.000	16104	0.000	0.163	1.9	1.7
100yr24hr	SWMF	BASE	69.35	178.610	180.000	16087	0.000	0.163	1.9	1.7
100yr24hr	SWMF	BASE	69.43	178.607	180.000	16069	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.51	178.604	180.000	16052	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.60	178.601	180.000	16035	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.68	178.598	180.000	16018	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.76	178.595	180.000	16001	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.85	178.592	180.000	15984	0.000	0.162	1.9	1.7
100yr24hr	SWMF	BASE	69.93	178.589	180.000	15966	0.000	0.161	1.9	1.7
100yr24hr	SWMF	BASE	70.01	178.586	180.000	15949	0.000	0.161	1.9	1.7
100yr24hr	SWMF	BASE	70.10	178.583	180.000	15932	0.000	0.161	1.9	1.7
100yr24hr	SWMF	BASE	70.18	178.580	180.000	15915	0.000	0.161	1.9	1.7
100yr24hr	SWMF	BASE	70.26	178.577	180.000	15898	0.000	0.161	1.9	1.7
100yr24hr	SWMF	BASE	70.35	178.574	180.000	15880	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.43	178.571	180.000	15863	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.51	178.568	180.000	15846	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.60	178.564	180.000	15829	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.68	178.561	180.000	15812	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.76	178.558	180.000	15795	0.000	0.160	1.9	1.7
100yr24hr	SWMF	BASE	70.85	178.555	180.000	15777	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	70.93	178.552	180.000	15760	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	71.01	178.549	180.000	15743	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	71.10	178.546	180.000	15726	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	71.18	178.543	180.000	15709	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	71.26	178.540	180.000	15692	0.000	0.159	1.9	1.7
100yr24hr	SWMF	BASE	71.35	178.537	180.000	15674	0.000	0.158	1.9	1.7
100yr24hr	SWMF	BASE	71.43	178.534	180.000	15657	0.000	0.158	1.9	1.7
100yr24hr	SWMF	BASE	71.51	178.531	180.000	15640	0.000	0.158	1.9	1.7
100yr24hr	SWMF	BASE	71.60	178.528	180.000	15623	0.000	0.158	1.9	1.7

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	71.68	178.525	180.000	15606	0.000	0.158	1.9	1.7
100yr24hr	SWMF	BASE	71.76	178.522	180.000	15589	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	71.85	178.519	180.000	15572	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	71.93	178.516	180.000	15554	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	72.01	178.513	180.000	15537	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	72.10	178.510	180.000	15520	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	72.18	178.507	180.000	15503	0.000	0.157	1.9	1.7
100yr24hr	SWMF	BASE	72.26	178.504	180.000	15486	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.35	178.501	180.000	15469	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.43	178.498	180.000	15451	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.51	178.495	180.000	15434	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.60	178.492	180.000	15417	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.68	178.489	180.000	15400	0.000	0.156	1.9	1.7
100yr24hr	SWMF	BASE	72.76	178.486	180.000	15383	0.000	0.155	1.9	1.7
100yr24hr	SWMF	BASE	72.85	178.483	180.000	15366	0.000	0.155	1.9	1.7
100yr24hr	SWMF	BASE	72.93	178.480	180.000	15349	0.000	0.155	1.9	1.7
100yr24hr	SWMF	BASE	73.01	178.477	180.000	15331	0.000	0.155	1.9	1.7
100yr24hr	SWMF	BASE	73.10	178.474	180.000	15314	0.000	0.155	1.9	1.7
100yr24hr	SWMF	BASE	73.18	178.471	180.000	15297	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.26	178.468	180.000	15280	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.35	178.464	180.000	15263	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.43	178.461	180.000	15246	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.51	178.458	180.000	15228	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.60	178.455	180.000	15211	0.000	0.154	1.9	1.7
100yr24hr	SWMF	BASE	73.68	178.452	180.000	15194	0.000	0.153	1.9	1.7
100yr24hr	SWMF	BASE	73.76	178.449	180.000	15177	0.000	0.153	1.9	1.7
100yr24hr	SWMF	BASE	73.85	178.446	180.000	15160	0.000	0.153	1.9	1.7
100yr24hr	SWMF	BASE	73.93	178.443	180.000	15143	0.000	0.153	1.9	1.7
100yr24hr	SWMF	BASE	74.01	178.440	180.000	15126	0.000	0.153	1.9	1.7
100yr24hr	SWMF	BASE	74.10	178.437	180.000	15108	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.18	178.434	180.000	15091	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.26	178.431	180.000	15074	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.35	178.428	180.000	15057	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.43	178.425	180.000	15040	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.51	178.422	180.000	15023	0.000	0.152	1.9	1.7
100yr24hr	SWMF	BASE	74.60	178.419	180.000	15006	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	74.68	178.416	180.000	14988	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	74.76	178.413	180.000	14971	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	74.85	178.410	180.000	14954	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	74.93	178.407	180.000	14937	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	75.01	178.404	180.000	14920	0.000	0.151	1.9	1.7
100yr24hr	SWMF	BASE	75.10	178.401	180.000	14903	0.000	0.150	1.9	1.7
100yr24hr	SWMF	BASE	75.18	178.398	180.000	14886	0.000	0.150	1.9	1.7
100yr24hr	SWMF	BASE	75.26	178.395	180.000	14868	0.000	0.150	1.9	1.7
100yr24hr	SWMF	BASE	75.35	178.392	180.000	14851	0.000	0.150	1.9	1.7
100yr24hr	SWMF	BASE	75.43	178.389	180.000	14834	0.000	0.150	1.9	1.7
100yr24hr	SWMF	BASE	75.51	178.386	180.000	14817	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	75.60	178.383	180.000	14800	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	75.68	178.380	180.000	14783	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	75.76	178.377	180.000	14766	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	75.85	178.374	180.000	14749	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	75.93	178.371	180.000	14731	0.000	0.149	1.9	1.7
100yr24hr	SWMF	BASE	76.01	178.368	180.000	14714	0.000	0.148	1.9	1.7
100yr24hr	SWMF	BASE	76.10	178.365	180.000	14697	0.000	0.148	1.9	1.7
100yr24hr	SWMF	BASE	76.18	178.362	180.000	14680	0.000	0.148	1.9	1.7
100yr24hr	SWMF	BASE	76.26	178.359	180.000	14663	0.000	0.148	1.9	1.7
100yr24hr	SWMF	BASE	76.35	178.356	180.000	14646	0.000	0.148	1.9	1.7
100yr24hr	SWMF	BASE	76.43	178.353	180.000	14629	0.000	0.147	1.9	1.7
100yr24hr	SWMF	BASE	76.51	178.349	180.000	14611	0.000	0.147	1.9	1.7
100yr24hr	SWMF	BASE	76.60	178.346	180.000	14594	0.000	0.147	1.9	1.7
100yr24hr	SWMF	BASE	76.68	178.343	180.000	14577	0.000	0.147	1.9	1.8
100yr24hr	SWMF	BASE	76.76	178.340	180.000	14560	0.000	0.147	1.9	1.8
100yr24hr	SWMF	BASE	76.85	178.337	180.000	14543	0.000	0.147	1.9	1.8
100yr24hr	SWMF	BASE	76.93	178.334	180.000	14526	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.01	178.331	180.000	14509	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.10	178.328	180.000	14492	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.18	178.325	180.000	14474	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.26	178.322	180.000	14457	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.35	178.319	180.000	14440	0.000	0.146	1.9	1.8
100yr24hr	SWMF	BASE	77.43	178.316	180.000	14423	0.000	0.145	1.9	1.8
100yr24hr	SWMF	BASE	77.51	178.313	180.000	14406	0.000	0.145	1.9	1.8
100yr24hr	SWMF	BASE	77.60	178.310	180.000	14389	0.000	0.145	1.9	1.8
100yr24hr	SWMF	BASE	77.68	178.307	180.000	14372	0.000	0.145	1.9	1.8
100yr24hr	SWMF	BASE	77.76	178.304	180.000	14355	0.000	0.145	1.9	1.8
100yr24hr	SWMF	BASE	77.85	178.301	180.000	14337	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	77.93	178.298	180.000	14320	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	78.01	178.295	180.000	14303	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	78.10	178.292	180.000	14286	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	78.18	178.289	180.000	14269	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	78.26	178.286	180.000	14252	0.000	0.144	1.9	1.8
100yr24hr	SWMF	BASE	78.35	178.283	180.000	14235	0.000	0.143	1.9	1.8
100yr24hr	SWMF	BASE	78.43	178.280	180.000	14218	0.000	0.143	1.9	1.8
100yr24hr	SWMF	BASE	78.51	178.277	180.000	14201	0.000	0.143	1.9	1.8
100yr24hr	SWMF	BASE	78.60	178.274	180.000	14183	0.000	0.143	1.9	1.8
100yr24hr	SWMF	BASE	78.68	178.271	180.000	14166	0.000	0.143	1.9	1.8
100yr24hr	SWMF	BASE	78.76	178.268	180.000	14149	0.000	0.143	1.9	1.8

Node Time/Series Report - SWMF

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft ²	cfs	cfs	af	af
100yr24hr	SWMF	BASE	78.85	178.265	180.000	14132	0.000	0.142	1.9	1.8
100yr24hr	SWMF	BASE	78.93	178.262	180.000	14115	0.000	0.142	1.9	1.8
100yr24hr	SWMF	BASE	79.01	178.259	180.000	14098	0.000	0.142	1.9	1.8
100yr24hr	SWMF	BASE	79.10	178.256	180.000	14081	0.000	0.142	1.9	1.8
100yr24hr	SWMF	BASE	79.18	178.253	180.000	14064	0.000	0.142	1.9	1.8
100yr24hr	SWMF	BASE	79.26	178.250	180.000	14047	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.35	178.247	180.000	14029	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.43	178.244	180.000	14012	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.51	178.241	180.000	13995	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.60	178.238	180.000	13978	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.68	178.235	180.000	13961	0.000	0.141	1.9	1.8
100yr24hr	SWMF	BASE	79.76	178.232	180.000	13944	0.000	0.140	1.9	1.8
100yr24hr	SWMF	BASE	79.85	178.229	180.000	13927	0.000	0.140	1.9	1.8
100yr24hr	SWMF	BASE	79.93	178.226	180.000	13910	0.000	0.140	1.9	1.8
100yr24hr	SWMF	BASE	80.01	178.223	180.000	13893	0.000	0.140	1.9	1.8
100yr24hr	SWMF	BASE	80.10	178.220	180.000	13876	0.000	0.140	1.9	1.8
100yr24hr	SWMF	BASE	80.18	178.217	180.000	13858	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.26	178.213	180.000	13841	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.35	178.210	180.000	13824	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.43	178.207	180.000	13807	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.51	178.204	180.000	13790	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.60	178.201	180.000	13773	0.000	0.139	1.9	1.8
100yr24hr	SWMF	BASE	80.68	178.198	180.000	13756	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	80.76	178.195	180.000	13739	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	80.85	178.192	180.000	13722	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	80.93	178.189	180.000	13705	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	81.01	178.186	180.000	13687	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	81.10	178.183	180.000	13670	0.000	0.138	1.9	1.8
100yr24hr	SWMF	BASE	81.18	178.180	180.000	13653	0.000	0.137	1.9	1.8
100yr24hr	SWMF	BASE	81.26	178.177	180.000	13636	0.000	0.137	1.9	1.8
100yr24hr	SWMF	BASE	81.35	178.174	180.000	13619	0.000	0.137	1.9	1.8
100yr24hr	SWMF	BASE	81.43	178.171	180.000	13602	0.000	0.137	1.9	1.8
100yr24hr	SWMF	BASE	81.51	178.168	180.000	13585	0.000	0.137	1.9	1.8
100yr24hr	SWMF	BASE	81.60	178.165	180.000	13568	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	81.68	178.162	180.000	13551	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	81.76	178.159	180.000	13534	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	81.85	178.156	180.000	13517	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	81.93	178.153	180.000	13499	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	82.01	178.150	180.000	13482	0.000	0.136	1.9	1.8
100yr24hr	SWMF	BASE	82.10	178.147	180.000	13465	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.18	178.144	180.000	13448	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.26	178.141	180.000	13431	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.35	178.138	180.000	13414	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.43	178.135	180.000	13397	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.51	178.132	180.000	13380	0.000	0.135	1.9	1.8
100yr24hr	SWMF	BASE	82.60	178.129	180.000	13363	0.000	0.134	1.9	1.8
100yr24hr	SWMF	BASE	82.68	178.126	180.000	13346	0.000	0.134	1.9	1.8
100yr24hr	SWMF	BASE	82.76	178.123	180.000	13329	0.000	0.134	1.9	1.8
100yr24hr	SWMF	BASE	82.85	178.120	180.000	13312	0.000	0.134	1.9	1.8
100yr24hr	SWMF	BASE	82.93	178.117	180.000	13295	0.000	0.134	1.9	1.8
100yr24hr	SWMF	BASE	83.01	178.114	180.000	13277	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.10	178.111	180.000	13260	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.18	178.108	180.000	13243	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.26	178.105	180.000	13226	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.35	178.102	180.000	13209	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.43	178.099	180.000	13192	0.000	0.133	1.9	1.8
100yr24hr	SWMF	BASE	83.51	178.096	180.000	13175	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	83.60	178.093	180.000	13158	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	83.68	178.090	180.000	13141	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	83.76	178.087	180.000	13124	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	83.85	178.084	180.000	13107	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	83.93	178.081	180.000	13090	0.000	0.132	1.9	1.8
100yr24hr	SWMF	BASE	84.01	178.078	180.000	13073	0.000	0.131	1.9	1.8
100yr24hr	SWMF	BASE	84.10	178.075	180.000	13055	0.000	0.131	1.9	1.8
100yr24hr	SWMF	BASE	84.18	178.072	180.000	13038	0.000	0.131	1.9	1.8
100yr24hr	SWMF	BASE	84.26	178.069	180.000	13021	0.000	0.131	1.9	1.8
100yr24hr	SWMF	BASE	84.35	178.066	180.000	13004	0.000	0.131	1.9	1.8
100yr24hr	SWMF	BASE	84.43	178.063	180.000	12987	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.51	178.060	180.000	12970	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.60	178.057	180.000	12953	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.68	178.054	180.000	12936	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.76	178.051	180.000	12919	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.85	178.048	180.000	12902	0.000	0.130	1.9	1.8
100yr24hr	SWMF	BASE	84.93	178.045	180.000	12885	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.01	178.042	180.000	12868	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.10	178.039	180.000	12851	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.18	178.036	180.000	12834	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.26	178.033	180.000	12817	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.35	178.030	180.000	12800	0.000	0.129	1.9	1.8
100yr24hr	SWMF	BASE	85.43	178.027	180.000	12783	0.000	0.128	1.9	1.8
100yr24hr	SWMF	BASE	85.51	178.023	180.000	12765	0.000	0.128	1.9	1.9
100yr24hr	SWMF	BASE	85.60	178.020	180.000	12748	0.000	0.128	1.9	1.9
100yr24hr	SWMF	BASE	85.68	178.017	180.000	12731	0.000	0.128	1.9	1.9
100yr24hr	SWMF	BASE	85.76	178.014	180.000	12714	0.000	0.128	1.9	1.9
100yr24hr	SWMF	BASE	85.85	178.011	180.000	12697	0.000	0.127	1.9	1.9
100yr24hr	SWMF	BASE	85.93	178.008	180.000	12680	0.000	0.127	1.9	1.9

Node Time/Series Report - SWMF

Sub-Basin Runoff Calculations for Crump Road - Convenience Store

AHE Project #13-034

Prepared By: ECW

Date: 4/30/2014

Purpose: To determine post-development flow rates for input into FlowMaster for sizing flumes, swales and roof drains

Methodology: Rational Method

SB-1 CN Calculations

Coverage Description	Soil and Hydrologic Soil Group	Area	(Rational) "C"
Open Space, good grass cover	Soil Type B	0.03	0.17
Impervious Area	Proposed Buildings	0.00	0.95
Impervious Area	Vehicular Use Area/Misc. Impervious	0.07	0.95
Total Acreage		0.09	
25 Year Critical Intensity (inches)		8.50	
Weighed "C"		0.73	
Flow Q (cfs)		0.58	

SB-2 CN Calculations

Coverage Description	Soil and Hydrologic Soil Group	Area	(Rational) "C"
Open Space, good grass cover	Soil Type B	0.00	0.17
Impervious Area	Proposed Buildings	0.00	0.95
Impervious Area	Vehicular Use Area/Misc. Impervious	0.10	0.95
Total Acreage		0.10	
25 Year Critical Intensity (inches)		8.50	
Weighed "C"		0.95	
Flow Q (cfs)		0.80	

SB-3 CN Calculations

Coverage Description	Soil and Hydrologic Soil Group	Area	(Rational) "C"
Open Space, good grass cover	Soil Type B	0.04	0.17
Impervious Area	Proposed Buildings	0.00	0.95
Impervious Area	Vehicular Use Area/Misc. Impervious	0.20	0.95
Total Acreage		0.24	
25 Year Critical Intensity (inches)		8.50	
Weighed "C"		0.83	
Flow Q (cfs)		1.68	

SB-4 CN Calculations

Coverage Description	Soil and Hydrologic Soil Group	Area	(Rational) "C"
Open Space, good grass cover	Soil Type B	0.00	0.17
Impervious Area	Proposed Buildings	0.00	0.95
Impervious Area	Vehicular Use Area/Misc. Impervious	0.07	0.95
Total Acreage		0.07	
25 Year Critical Intensity (inches)		8.50	
Weighed "C"		0.95	
Flow Q (cfs)		0.58	

Worksheet for Concrete Flume

Project Description

Friction Method Manning Formula
Solve For Discharge

Input Data

Roughness Coefficient	0.013
Channel Slope	0.01000 ft/ft
Normal Depth	0.45 ft
Bottom Width	1.50 ft

Results

Discharge	3.31 ft ³ /s
Flow Area	0.68 ft ²
Wetted Perimeter	2.40 ft
Hydraulic Radius	0.28 ft
Top Width	1.50 ft
Critical Depth	0.53 ft
Critical Slope	0.00621 ft/ft
Velocity	4.91 ft/s
Velocity Head	0.37 ft
Specific Energy	0.82 ft
Froude Number	1.29
Flow Type	Supercritical

GVF Input Data

Downstream Depth	0.50 ft
Length	20.00 ft
Number Of Steps	1

GVF Output Data

Upstream Depth	0.53 ft
Profile Description	S2
Profile Headloss	0.23 ft
Downstream Velocity	4.42 ft/s
Upstream Velocity	4.14 ft/s
Normal Depth	0.45 ft
Critical Depth	0.53 ft
Channel Slope	0.01000 ft/ft
Critical Slope	0.00621 ft/ft

Worksheet for PVC Roof Drain

Project Description

Friction Method Manning Formula
Solve For Normal Depth

Input Data

Roughness Coefficient	0.010
Channel Slope	0.02000 ft/ft
Diameter	0.67 ft
Discharge	0.70 ft ³ /s

Results

Normal Depth	0.26 ft
Flow Area	0.12 ft ²
Wetted Perimeter	0.89 ft
Hydraulic Radius	0.14 ft
Top Width	0.65 ft
Critical Depth	0.39 ft
Percent Full	38.3 %
Critical Slope	0.00455 ft/ft
Velocity	5.64 ft/s
Velocity Head	0.49 ft
Specific Energy	0.75 ft
Froude Number	2.28
Maximum Discharge	2.42 ft ³ /s
Discharge Full	2.25 ft ³ /s
Slope Full	0.00193 ft/ft
Flow Type	SuperCritical

GVF Input Data

Downstream Depth	0.00 ft
Length	0.00 ft
Number Of Steps	0

GVF Output Data

Upstream Depth	0.00 ft
Profile Description	
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.00 %
Normal Depth Over Rise	38.27 %
Downstream Velocity	Infinity ft/s

Worksheet for PVC Roof Drain

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	0.26	ft
Critical Depth	0.39	ft
Channel Slope	0.02000	ft/ft
Critical Slope	0.00455	ft/ft

Worksheet for South Swale

Project Description

Friction Method	Manning Formula
Solve For	Normal Depth

Input Data

Roughness Coefficient	0.030
Channel Slope	0.01800 ft/ft
Left Side Slope	3.00 ft/ft (H:V)
Right Side Slope	3.00 ft/ft (H:V)
Discharge	2.38 ft ³ /s

Results

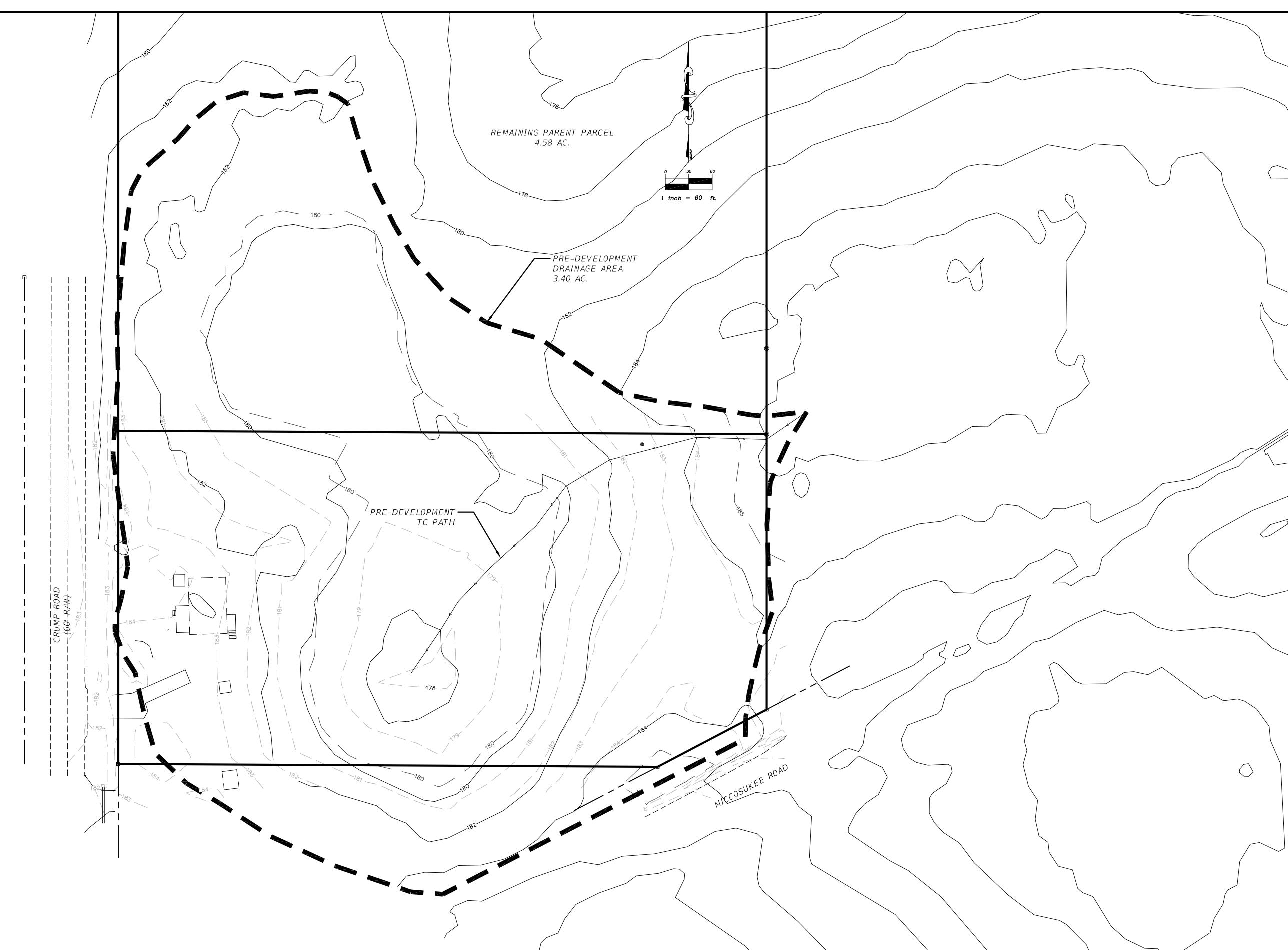
Normal Depth	0.54	ft
Flow Area	0.88	ft ²
Wetted Perimeter	3.43	ft
Hydraulic Radius	0.26	ft
Top Width	3.26	ft
Critical Depth	0.52	ft
Critical Slope	0.02200	ft/ft
Velocity	2.69	ft/s
Velocity Head	0.11	ft
Specific Energy	0.66	ft
Froude Number	0.91	
Flow Type	Subcritical	

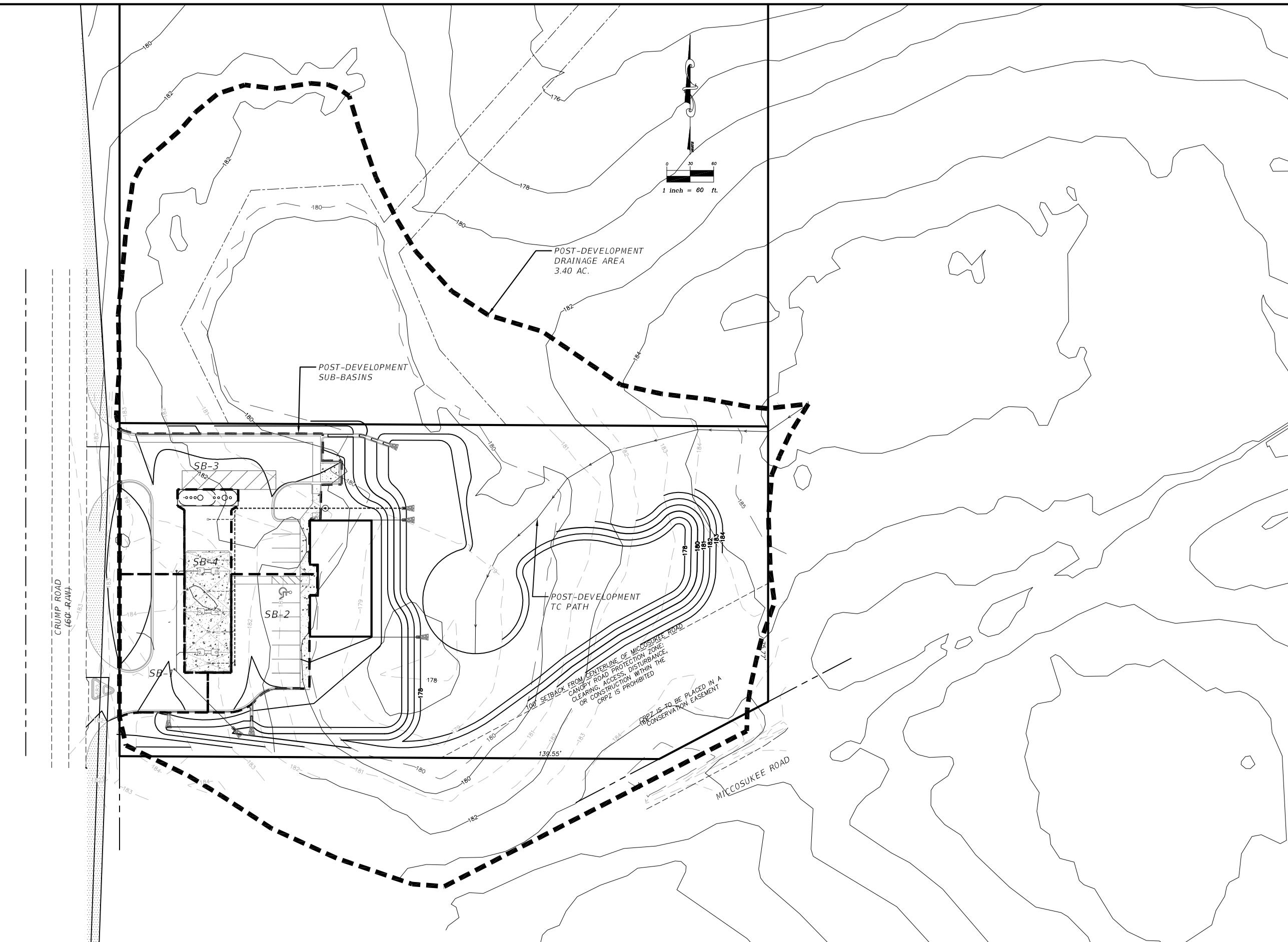
GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.54	ft
Critical Depth	0.52	ft
Channel Slope	0.01800	ft/ft
Critical Slope	0.02200	ft/ft







**MAINTENANCE AND OPERATION INSTRUCTIONS
FOR THE
Crump Road Convenience Store
4/30/14**

The following is an instructional outline for the maintenance and operation of the above referenced stormwater management facility.

The maintenance entity for the stormwater management facility located in Leon County, FL on parcel numbers 12-04-20-018-000-0:

**William “Glen” Brown
2802 Topaz Way
Tallahassee, FL 32309
(850) 528-6293**

The stormwater management facility has been designed in accordance with current engineering principles applicable to conveyance, storage, attenuation, treatment, and disposal of stormwater runoff assuming normal maintenance procedures are performed as outlined below.

Normal maintenance requirements are as follows:

- * Structures shall be cleared of any debris at all times. Structures shall be inspected for any structural cracking and settlement. Bushes, weeds, grass, etc. shall be removed from the proximity of any discharge spillway. Any cracked concrete or exposed reinforcing steel (rebar) shall be sealed and grouted or formed over with concrete. In the event that any concrete structure is severely damaged, the engineer of record or a qualified professional licensed to practice engineering shall be contacted to assess the damage and make recommendations for repairs.
- * Prior to disposal of any sediment from the pond, the facilities operator shall insure that the excavated material is disposed of in accordance with local, state, and/or federal regulations.

Stormceptor inspection and maintenance instructions are as follows:

- * Units should be inspected post-construction, prior to being put into service.
- * Inspect every months and at the time of required UST leak detection inspections for the first year of operation to determine the oil and sediment accumulation rate.

- * In subsequent years, inspections can be based on first-year observations or local requirements.
- * Cleaning is required once the sediment depth reaches 15% of storage capacity, (generally taking one year or longer). Local regulations for maintenance frequency may vary.
- * Inspect the unit immediately after an oil, fuel or chemical spill.
- * A licensed waste management company should remove captured petroleum waste products from any oil, chemical or fuel spills and dispose responsibly.

Erosion Control Procedures

In the event there is any major erosion damage or if erosion continually occurs after rainfall events, a thorough inspection shall be performed to identify the cause. The Engineer of record or a qualified professional licensed to practice engineering shall be contacted in order to assess and implement corrective action to both stabilize the area and to eliminate the cause of the erosion problem.

The following recommendations are offered as a guide for re-vegetating any disturbed or eroded areas:

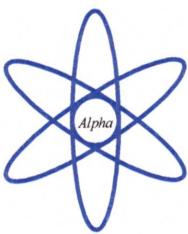
- * If clay soil is exposed - pulverize by spading or roto-tilling. Fill the low or washed out areas with topsoil. The topsoil shall be free of weeds, litter, and rocks and have a high organic matter content. A one-inch layer of topsoil will require approximately 3.1 cubic yards of material per 1,000 square feet of area.
- * Fertilize in accordance with Article 14, Chapter 10 of the Leon County Land Development Code.
- * After final grading, distribute Bahia grass seed uniformly over the area with a drop-type fertilizer spreader or cyclone type broadcast spreader. Cover an area in one direction and then at right angles in the opposite direction, crossing the entire area. Cover the seed lightly one-fourth (1/4) inch deep. Firm the seed into the soil with a roller. Plant 2-3 pounds of Bahia grass per 1,000 square feet. After seeding, apply a mulch of one (1) inch or more of close fitting material, or up to four (4) inches of loose fitting material, so that about 25 percent of the ground is visible. Disk or spade in lightly at or near vertical angle. Starting four to six weeks after the seed has germinated, apply fertilizer in accordance with Article 14, Chapter 10 of the Leon County Land Development Code.
- * Sod can be used in lieu of seed in order to re-vegetate the areas quicker than seeding. Sod is required in areas where slopes are steeper than 4(H):1(V). The

site preparation is the same as for seeding. Fertilize in accordance with Article 14, Chapter 10 of the Leon County Land Development Code. Lay pieces of sod over the entire area with snug, even joints. Stagger the joints from strip to strip. Roll or tamp sod immediately following placement. Do not overlap the sod. On steep slopes secure sod to surface with wooden pegs or wire staples as necessary to prevent displacement. After major maintenance has been performed, the system shall be routinely maintained as noted above.

- * Site landscaping shall be routinely inspected and maintained. Trees and shrubs shall be replaced with like species and size in the event they die-off.

Facilities Operation

- * The Facilities Operator shall be responsible for the day-to-day operation, maintenance and management of the Stormwater Management systems, including, but not limited to, the retention areas and drainage conveyance. (i.e., all stormwater management systems)
- * The Facilities Operator shall supervise all maintenance activities pertaining to the Stormwater Management System and shall report any instances of flooding, erosion undermining, structural defects, etc. to the Managing Supervisor.
- * The Facilities Operator shall maintain an official log of all maintenance activities, observed drawdown times and all inspection results. The SWMF shall be dry within a maximum 72 hours post-storm event. The official log shall be available to the Northwest Florida Water Management District Inspector upon request.
- * The Engineer of record or a qualified professional licensed to practice engineering shall be contacted if any unusual, uncharacteristic or potentially damaging drainage problem is observed, or if recommendations and/or improvements to the stormwater management facilities are needed.
- * The Facilities Operator shall provide for the inspection of the stormwater management system at least once every third year after conversion of a permit to the operation phase. A report describing the results of the inspection and certifying that the system is operating as designed and permitted must be filed with the Northwest Florida Water Management District (NFWFMD) within 30 days after the third-year inspection. A report shall also be submitted within 30 days of a system failure or deviation from the permit.
- * In the event a sinkhole or other opening forms within the SWMF, the engineer and LCDSEM shall be contacted. Additional improvements and analysis will be required to ensure proper separation between the floors of the SWMF and subsurface karst features.



**Alpha Geotechnical
and Testing Services, Inc.**
Certificate of Authorization No. 00007967

Foundation Evaluations
Environmental Studies
Construction Materials Testing

March 31, 2014
File No. 14-2589

Mr. Glen Brown
c/o Alday-Howell Engineering
2860 Highway 71 North, Suite B
Marianna, FL 32446

Subject: Revision to Recommended Safety Factor for Infiltration Rate at Proposed Crump Road Convenience Store Storm Water Management Facility, Crump Road at Miccosukee Road, Tallahassee

Gentlemen:

Based on discussions with the storm water management pond designer, Mr. Joseph Alday, PE, and from review of the Undisturbed Pond Bottom plan dated 3/19/14, it is our opinion that the previously recommended safety factor of 4.0 in our 2/18/14 letter report may be reduced to 2.5 with no adverse impact. It is our understanding that the excavated portion will be disced or otherwise aerated to enhance infiltration just before all grading is completed. The silty sands in the areas that will be left undisturbed will allow much faster infiltration than determined for the red clayey sand. Therefore, the weighted average design infiltration rate may be modified to 0.44 inch/hour.

Please contact us if you have any questions.

Sincerely,
Alpha Geotechnical and Testing Services, Inc.

SP Shanley
3/31/14

Stephen P. Shanley, PE
FL #40653

2014
3/31/14
Shanley, Stephen P.
Alpha Geotechnical and Testing Services, Inc.
4778-B Woodlane Circle, Tallahassee, FL 32303
(850) 514-4171 FAX 514-4173