

STORMWATER DESIGN CALCULATIONS

For
AutoZone Lake City
Prepared For

Suwannee River Water Management District

City of Lake City

Florida Department of Transportation



A Full Service Design Firm

LOCATED NEAR:

NW Corner of US-90 W. & NW Forest Meadows Ave
Lake City, FL 32055

Prepared by CPH, Inc.

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P.E. Number

March 19, 2025

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Existing Conditions:

The proposed project site is a vacant land located near the NW Corner of Highway 90 and Forest Meadows Ave. Lake City, Florida 32005. The parcel ID of the property is: 34-3S-16-03461-007 and it has a total area of approximately 1.23 Acre. The existing project site is delineated into one (1) onsite pre-basin (ref. pre-basin map). According to USDA Soil Survey and TR55, the on-site soil is composed of Blanton fine sand (0.5) percent slope; and is classified as hydrologic soil group ‘A’ (HSG A). The seasonal high-water table (SHWT) was estimated by the geotechnical engineer to be approximately 6.8 feet below the existing ground elevation of the site. The geotechnical analysis is provided under separate cover. The project site appears to lie within FEMA Flood “Zone X” according to FIRM Pannel 1203C0290D.

Stormwater Management System Analysis:

The project site will re-direct stormwater runoff from the proposed development to the proposed on-site wet pond. The proposed project site is delineated into one (1) on-site post basin (ref. post basin map).

The presumptive water quality treatment volume required for dry retention by SRWMD is 1" over the project site. A model of the project site was created in ICPR 4.07.06 to determine the pre/post-development peak stages and discharge rates. The FLMOD Water Management District Storms were modeled to analyze the peak stage and discharge.

A drawdown calculation of the treatment volume for the proposed system was performed using slug load to verify the dry retention system recovers within 72 hours. In the analysis, the initial stage of the pond was set to the treatment volume elevation.

A factor of safety of 2 was applied to the permeability during drawdown analysis. The treatment volume recovery time of the dry retention is within 72 hours. Drawdown calculations are provided in the report below.

Table 1: Time of Concentration Calculations

Basin ID	Time of Concentration
Pre-Basin	29 minutes
Post-Basin	10 minutes

Sheet Flow (Applicable to T _c only)		Segment ID	1		
1. Surface Description (Table 3-1)			Short Grass Praire		
2. Manning's Roughness Coefficient, n (Table 3-1)			0.15		
3. Flow Length, L (Total L ≤ 300 feet)		feet	300		
4. Two-year 24 hour rainfall, P2		inches	4.26		
5. Land Slope, s		ft/ft	0.009		
6. T _t	$T_t = \frac{0.007 (nL)^{0.8}}{P_2^{0.5} s^{0.4}}$	min.	28.24	0.00	28.24

Table 2: Impervious/Pervious Areas

	IMPERVIOUS AREA (SF)	IMPERVIOUS AREA (ACRE)	PERVIOUS AREA (SF)	PERVIOUS AREA (ACRE)	TOTAL AREA (SF)	TOTAL AREA (ACRE)	WEIGHT ED CN	% IMPERVIOUS
Pre-Basin	0.00	0.00	53143.2	1.22	53143.2	1.22	68.00	0.00%
Post-Basin	28453.00	0.65	24690.2	0.57	53143.2	1.22	84.06	53.54%

Table 3: Stage Storage Tabulation

Pond 1

Elevation	Type	Area (SF)	Area (Acres)	Inc. Volume (Ac-Ft)	Cum. Volume (Ac-Ft)
156	Pond 1	4121	0.095	0.00	0.000
157	Pond 1	5190	0.119	0.11	0.107
158	Pond 1	6359	0.146	0.13	0.239
159	Pond 1	7629	0.175	0.16	0.400
160	Pond 1	8999	0.207	0.19	0.591

Table 4: Peak Stage & Discharge

STORM	Pre Basin (CFS)	Post Basin 1 (CFS)	Peak Stage Pond 1
100 YR 24 HR	3.7	3.44	158.97
FDOT 10 YR 1 HR	0.83	0.41	157.43
FDOT 10 YR 2 HR	0.8	0.65	157.67
FDOT 10 YR 24 HR	0.42	0.51	157.51
FDOT 10 YR 4 HR	0.9	0.77	157.86
FDOT 10 YR 72 HR	0.4	0.43	157.45
FDOT 10 YR 8 HR	0.95	0.76	157.85
FDOT 100 YR 1 HR	1.68	0.81	157.93
FDOT 100 YR 2 HR	1.57	0.96	158.23
FDOT 100 YR 24 HR	0.79	0.75	157.84
FDOT 100 YR 4 HR	1.61	1.07	158.48
FDOT 100 YR 72 HR	0.66	0.65	157.68
FDOT 100 YR 8 HR	1.83	1.10	158.57
FDOT 2 YR 1 HR	0.4	0.05	157.09
FDOT 2 YR 2 HR	0.27	0.19	157.25
FDOT 2 YR 24 HR	0.17	0.24	157.28
FDOT 2 YR 4 HR	0.36	0.33	157.36
FDOT 2 YR 72 HR	0.22	0.27	157.31
FDOT 2 YR 8 HR	0.4	0.38	157.40
FDOT 25 YR 1 HR	1.11	0.60	157.60
FDOT 25 YR 2 HR	1.11	0.79	157.90
FDOT 25 YR 24 HR	0.56	0.61	157.62
FDOT 25 YR 4 HR	1.19	0.91	158.12
FDOT 25 YR 72 HR	0.51	0.54	157.53
FDOT 25 YR 8 HR	1.29	0.91	158.13
FDOT 3 YR 1 HR	0.5	0.12	157.18
FDOT 3 YR 2 HR	0.34	0.27	157.31
FDOT 3 YR 24 HR	0.2	0.26	157.30
FDOT 3 YR 4 HR	0.44	0.41	157.43
FDOT 3 YR 72 HR	0.24	0.29	157.32
FDOT 3 YR 8 HR	0.42	0.40	157.42
FDOT 5 YR 1 HR	0.59	0.20	157.25
FDOT 5 YR 2 HR	0.47	0.41	157.43
FDOT 5 YR 24 HR	0.25	0.32	157.35
FDOT 5 YR 4 HR	0.58	0.57	157.56
FDOT 5 YR 72 HR	0.29	0.34	157.36



FDOT 5 YR 8 HR	0.57	0.55	157.54
FDOT 50 YR 1 HR	1.27	0.67	157.70
FDOT 50 YR 2 HR	1.25	0.85	158.01
FDOT 50 YR 24 HR	0.63	0.66	157.69
FDOT 50 YR 4 HR	1.33	0.97	158.24
FDOT 50 YR 72 HR	0.56	0.58	157.57
FDOT 50 YR 8 HR	1.46	0.98	158.27

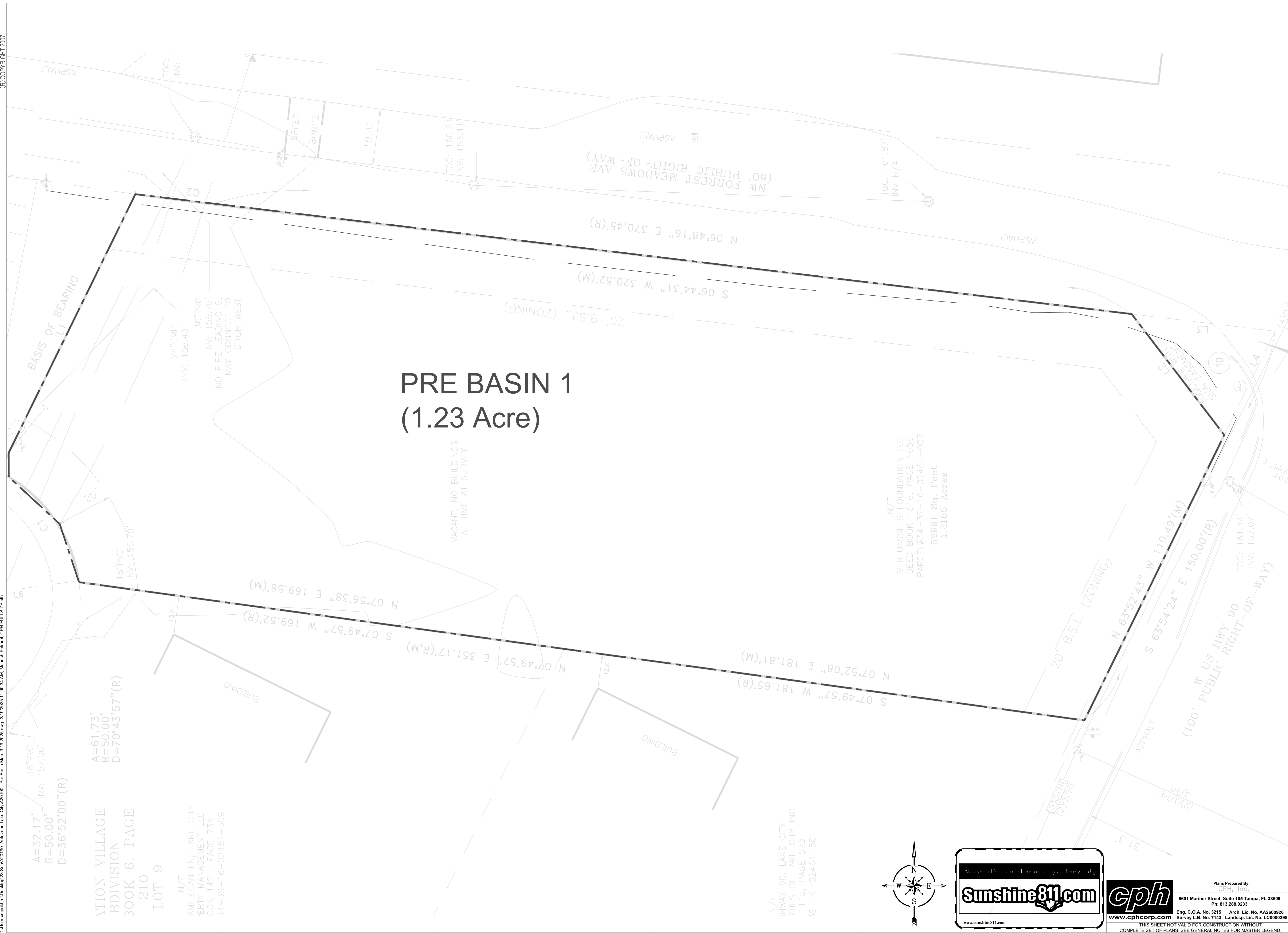
Table 5: Hydraflow HGL Calculations

	Elevation (NAV88)
Minimum Parking Lot Inlet Elevation	157.51
Minimum FFE	159.97

Conclusion:

The proposed pond system satisfies the water quality and attenuation requirements of the Suwannee River Water Management District (SRWMD) and the City of Lake City, Florida and FDOT. Additionally, post-development discharge is limited to below pre-development discharge and the peak stage of the stormwater management system is below the pond top of bank elevation.

The stormwater management system accommodates proposed onsite development and maintains historical drainage patterns with no anticipated adverse effect to neighboring properties.



Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

REVISIONS		
1		4
2		5
3		6

AutoZone Store No. FL10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE.,
LAKE CITY, FLORIDA 32055

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969
For Bidding & Contractor Information Contact:
Dodge Data & Analytics, Tel. 413-930-4215
Cindy.searcy@aconstruction.com



3/19/2025

7N2

PRE BASIN
MAP

Pre-Basin 1

Tailwater

Simple Basin: Pre-Basin 1

Scenario: Scenario1
 Node: Tailwater
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.6300 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2200 ac
 Curve Number: 68.0
 % Impervious: 0.00
 % DCIA: 0.00
 % Direct: 0.00
 Rainfall Name:

Comment: Open space, poor condition condition. HSG A.

Simulation: 100 YR 24 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:50:23 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~SCSII-24

Rainfall Amount: 9.84 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 1 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:50:43 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 3.05 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:44 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Opt:

Rainfall Name: ~FDOT-2
Rainfall Amount: 3.70 in
Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:47 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set:
Unit Hydrograph Folder:	Extern Hydrograph Set:
	Curve Number Set: CN
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set: 1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
		Opt:	
Max dZ:	1.0000 ft	Rainfall Name:	~FDOT-24
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	6.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area	100 ft2
		(1D):	
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:50:59 PM
Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4
Rainfall Amount: 4.40 in
Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:51:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Rainfall Name: ~FDOT-72
Rainfall Amount: 8.30 in
Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:51:40 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

Unit Hydrograph
Folder:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 5.12 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:51:46 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 4.20 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:51:48 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CNGreen-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ftIA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:
Rainfall Name: ~FDOT-2
Rainfall Amount: 5.10 in

Edge Length Option: Automatic

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:51:52 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Folder:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 9.84 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:52:05 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 6.08 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:52:09 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-72
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 12.40 in
Edge Length Option: Automatic	Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:53:56 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 7.36 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:54:05 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 2.30 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:54:13 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-2
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.45 in
Edge Length Option: Automatic	Storm Duration: 2.0000 hr
	Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:54:19 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 4.30 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 4 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:54:48 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 2.85 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:54:56 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year

Month

Day

Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN

 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-72
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 5.50 in
	Storm Duration: 72.0000 hr
Edge Length Option: Automatic	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.45 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:56:14 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 3.45 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:56:17 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 4.30 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:56:20 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 7.92 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 4 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:56:52 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 5.12 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:57:04 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 10.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:14 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Opt:

Rainfall Name: ~FDOT-8
Rainfall Amount: 6.00 in
Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:20 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set:
Unit Hydrograph Folder:	Extern Hydrograph Set:
	Curve Number Set: CN
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set: 1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
		Opt:	
Max dZ:	1.0000 ft	Rainfall Name:	~FDOT-1
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	2.50 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area	100 ft2
		(1D):	
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:22 PM
Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2
Rainfall Amount: 2.64 in
Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:58:24 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Rainfall Name: ~FDOT-24
Rainfall Amount: 4.56 in
Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:36 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

Unit Hydrograph
Folder:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:

Rainfall Name: ~FDOT-4
Rainfall Amount: 3.08 in
Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area: 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:58:43 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 5.80 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:59:04 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:
Rainfall Name: ~FDOT-8
Rainfall Amount: 3.52 in

Edge Length Option: Automatic

Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 1 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:59:09 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Folder:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-1
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.65 in
	Storm Duration: 1.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:14 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 2.98 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:59:25 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-24

Rainfall Amount: 5.10 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 4 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:59:34 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-4
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.52 in
	Storm Duration: 4.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:59:37 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 6.62 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 4:00:10 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-8

Rainfall Amount: 4.02 in

Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:19 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-1
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.67 in
	Storm Duration: 1.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 2 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 4:00:21 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 4.55 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 4:00:24 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year

Month

Day

Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-24

Rainfall Amount: 8.54 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2
(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 4 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 4:00:41 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CNGreen-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-4
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 5.45 in
	Storm Duration: 4.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 4:00:45 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 10.80 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 4:01:13 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:

Rainfall Name: ~FDOT-8
Rainfall Amount: 6.45 in
Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area: 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Node: Tailwater

Scenario: Scenario1
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 156.43 ft
 Warning Stage: 9999.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	156.43
0	0	0	24.0000	156.43

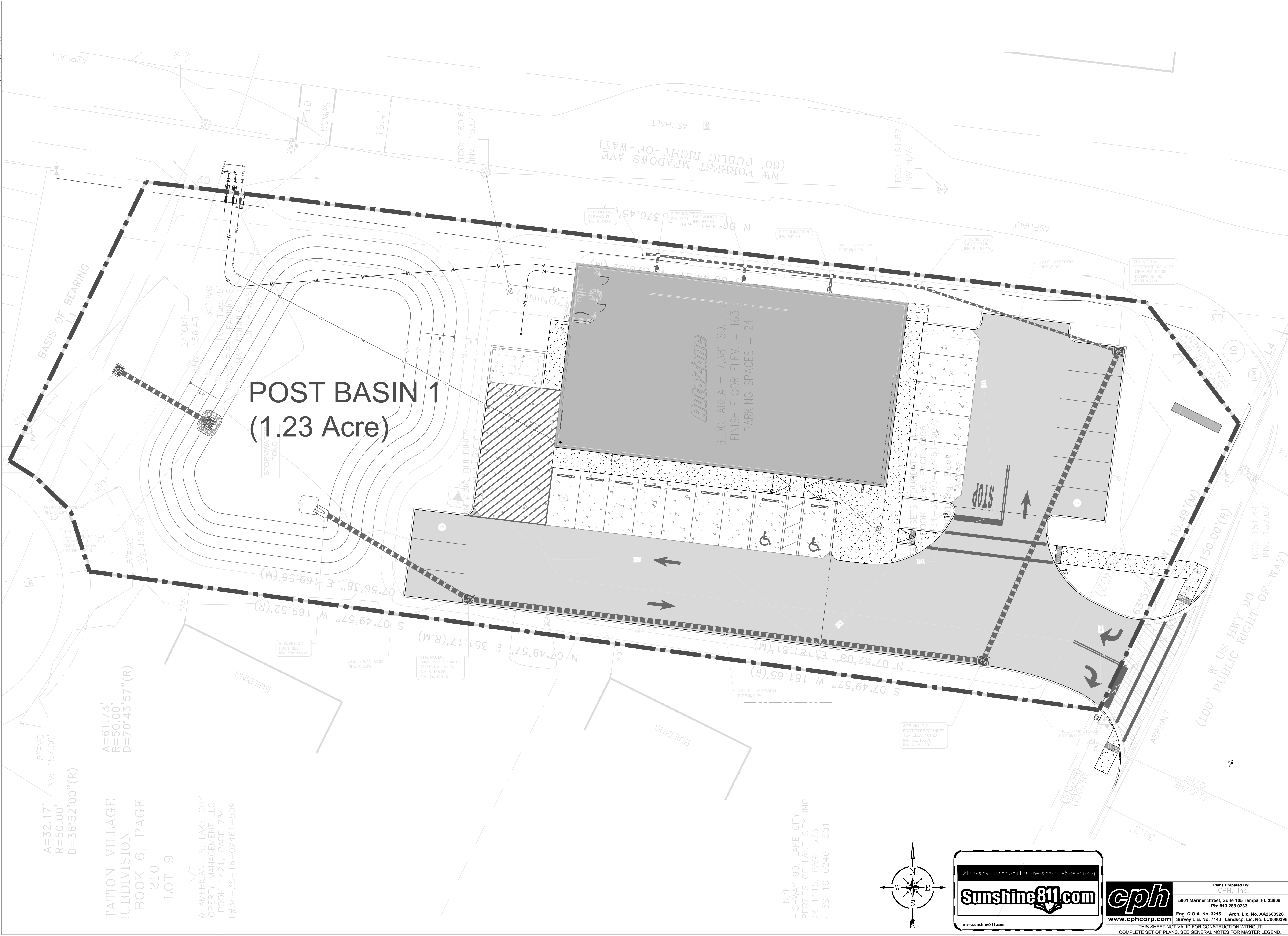
Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	100 YR 24 HR	9999.00	156.43	0.0000	3.70	0.00	0
Tailwater	FDOT 10 YR 1 HR	9999.00	156.43	0.0000	0.83	0.00	0
Tailwater	FDOT 10 YR 2 HR	9999.00	156.43	0.0000	0.80	0.00	0
Tailwater	FDOT 10 YR 24 HR	9999.00	156.43	0.0000	0.42	0.00	0
Tailwater	FDOT 10 YR 4 HR	9999.00	156.43	0.0000	0.90	0.00	0
Tailwater	FDOT 10 YR 72 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 10 YR 8 HR	9999.00	156.43	0.0000	0.95	0.00	0
Tailwater	FDOT 100 YR 1 HR	9999.00	156.43	0.0000	1.68	0.00	0
Tailwater	FDOT 100 YR 2 HR	9999.00	156.43	0.0000	1.57	0.00	0
Tailwater	FDOT 100 YR 24 HR	9999.00	156.43	0.0000	0.79	0.00	0
Tailwater	FDOT 100 YR 4 HR	9999.00	156.43	0.0000	1.61	0.00	0
Tailwater	FDOT 100 YR 72 HR	9999.00	156.43	0.0000	0.66	0.00	0
Tailwater	FDOT 100 YR	9999.00	156.43	0.0000	1.83	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	8 HR						
Tailwater	FDOT 2 YR 1 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 2 YR 2 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 2 YR 24 HR	9999.00	156.43	0.0000	0.17	0.00	0
Tailwater	FDOT 2 YR 4 HR	9999.00	156.43	0.0000	0.36	0.00	0
Tailwater	FDOT 2 YR 72 HR	9999.00	156.43	0.0000	0.22	0.00	0
Tailwater	FDOT 2 YR 8 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 25 YR 1 HR	9999.00	156.43	0.0000	1.11	0.00	0
Tailwater	FDOT 25 YR 2 HR	9999.00	156.43	0.0000	1.11	0.00	0
Tailwater	FDOT 25 YR 24 HR	9999.00	156.43	0.0000	0.56	0.00	0
Tailwater	FDOT 25 YR 4 HR	9999.00	156.43	0.0000	1.19	0.00	0
Tailwater	FDOT 25 YR 72 HR	9999.00	156.43	0.0000	0.51	0.00	0
Tailwater	FDOT 25 YR 8 HR	9999.00	156.43	0.0000	1.29	0.00	0
Tailwater	FDOT 3 YR 1 HR	9999.00	156.43	0.0000	0.50	0.00	0
Tailwater	FDOT 3 YR 2 HR	9999.00	156.43	0.0000	0.34	0.00	0
Tailwater	FDOT 3 YR 24 HR	9999.00	156.43	0.0000	0.20	0.00	0
Tailwater	FDOT 3 YR 4 HR	9999.00	156.43	0.0000	0.44	0.00	0
Tailwater	FDOT 3 YR 72 HR	9999.00	156.43	0.0000	0.24	0.00	0
Tailwater	FDOT 3 YR 8 HR	9999.00	156.43	0.0000	0.42	0.00	0
Tailwater	FDOT 5 YR 1 HR	9999.00	156.43	0.0000	0.59	0.00	0
Tailwater	FDOT 5 YR 2 HR	9999.00	156.43	0.0000	0.47	0.00	0
Tailwater	FDOT 5 YR 24 HR	9999.00	156.43	0.0000	0.25	0.00	0
Tailwater	FDOT 5 YR 4 HR	9999.00	156.43	0.0000	0.58	0.00	0
Tailwater	FDOT 5 YR 72 HR	9999.00	156.43	0.0000	0.29	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	FDOT 5 YR 8 HR	9999.00	156.43	0.0000	0.57	0.00	0
Tailwater	FDOT 50 YR 1 HR	9999.00	156.43	0.0000	1.27	0.00	0
Tailwater	FDOT 50 YR 2 HR	9999.00	156.43	0.0000	1.25	0.00	0
Tailwater	FDOT 50 YR 24 HR	9999.00	156.43	0.0000	0.63	0.00	0
Tailwater	FDOT 50 YR 4 HR	9999.00	156.43	0.0000	1.33	0.00	0
Tailwater	FDOT 50 YR 72 HR	9999.00	156.43	0.0000	0.56	0.00	0
Tailwater	FDOT 50 YR 8 HR	9999.00	156.43	0.0000	1.46	0.00	0



Matthew S. D'Angelo, State of Florida, Professional Engineer, License No. 91885 This item has been digitally signed and sealed by Matthew S. D'Angelo on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

AutoZone Store No. FL 10562
NWC OF US-90 W &
NW FOREST MEADOWS AVE,
LAKE CITY, FLORIDA 32055

Owner / Developer: AUTOZONE STORES LLC
123 South Front Street, 3rd Floor
Memphis, Tennessee 38103
TEL: 901-495-8709 FAX: (901) 495-8969

For Bidding & Contractor Information Contact:
Dodge Data & Analytics, Tel. 413-930-4215
Cindy.searcy@construction.com



3/19/2025

7N2

POST BASIN
MAP

Simple Basin: Post-Basin 1

Scenario: Scenario1
Node: Pond 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2200 ac
Curve Number: 68.0
% Impervious: 53.54
% DCIA: 53.54
% Direct: 0.00
Rainfall Name:

Comment: Open space, poor condition condition. HSG A.

Simulation: 100 YR 24 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:21 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~SCSII-24

Rainfall Amount: 9.84 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 1 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:25:31 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 3.05 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:34 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: ~FDOT-2
 Rainfall Amount: 3.70 in
 Storm Duration: 2.0000 hr
 Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 100 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 24 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:25:37 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set:
Unit Hydrograph Folder:	Extern Hydrograph Set:
	Curve Number Set: CN
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set: 1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
		Opt:	
Max dZ:	1.0000 ft	Rainfall Name:	~FDOT-24
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	6.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area	100 ft2
		(1D):	
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 10 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:25:48 PM
Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 4.40 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:26:00 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Rainfall Name: ~FDOT-72
Rainfall Amount: 8.30 in
Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 10 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:26:41 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

Unit Hydrograph
Folder:

Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 5.12 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:26:53 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 4.20 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:26:56 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:
Rainfall Name: ~FDOT-2
Rainfall Amount: 5.10 in

Edge Length Option: Automatic

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:27:01 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Folder:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 9.84 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:27:17 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
------	-------	-----	-----------	----------------------

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 6.08 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:27:22 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 12.40 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 100 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:28:15 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 7.36 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:28:21 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 2.30 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:28:23 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-2
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.45 in
Edge Length Option: Automatic	Storm Duration: 2.0000 hr
	Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:28:25 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 4.30 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:28:59 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 2.85 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:29:08 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year

Month

Day

Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft
 Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
 Opt:

Rainfall Name: ~FDOT-72
 Rainfall Amount: 5.50 in
 Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area: 100 ft2
 (1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 2 YR 8 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:07 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-8
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.45 in
	Storm Duration: 8.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:30:18 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-1

Rainfall Amount: 3.45 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 2 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:30:20 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 4.30 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:30:25 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 7.92 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 4 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:30:49 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-4

Rainfall Amount: 5.12 in

Storm Duration: 4.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 72 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:30:55 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 10.00 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 25 YR 8 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:32:01 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set: CN

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

 Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Opt:

Rainfall Name: ~FDOT-8
Rainfall Amount: 6.00 in
Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:12 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set:
Unit Hydrograph Folder:	Extern Hydrograph Set:
	Curve Number Set: CN
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set: 1

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
		Opt:	
Max dZ:	1.0000 ft	Rainfall Name:	~FDOT-1
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	2.50 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area	100 ft2
		(1D):	
		Energy Switch (1D):	Energy

Comment:

Simulation: FDOT 3 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:15 PM
Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2
Rainfall Amount: 2.64 in
Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:32:16 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

Rainfall Name: ~FDOT-24
Rainfall Amount: 4.56 in
Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 4 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:35 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

Unit Hydrograph
Folder:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-4
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.08 in
	Storm Duration: 4.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:32:41 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 5.80 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 3 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:33:33 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:
Rainfall Name: ~FDOT-8
Rainfall Amount: 3.52 in

Edge Length Option: Automatic

Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 1 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:33:50 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Folder:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-1
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.65 in
	Storm Duration: 1.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 2 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:33:56 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 2.98 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:34:02 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-24

Rainfall Amount: 5.10 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 4 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:34:31 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-4
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.52 in
	Storm Duration: 4.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 72 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:34:35 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 6.62 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 5 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:36:16 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-8

Rainfall Amount: 4.02 in

Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 1 HR

Scenario: Scenario1
Run Date/Time: 3/7/2025 3:36:27 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-1
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 3.67 in
	Storm Duration: 1.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 2 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:36:28 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	2.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-2

Rainfall Amount: 4.55 in

Storm Duration: 2.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 24 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:36:36 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

Year

Month

Day

Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft
 Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:

Rainfall Name: ~FDOT-24

Rainfall Amount: 8.54 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area: 100 ft2
(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 4 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:37:29 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: ~FDOT-4
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 5.45 in
	Storm Duration: 4.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 72 HR

Scenario: Scenario1
 Run Date/Time: 3/7/2025 3:37:37 PM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
------	-------	-----	-----------	----------------------

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-72

Rainfall Amount: 10.80 in

Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: FDOT 50 YR 8 HR

Scenario: Scenario1

Run Date/Time: 3/7/2025 3:39:22 PM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 8.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: 1

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FDOT-8

Rainfall Amount: 6.45 in

Storm Duration: 8.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Drop Structure Link: Control Structure		Upstream Pipe	Downstream Pipe
Scenario:	Scenario1	Invert: 156.00 ft	Invert: 155.00 ft
From Node:	Pond 1	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	Tailwater	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	35.00 ft	Top Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	156.95 ft
Control Elevation:	156.95 ft
Max Depth:	0.50 ft
Bottom Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Top Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default: 3.200	
Weir Table:	
Orifice Default: 0.600	
Orifice Table:	

Weir Comment:

Weir Component	
Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	158.80 ft
Control Elevation:	158.80 ft
Bottom Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	
Top Clip	
Default: 0.00 ft	
Op Table:	
Ref Node:	

Max Depth: 2.00 ft
 Max Width: 3.00 ft
 Fillet: 0.00 ft

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Weir Comment:

Drop Structure Comment:

Node: Pond 1

Scenario: Scenario1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 156.00 ft
 Warning Stage: 160.00 ft

Stage [ft]	Area [ac]	Area [ft2]
156.00	0.0950	4138
157.00	0.1190	5184
158.00	0.1460	6360
159.00	0.1750	7623
160.00	0.2070	9017

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	100 YR 24 HR	160.00	158.97	0.0010	8.51	3.44	7581
Pond 1	FDOT 10 YR 1 HR	160.00	157.43	0.0010	3.73	0.41	5690
Pond 1	FDOT 10 YR 2 HR	160.00	157.67	0.0010	3.09	0.65	5974
Pond 1	FDOT 10 YR 24 HR	160.00	157.51	0.0010	0.66	0.51	5784
Pond 1	FDOT 10 YR 4 HR	160.00	157.86	0.0010	1.88	0.77	6197
Pond 1	FDOT 10 YR 72 HR	160.00	157.45	0.0010	0.46	0.43	5715
Pond 1	FDOT 10 YR 8 HR	160.00	157.85	-0.0010	2.04	0.76	6185
Pond 1	FDOT 100 YR 1 HR	160.00	157.93	0.0010	5.60	0.81	6274

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	FDOT 100 YR 2 HR	160.00	158.23	0.0010	4.65	0.96	6652
Pond 1	FDOT 100 YR 24 HR	160.00	157.84	0.0010	1.05	0.75	6166
Pond 1	FDOT 100 YR 4 HR	160.00	158.48	0.0010	2.84	1.07	6966
Pond 1	FDOT 100 YR 72 HR	160.00	157.68	0.0010	0.71	0.65	5979
Pond 1	FDOT 100 YR 8 HR	160.00	158.57	0.0010	3.19	1.10	7075
Pond 1	FDOT 2 YR 1 HR	160.00	157.09	0.0010	2.61	0.05	5287
Pond 1	FDOT 2 YR 2 HR	160.00	157.25	0.0010	1.82	0.19	5473
Pond 1	FDOT 2 YR 24 HR	160.00	157.28	0.0010	0.38	0.24	5517
Pond 1	FDOT 2 YR 4 HR	160.00	157.36	0.0010	1.06	0.33	5604
Pond 1	FDOT 2 YR 72 HR	160.00	157.31	0.0009	0.28	0.27	5545
Pond 1	FDOT 2 YR 8 HR	160.00	157.40	0.0010	1.23	0.38	5659
Pond 1	FDOT 25 YR 1 HR	160.00	157.60	0.0010	4.36	0.60	5894
Pond 1	FDOT 25 YR 2 HR	160.00	157.90	0.0010	3.75	0.79	6248
Pond 1	FDOT 25 YR 24 HR	160.00	157.62	0.0010	0.81	0.61	5916
Pond 1	FDOT 25 YR 4 HR	160.00	158.12	0.0010	2.28	0.91	6514
Pond 1	FDOT 25 YR 72 HR	160.00	157.53	0.0010	0.56	0.54	5813
Pond 1	FDOT 25 YR 8 HR	160.00	158.13	0.0010	2.49	0.91	6519
Pond 1	FDOT 3 YR 1 HR	160.00	157.18	0.0010	2.90	0.13	5399
Pond 1	FDOT 3 YR 2 HR	160.00	157.31	0.0010	2.00	0.27	5552
Pond 1	FDOT 3 YR 24 HR	160.00	157.30	0.0010	0.41	0.26	5539
Pond 1	FDOT 3 YR 4 HR	160.00	157.43	0.0010	1.17	0.41	5688
Pond 1	FDOT 3 YR 72 HR	160.00	157.32	0.0009	0.30	0.29	5562
Pond 1	FDOT 3 YR 8 HR	160.00	157.42	0.0010	1.26	0.40	5679
Pond 1	FDOT 5 YR 1	160.00	157.25	0.0010	3.12	0.20	5481

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	HR						
Pond 1	FDOT 5 YR 2 HR	160.00	157.43	0.0010	2.34	0.41	5684
Pond 1	FDOT 5 YR 24 HR	160.00	157.35	0.0010	0.47	0.32	5599
Pond 1	FDOT 5 YR 4 HR	160.00	157.56	0.0010	1.40	0.57	5847
Pond 1	FDOT 5 YR 72 HR	160.00	157.36	0.0010	0.35	0.34	5609
Pond 1	FDOT 5 YR 8 HR	160.00	157.54	0.0010	1.50	0.55	5821
Pond 1	FDOT 50 YR 1 HR	160.00	157.70	0.0010	4.72	0.67	6004
Pond 1	FDOT 50 YR 2 HR	160.00	158.01	0.0010	4.03	0.85	6367
Pond 1	FDOT 50 YR 24 HR	160.00	157.69	0.0010	0.89	0.66	5992
Pond 1	FDOT 50 YR 4 HR	160.00	158.24	0.0010	2.47	0.97	6668
Pond 1	FDOT 50 YR 72 HR	160.00	157.57	0.0010	0.61	0.58	5860
Pond 1	FDOT 50 YR 8 HR	160.00	158.27	0.0010	2.72	0.98	6702

Node: Tailwater

Scenario: Scenario1
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 156.43 ft
 Warning Stage: 9999.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	156.43
0	0	0	24.0000	156.43

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	100 YR 24 HR	9999.00	156.43	0.0000	3.44	0.00	0
Tailwater	FDOT 10 YR 1 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 10 YR 2 HR	9999.00	156.43	0.0000	0.65	0.00	0
Tailwater	FDOT 10 YR 24 HR	9999.00	156.43	0.0000	0.51	0.00	0
Tailwater	FDOT 10 YR 4 HR	9999.00	156.43	0.0000	0.77	0.00	0
Tailwater	FDOT 10 YR 72 HR	9999.00	156.43	0.0000	0.43	0.00	0
Tailwater	FDOT 10 YR 8 HR	9999.00	156.43	0.0000	0.76	0.00	0
Tailwater	FDOT 100 YR 1 HR	9999.00	156.43	0.0000	0.81	0.00	0
Tailwater	FDOT 100 YR 2 HR	9999.00	156.43	0.0000	0.96	0.00	0
Tailwater	FDOT 100 YR 24 HR	9999.00	156.43	0.0000	0.75	0.00	0
Tailwater	FDOT 100 YR 4 HR	9999.00	156.43	0.0000	1.07	0.00	0
Tailwater	FDOT 100 YR 72 HR	9999.00	156.43	0.0000	0.65	0.00	0
Tailwater	FDOT 100 YR 8 HR	9999.00	156.43	0.0000	1.10	0.00	0
Tailwater	FDOT 2 YR 1 HR	9999.00	156.43	0.0000	0.05	0.00	0
Tailwater	FDOT 2 YR 2 HR	9999.00	156.43	0.0000	0.19	0.00	0
Tailwater	FDOT 2 YR 24 HR	9999.00	156.43	0.0000	0.24	0.00	0
Tailwater	FDOT 2 YR 4 HR	9999.00	156.43	0.0000	0.33	0.00	0
Tailwater	FDOT 2 YR 72 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 2 YR 8 HR	9999.00	156.43	0.0000	0.38	0.00	0
Tailwater	FDOT 25 YR 1 HR	9999.00	156.43	0.0000	0.60	0.00	0
Tailwater	FDOT 25 YR 2 HR	9999.00	156.43	0.0000	0.79	0.00	0
Tailwater	FDOT 25 YR 24 HR	9999.00	156.43	0.0000	0.61	0.00	0
Tailwater	FDOT 25 YR 4 HR	9999.00	156.43	0.0000	0.91	0.00	0
Tailwater	FDOT 25 YR 72 HR	9999.00	156.43	0.0000	0.54	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Tailwater	FDOT 25 YR 8 HR	9999.00	156.43	0.0000	0.91	0.00	0
Tailwater	FDOT 3 YR 1 HR	9999.00	156.43	0.0000	0.12	0.00	0
Tailwater	FDOT 3 YR 2 HR	9999.00	156.43	0.0000	0.27	0.00	0
Tailwater	FDOT 3 YR 24 HR	9999.00	156.43	0.0000	0.26	0.00	0
Tailwater	FDOT 3 YR 4 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 3 YR 72 HR	9999.00	156.43	0.0000	0.29	0.00	0
Tailwater	FDOT 3 YR 8 HR	9999.00	156.43	0.0000	0.40	0.00	0
Tailwater	FDOT 5 YR 1 HR	9999.00	156.43	0.0000	0.20	0.00	0
Tailwater	FDOT 5 YR 2 HR	9999.00	156.43	0.0000	0.41	0.00	0
Tailwater	FDOT 5 YR 24 HR	9999.00	156.43	0.0000	0.32	0.00	0
Tailwater	FDOT 5 YR 4 HR	9999.00	156.43	0.0000	0.57	0.00	0
Tailwater	FDOT 5 YR 72 HR	9999.00	156.43	0.0000	0.34	0.00	0
Tailwater	FDOT 5 YR 8 HR	9999.00	156.43	0.0000	0.55	0.00	0
Tailwater	FDOT 50 YR 1 HR	9999.00	156.43	0.0000	0.67	0.00	0
Tailwater	FDOT 50 YR 2 HR	9999.00	156.43	0.0000	0.85	0.00	0
Tailwater	FDOT 50 YR 24 HR	9999.00	156.43	0.0000	0.66	0.00	0
Tailwater	FDOT 50 YR 4 HR	9999.00	156.43	0.0000	0.97	0.00	0
Tailwater	FDOT 50 YR 72 HR	9999.00	156.43	0.0000	0.58	0.00	0
Tailwater	FDOT 50 YR 8 HR	9999.00	156.43	0.0000	0.98	0.00	0

Simulation: Slug

Scenario: Scenario1
Run Date/Time: 3/19/2025 1:11:02 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: ~FDOT-72
 Rainfall Amount: 0.00 in
 Storm Duration: 72.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 100 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Percolation Link: Perc-1

Scenario:	Scenario1	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond 1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	Groundwater	Perimeter 1:	356.00 ft
Link Count:	1	Perimeter 2:	501.00 ft
Flow Direction:	Both	Perimeter 3:	760.00 ft
Aquifer Base Elevation:	151.00 ft	Distance P1 to P2:	5.00 ft
Water Table Elevation:	155.00 ft	Distance P2 to P3:	5.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	5
Horizontal Conductivity:	7.500 fpd	# of Cells P2 to P3:	5
Vertical Conductivity:	6.500 fpd		
Fillable Porosity:	0.250		
Layer Thickness:	0.00 ft		

Comment:

Node: Groundwater

Scenario: Scenario1
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 155.00 ft
 Warning Stage: 9999.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	155.00
0	0	0	24.0000	155.00

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Groundwater	Slug	9999.00	155.00	0.0000	0.39	0.00	0

Node: Pond 1

Scenario: Scenario1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 156.95 ft
 Warning Stage: 160.00 ft

Stage [ft]	Area [ac]	Area [ft2]
156.00	0.0950	4138
157.00	0.1190	5184
158.00	0.1460	6360
159.00	0.1750	7623
160.00	0.2070	9017

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pond 1	Slug	160.00	156.95	-0.0005	0.00	0.39	5131

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	0.0000	155.00	0	0
Scenario1	Slug	Groundwater	0.2511	155.00	245	0
Scenario1	Slug	Groundwater	0.5050	155.00	360	0
Scenario1	Slug	Groundwater	0.7527	155.00	446	0
Scenario1	Slug	Groundwater	1.0027	155.00	518	0
Scenario1	Slug	Groundwater	1.2527	155.00	581	0
Scenario1	Slug	Groundwater	1.5027	155.00	639	0
Scenario1	Slug	Groundwater	1.7527	155.00	692	0
Scenario1	Slug	Groundwater	2.0027	155.00	742	0
Scenario1	Slug	Groundwater	2.2527	155.00	788	0
Scenario1	Slug	Groundwater	2.5027	155.00	833	0
Scenario1	Slug	Groundwater	2.7527	155.00	875	0
Scenario1	Slug	Groundwater	3.0027	155.00	915	0
Scenario1	Slug	Groundwater	3.2527	155.00	954	0
Scenario1	Slug	Groundwater	3.5027	155.00	992	0
Scenario1	Slug	Groundwater	3.7527	155.00	1029	0
Scenario1	Slug	Groundwater	4.0027	155.00	1064	0
Scenario1	Slug	Groundwater	4.2527	155.00	1099	0
Scenario1	Slug	Groundwater	4.5027	155.00	1132	0
Scenario1	Slug	Groundwater	4.7527	155.00	1166	0
Scenario1	Slug	Groundwater	5.0027	155.00	1198	0
Scenario1	Slug	Groundwater	5.2527	155.00	1230	0
Scenario1	Slug	Groundwater	5.5027	155.00	1261	0
Scenario1	Slug	Groundwater	5.7527	155.00	1292	0
Scenario1	Slug	Groundwater	6.0027	155.00	1323	0
Scenario1	Slug	Groundwater	6.2527	155.00	1353	0
Scenario1	Slug	Groundwater	6.5027	155.00	1383	0
Scenario1	Slug	Groundwater	6.7527	155.00	1412	0
Scenario1	Slug	Groundwater	7.0027	155.00	1441	0
Scenario1	Slug	Groundwater	7.2527	155.00	1470	0
Scenario1	Slug	Groundwater	7.5027	155.00	1499	0
Scenario1	Slug	Groundwater	7.7527	155.00	1528	0
Scenario1	Slug	Groundwater	8.0027	155.00	1556	0
Scenario1	Slug	Groundwater	8.2527	155.00	1584	0
Scenario1	Slug	Groundwater	8.5027	155.00	1612	0
Scenario1	Slug	Groundwater	8.7527	155.00	1640	0
Scenario1	Slug	Groundwater	9.0027	155.00	1667	0
Scenario1	Slug	Groundwater	9.2527	155.00	1694	0
Scenario1	Slug	Groundwater	9.5027	155.00	1722	0
Scenario1	Slug	Groundwater	9.7527	155.00	1749	0
Scenario1	Slug	Groundwater	10.0027	155.00	1776	0
Scenario1	Slug	Groundwater	10.2527	155.00	1803	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	10.5027	155.00	1829	0
Scenario1	Slug	Groundwater	10.7527	155.00	1856	0
Scenario1	Slug	Groundwater	11.0027	155.00	1882	0
Scenario1	Slug	Groundwater	11.2527	155.00	1908	0
Scenario1	Slug	Groundwater	11.5027	155.00	1935	0
Scenario1	Slug	Groundwater	11.7527	155.00	1961	0
Scenario1	Slug	Groundwater	12.0027	155.00	1986	0
Scenario1	Slug	Groundwater	12.2527	155.00	2012	0
Scenario1	Slug	Groundwater	12.5027	155.00	2038	0
Scenario1	Slug	Groundwater	12.7527	155.00	2063	0
Scenario1	Slug	Groundwater	13.0027	155.00	2089	0
Scenario1	Slug	Groundwater	13.2527	155.00	2114	0
Scenario1	Slug	Groundwater	13.5027	155.00	2139	0
Scenario1	Slug	Groundwater	13.7527	155.00	2165	0
Scenario1	Slug	Groundwater	14.0027	155.00	2190	0
Scenario1	Slug	Groundwater	14.2527	155.00	2214	0
Scenario1	Slug	Groundwater	14.5027	155.00	2239	0
Scenario1	Slug	Groundwater	14.7527	155.00	2264	0
Scenario1	Slug	Groundwater	15.0027	155.00	2289	0
Scenario1	Slug	Groundwater	15.2527	155.00	2313	0
Scenario1	Slug	Groundwater	15.5027	155.00	2337	0
Scenario1	Slug	Groundwater	15.7527	155.00	2362	0
Scenario1	Slug	Groundwater	16.0027	155.00	2386	0
Scenario1	Slug	Groundwater	16.2527	155.00	2410	0
Scenario1	Slug	Groundwater	16.5027	155.00	2434	0
Scenario1	Slug	Groundwater	16.7527	155.00	2458	0
Scenario1	Slug	Groundwater	17.0027	155.00	2481	0
Scenario1	Slug	Groundwater	17.2527	155.00	2505	0
Scenario1	Slug	Groundwater	17.5027	155.00	2529	0
Scenario1	Slug	Groundwater	17.7527	155.00	2552	0
Scenario1	Slug	Groundwater	18.0027	155.00	2575	0
Scenario1	Slug	Groundwater	18.2527	155.00	2599	0
Scenario1	Slug	Groundwater	18.5027	155.00	2622	0
Scenario1	Slug	Groundwater	18.7527	155.00	2645	0
Scenario1	Slug	Groundwater	19.0027	155.00	2668	0
Scenario1	Slug	Groundwater	19.2527	155.00	2691	0
Scenario1	Slug	Groundwater	19.5027	155.00	2713	0
Scenario1	Slug	Groundwater	19.7527	155.00	2736	0
Scenario1	Slug	Groundwater	20.0027	155.00	2759	0
Scenario1	Slug	Groundwater	20.2527	155.00	2781	0
Scenario1	Slug	Groundwater	20.5027	155.00	2803	0
Scenario1	Slug	Groundwater	20.7527	155.00	2826	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	21.0027	155.00	2848	0
Scenario1	Slug	Groundwater	21.2527	155.00	2870	0
Scenario1	Slug	Groundwater	21.5027	155.00	2892	0
Scenario1	Slug	Groundwater	21.7527	155.00	2914	0
Scenario1	Slug	Groundwater	22.0027	155.00	2936	0
Scenario1	Slug	Groundwater	22.2527	155.00	2957	0
Scenario1	Slug	Groundwater	22.5027	155.00	2979	0
Scenario1	Slug	Groundwater	22.7527	155.00	3001	0
Scenario1	Slug	Groundwater	23.0027	155.00	3022	0
Scenario1	Slug	Groundwater	23.2527	155.00	3043	0
Scenario1	Slug	Groundwater	23.5027	155.00	3065	0
Scenario1	Slug	Groundwater	23.7527	155.00	3086	0
Scenario1	Slug	Groundwater	24.0027	155.00	3107	0
Scenario1	Slug	Groundwater	24.2527	155.00	3128	0
Scenario1	Slug	Groundwater	24.5027	155.00	3149	0
Scenario1	Slug	Groundwater	24.7527	155.00	3170	0
Scenario1	Slug	Groundwater	25.0027	155.00	3190	0
Scenario1	Slug	Groundwater	25.2527	155.00	3211	0
Scenario1	Slug	Groundwater	25.5027	155.00	3232	0
Scenario1	Slug	Groundwater	25.7527	155.00	3252	0
Scenario1	Slug	Groundwater	26.0027	155.00	3272	0
Scenario1	Slug	Groundwater	26.2527	155.00	3293	0
Scenario1	Slug	Groundwater	26.5027	155.00	3313	0
Scenario1	Slug	Groundwater	26.7527	155.00	3333	0
Scenario1	Slug	Groundwater	27.0027	155.00	3353	0
Scenario1	Slug	Groundwater	27.2527	155.00	3373	0
Scenario1	Slug	Groundwater	27.5027	155.00	3393	0
Scenario1	Slug	Groundwater	27.7527	155.00	3413	0
Scenario1	Slug	Groundwater	28.0027	155.00	3432	0
Scenario1	Slug	Groundwater	28.2527	155.00	3452	0
Scenario1	Slug	Groundwater	28.5027	155.00	3472	0
Scenario1	Slug	Groundwater	28.7527	155.00	3491	0
Scenario1	Slug	Groundwater	29.0027	155.00	3510	0
Scenario1	Slug	Groundwater	29.2527	155.00	3530	0
Scenario1	Slug	Groundwater	29.5027	155.00	3549	0
Scenario1	Slug	Groundwater	29.7527	155.00	3568	0
Scenario1	Slug	Groundwater	30.0027	155.00	3587	0
Scenario1	Slug	Groundwater	30.2527	155.00	3606	0
Scenario1	Slug	Groundwater	30.5027	155.00	3625	0
Scenario1	Slug	Groundwater	30.7527	155.00	3644	0
Scenario1	Slug	Groundwater	31.0027	155.00	3662	0
Scenario1	Slug	Groundwater	31.2527	155.00	3681	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	31.5027	155.00	3700	0
Scenario1	Slug	Groundwater	31.7527	155.00	3718	0
Scenario1	Slug	Groundwater	32.0027	155.00	3737	0
Scenario1	Slug	Groundwater	32.2527	155.00	3755	0
Scenario1	Slug	Groundwater	32.5027	155.00	3773	0
Scenario1	Slug	Groundwater	32.7527	155.00	3791	0
Scenario1	Slug	Groundwater	33.0027	155.00	3809	0
Scenario1	Slug	Groundwater	33.2527	155.00	3827	0
Scenario1	Slug	Groundwater	33.5027	155.00	3845	0
Scenario1	Slug	Groundwater	33.7527	155.00	3863	0
Scenario1	Slug	Groundwater	34.0027	155.00	3881	0
Scenario1	Slug	Groundwater	34.2527	155.00	3899	0
Scenario1	Slug	Groundwater	34.5027	155.00	3916	0
Scenario1	Slug	Groundwater	34.7527	155.00	3934	0
Scenario1	Slug	Groundwater	35.0027	155.00	3951	0
Scenario1	Slug	Groundwater	35.2527	155.00	3969	0
Scenario1	Slug	Groundwater	35.5027	155.00	3986	0
Scenario1	Slug	Groundwater	35.7527	155.00	4003	0
Scenario1	Slug	Groundwater	36.0027	155.00	4021	0
Scenario1	Slug	Groundwater	36.2527	155.00	4038	0
Scenario1	Slug	Groundwater	36.5027	155.00	4055	0
Scenario1	Slug	Groundwater	36.7527	155.00	4072	0
Scenario1	Slug	Groundwater	37.0027	155.00	4089	0
Scenario1	Slug	Groundwater	37.2527	155.00	4105	0
Scenario1	Slug	Groundwater	37.5027	155.00	4122	0
Scenario1	Slug	Groundwater	37.7527	155.00	4139	0
Scenario1	Slug	Groundwater	38.0027	155.00	4156	0
Scenario1	Slug	Groundwater	38.2527	155.00	4172	0
Scenario1	Slug	Groundwater	38.5027	155.00	4189	0
Scenario1	Slug	Groundwater	38.7527	155.00	4205	0
Scenario1	Slug	Groundwater	39.0027	155.00	4221	0
Scenario1	Slug	Groundwater	39.2527	155.00	4238	0
Scenario1	Slug	Groundwater	39.5027	155.00	4254	0
Scenario1	Slug	Groundwater	39.7527	155.00	4270	0
Scenario1	Slug	Groundwater	40.0027	155.00	4286	0
Scenario1	Slug	Groundwater	40.2527	155.00	4302	0
Scenario1	Slug	Groundwater	40.5027	155.00	4318	0
Scenario1	Slug	Groundwater	40.7527	155.00	4334	0
Scenario1	Slug	Groundwater	41.0027	155.00	4350	0
Scenario1	Slug	Groundwater	41.2527	155.00	4365	0
Scenario1	Slug	Groundwater	41.5027	155.00	4381	0
Scenario1	Slug	Groundwater	41.7527	155.00	4396	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	42.0027	155.00	4402	0
Scenario1	Slug	Groundwater	42.2527	155.00	4402	0
Scenario1	Slug	Groundwater	42.5027	155.00	4402	0
Scenario1	Slug	Groundwater	42.7527	155.00	4402	0
Scenario1	Slug	Groundwater	43.0027	155.00	4402	0
Scenario1	Slug	Groundwater	43.2527	155.00	4402	0
Scenario1	Slug	Groundwater	43.5027	155.00	4402	0
Scenario1	Slug	Groundwater	43.7527	155.00	4402	0
Scenario1	Slug	Groundwater	44.0027	155.00	4402	0
Scenario1	Slug	Groundwater	44.2527	155.00	4402	0
Scenario1	Slug	Groundwater	44.5027	155.00	4402	0
Scenario1	Slug	Groundwater	44.7527	155.00	4402	0
Scenario1	Slug	Groundwater	45.0027	155.00	4402	0
Scenario1	Slug	Groundwater	45.2527	155.00	4402	0
Scenario1	Slug	Groundwater	45.5027	155.00	4402	0
Scenario1	Slug	Groundwater	45.7527	155.00	4402	0
Scenario1	Slug	Groundwater	46.0027	155.00	4402	0
Scenario1	Slug	Groundwater	46.2527	155.00	4402	0
Scenario1	Slug	Groundwater	46.5027	155.00	4402	0
Scenario1	Slug	Groundwater	46.7527	155.00	4402	0
Scenario1	Slug	Groundwater	47.0027	155.00	4402	0
Scenario1	Slug	Groundwater	47.2527	155.00	4402	0
Scenario1	Slug	Groundwater	47.5027	155.00	4402	0
Scenario1	Slug	Groundwater	47.7527	155.00	4402	0
Scenario1	Slug	Groundwater	48.0027	155.00	4402	0
Scenario1	Slug	Groundwater	48.2527	155.00	4402	0
Scenario1	Slug	Groundwater	48.5027	155.00	4402	0
Scenario1	Slug	Groundwater	48.7527	155.00	4402	0
Scenario1	Slug	Groundwater	49.0027	155.00	4402	0
Scenario1	Slug	Groundwater	49.2527	155.00	4402	0
Scenario1	Slug	Groundwater	49.5027	155.00	4402	0
Scenario1	Slug	Groundwater	49.7527	155.00	4402	0
Scenario1	Slug	Groundwater	50.0027	155.00	4402	0
Scenario1	Slug	Groundwater	50.2527	155.00	4402	0
Scenario1	Slug	Groundwater	50.5027	155.00	4402	0
Scenario1	Slug	Groundwater	50.7527	155.00	4402	0
Scenario1	Slug	Groundwater	51.0027	155.00	4402	0
Scenario1	Slug	Groundwater	51.2527	155.00	4402	0
Scenario1	Slug	Groundwater	51.5027	155.00	4402	0
Scenario1	Slug	Groundwater	51.7527	155.00	4402	0
Scenario1	Slug	Groundwater	52.0027	155.00	4402	0
Scenario1	Slug	Groundwater	52.2527	155.00	4402	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	52.5027	155.00	4402	0
Scenario1	Slug	Groundwater	52.7527	155.00	4402	0
Scenario1	Slug	Groundwater	53.0027	155.00	4402	0
Scenario1	Slug	Groundwater	53.2527	155.00	4402	0
Scenario1	Slug	Groundwater	53.5027	155.00	4402	0
Scenario1	Slug	Groundwater	53.7527	155.00	4402	0
Scenario1	Slug	Groundwater	54.0027	155.00	4402	0
Scenario1	Slug	Groundwater	54.2527	155.00	4402	0
Scenario1	Slug	Groundwater	54.5027	155.00	4402	0
Scenario1	Slug	Groundwater	54.7527	155.00	4402	0
Scenario1	Slug	Groundwater	55.0027	155.00	4402	0
Scenario1	Slug	Groundwater	55.2527	155.00	4402	0
Scenario1	Slug	Groundwater	55.5027	155.00	4402	0
Scenario1	Slug	Groundwater	55.7527	155.00	4402	0
Scenario1	Slug	Groundwater	56.0027	155.00	4402	0
Scenario1	Slug	Groundwater	56.2527	155.00	4402	0
Scenario1	Slug	Groundwater	56.5027	155.00	4402	0
Scenario1	Slug	Groundwater	56.7527	155.00	4402	0
Scenario1	Slug	Groundwater	57.0027	155.00	4402	0
Scenario1	Slug	Groundwater	57.2527	155.00	4402	0
Scenario1	Slug	Groundwater	57.5027	155.00	4402	0
Scenario1	Slug	Groundwater	57.7527	155.00	4402	0
Scenario1	Slug	Groundwater	58.0027	155.00	4402	0
Scenario1	Slug	Groundwater	58.2527	155.00	4402	0
Scenario1	Slug	Groundwater	58.5027	155.00	4402	0
Scenario1	Slug	Groundwater	58.7527	155.00	4402	0
Scenario1	Slug	Groundwater	59.0027	155.00	4402	0
Scenario1	Slug	Groundwater	59.2527	155.00	4402	0
Scenario1	Slug	Groundwater	59.5027	155.00	4402	0
Scenario1	Slug	Groundwater	59.7527	155.00	4402	0
Scenario1	Slug	Groundwater	60.0027	155.00	4402	0
Scenario1	Slug	Groundwater	60.2527	155.00	4402	0
Scenario1	Slug	Groundwater	60.5027	155.00	4402	0
Scenario1	Slug	Groundwater	60.7527	155.00	4402	0
Scenario1	Slug	Groundwater	61.0027	155.00	4402	0
Scenario1	Slug	Groundwater	61.2527	155.00	4402	0
Scenario1	Slug	Groundwater	61.5027	155.00	4402	0
Scenario1	Slug	Groundwater	61.7527	155.00	4402	0
Scenario1	Slug	Groundwater	62.0027	155.00	4402	0
Scenario1	Slug	Groundwater	62.2527	155.00	4402	0
Scenario1	Slug	Groundwater	62.5027	155.00	4402	0
Scenario1	Slug	Groundwater	62.7527	155.00	4402	0

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Groundwater	63.0027	155.00	4402	0
Scenario1	Slug	Groundwater	63.2527	155.00	4402	0
Scenario1	Slug	Groundwater	63.5027	155.00	4402	0
Scenario1	Slug	Groundwater	63.7527	155.00	4402	0
Scenario1	Slug	Groundwater	64.0027	155.00	4402	0
Scenario1	Slug	Groundwater	64.2527	155.00	4402	0
Scenario1	Slug	Groundwater	64.5027	155.00	4402	0
Scenario1	Slug	Groundwater	64.7527	155.00	4402	0
Scenario1	Slug	Groundwater	65.0027	155.00	4402	0
Scenario1	Slug	Groundwater	65.2527	155.00	4402	0
Scenario1	Slug	Groundwater	65.5027	155.00	4402	0
Scenario1	Slug	Groundwater	65.7527	155.00	4402	0
Scenario1	Slug	Groundwater	66.0027	155.00	4402	0
Scenario1	Slug	Groundwater	66.2527	155.00	4402	0
Scenario1	Slug	Groundwater	66.5027	155.00	4402	0
Scenario1	Slug	Groundwater	66.7527	155.00	4402	0
Scenario1	Slug	Groundwater	67.0027	155.00	4402	0
Scenario1	Slug	Groundwater	67.2527	155.00	4402	0
Scenario1	Slug	Groundwater	67.5027	155.00	4402	0
Scenario1	Slug	Groundwater	67.7527	155.00	4402	0
Scenario1	Slug	Groundwater	68.0027	155.00	4402	0
Scenario1	Slug	Groundwater	68.2527	155.00	4402	0
Scenario1	Slug	Groundwater	68.5027	155.00	4402	0
Scenario1	Slug	Groundwater	68.7527	155.00	4402	0
Scenario1	Slug	Groundwater	69.0027	155.00	4402	0
Scenario1	Slug	Groundwater	69.2527	155.00	4402	0
Scenario1	Slug	Groundwater	69.5027	155.00	4402	0
Scenario1	Slug	Groundwater	69.7527	155.00	4402	0
Scenario1	Slug	Groundwater	70.0027	155.00	4402	0
Scenario1	Slug	Groundwater	70.2527	155.00	4402	0
Scenario1	Slug	Groundwater	70.5027	155.00	4402	0
Scenario1	Slug	Groundwater	70.7527	155.00	4402	0
Scenario1	Slug	Groundwater	71.0027	155.00	4402	0
Scenario1	Slug	Groundwater	71.2527	155.00	4402	0
Scenario1	Slug	Groundwater	71.5027	155.00	4402	0
Scenario1	Slug	Groundwater	71.7527	155.00	4402	0
Scenario1	Slug	Groundwater	72.0027	155.00	4402	0
Scenario1	Slug	Pond 1	0.0000	156.95	0	0
Scenario1	Slug	Pond 1	0.2511	156.90	0	245
Scenario1	Slug	Pond 1	0.5050	156.88	0	360
Scenario1	Slug	Pond 1	0.7527	156.86	0	446
Scenario1	Slug	Pond 1	1.0027	156.85	0	518

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	1.2527	156.84	0	581
Scenario1	Slug	Pond 1	1.5027	156.82	0	639
Scenario1	Slug	Pond 1	1.7527	156.81	0	692
Scenario1	Slug	Pond 1	2.0027	156.80	0	742
Scenario1	Slug	Pond 1	2.2527	156.79	0	788
Scenario1	Slug	Pond 1	2.5027	156.78	0	833
Scenario1	Slug	Pond 1	2.7527	156.78	0	875
Scenario1	Slug	Pond 1	3.0027	156.77	0	915
Scenario1	Slug	Pond 1	3.2527	156.76	0	954
Scenario1	Slug	Pond 1	3.5027	156.75	0	992
Scenario1	Slug	Pond 1	3.7527	156.75	0	1029
Scenario1	Slug	Pond 1	4.0027	156.74	0	1064
Scenario1	Slug	Pond 1	4.2527	156.73	0	1099
Scenario1	Slug	Pond 1	4.5027	156.72	0	1132
Scenario1	Slug	Pond 1	4.7527	156.72	0	1166
Scenario1	Slug	Pond 1	5.0027	156.71	0	1198
Scenario1	Slug	Pond 1	5.2527	156.70	0	1230
Scenario1	Slug	Pond 1	5.5027	156.70	0	1261
Scenario1	Slug	Pond 1	5.7527	156.69	0	1292
Scenario1	Slug	Pond 1	6.0027	156.69	0	1323
Scenario1	Slug	Pond 1	6.2527	156.68	0	1353
Scenario1	Slug	Pond 1	6.5027	156.67	0	1383
Scenario1	Slug	Pond 1	6.7527	156.67	0	1412
Scenario1	Slug	Pond 1	7.0027	156.66	0	1441
Scenario1	Slug	Pond 1	7.2527	156.65	0	1470
Scenario1	Slug	Pond 1	7.5027	156.65	0	1499
Scenario1	Slug	Pond 1	7.7527	156.64	0	1528
Scenario1	Slug	Pond 1	8.0027	156.64	0	1556
Scenario1	Slug	Pond 1	8.2527	156.63	0	1584
Scenario1	Slug	Pond 1	8.5027	156.63	0	1612
Scenario1	Slug	Pond 1	8.7527	156.62	0	1640
Scenario1	Slug	Pond 1	9.0027	156.61	0	1667
Scenario1	Slug	Pond 1	9.2527	156.61	0	1694
Scenario1	Slug	Pond 1	9.5027	156.60	0	1722
Scenario1	Slug	Pond 1	9.7527	156.60	0	1749
Scenario1	Slug	Pond 1	10.0027	156.59	0	1776
Scenario1	Slug	Pond 1	10.2527	156.59	0	1803
Scenario1	Slug	Pond 1	10.5027	156.58	0	1829
Scenario1	Slug	Pond 1	10.7527	156.57	0	1856
Scenario1	Slug	Pond 1	11.0027	156.57	0	1882
Scenario1	Slug	Pond 1	11.2527	156.56	0	1908
Scenario1	Slug	Pond 1	11.5027	156.56	0	1935

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	11.7527	156.55	0	1961
Scenario1	Slug	Pond 1	12.0027	156.55	0	1986
Scenario1	Slug	Pond 1	12.2527	156.54	0	2012
Scenario1	Slug	Pond 1	12.5027	156.54	0	2038
Scenario1	Slug	Pond 1	12.7527	156.53	0	2063
Scenario1	Slug	Pond 1	13.0027	156.52	0	2089
Scenario1	Slug	Pond 1	13.2527	156.52	0	2114
Scenario1	Slug	Pond 1	13.5027	156.51	0	2139
Scenario1	Slug	Pond 1	13.7527	156.51	0	2165
Scenario1	Slug	Pond 1	14.0027	156.50	0	2190
Scenario1	Slug	Pond 1	14.2527	156.50	0	2214
Scenario1	Slug	Pond 1	14.5027	156.49	0	2239
Scenario1	Slug	Pond 1	14.7527	156.49	0	2264
Scenario1	Slug	Pond 1	15.0027	156.48	0	2289
Scenario1	Slug	Pond 1	15.2527	156.48	0	2313
Scenario1	Slug	Pond 1	15.5027	156.47	0	2337
Scenario1	Slug	Pond 1	15.7527	156.47	0	2362
Scenario1	Slug	Pond 1	16.0027	156.46	0	2386
Scenario1	Slug	Pond 1	16.2527	156.46	0	2410
Scenario1	Slug	Pond 1	16.5027	156.45	0	2434
Scenario1	Slug	Pond 1	16.7527	156.45	0	2458
Scenario1	Slug	Pond 1	17.0027	156.44	0	2481
Scenario1	Slug	Pond 1	17.2527	156.43	0	2505
Scenario1	Slug	Pond 1	17.5027	156.43	0	2529
Scenario1	Slug	Pond 1	17.7527	156.42	0	2552
Scenario1	Slug	Pond 1	18.0027	156.42	0	2575
Scenario1	Slug	Pond 1	18.2527	156.41	0	2599
Scenario1	Slug	Pond 1	18.5027	156.41	0	2622
Scenario1	Slug	Pond 1	18.7527	156.40	0	2645
Scenario1	Slug	Pond 1	19.0027	156.40	0	2668
Scenario1	Slug	Pond 1	19.2527	156.39	0	2691
Scenario1	Slug	Pond 1	19.5027	156.39	0	2713
Scenario1	Slug	Pond 1	19.7527	156.38	0	2736
Scenario1	Slug	Pond 1	20.0027	156.38	0	2759
Scenario1	Slug	Pond 1	20.2527	156.37	0	2781
Scenario1	Slug	Pond 1	20.5027	156.37	0	2803
Scenario1	Slug	Pond 1	20.7527	156.36	0	2826
Scenario1	Slug	Pond 1	21.0027	156.36	0	2848
Scenario1	Slug	Pond 1	21.2527	156.35	0	2870
Scenario1	Slug	Pond 1	21.5027	156.35	0	2892
Scenario1	Slug	Pond 1	21.7527	156.34	0	2914
Scenario1	Slug	Pond 1	22.0027	156.34	0	2936

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	22.2527	156.34	0	2957
Scenario1	Slug	Pond 1	22.5027	156.33	0	2979
Scenario1	Slug	Pond 1	22.7527	156.33	0	3001
Scenario1	Slug	Pond 1	23.0027	156.32	0	3022
Scenario1	Slug	Pond 1	23.2527	156.32	0	3043
Scenario1	Slug	Pond 1	23.5027	156.31	0	3065
Scenario1	Slug	Pond 1	23.7527	156.31	0	3086
Scenario1	Slug	Pond 1	24.0027	156.30	0	3107
Scenario1	Slug	Pond 1	24.2527	156.30	0	3128
Scenario1	Slug	Pond 1	24.5027	156.29	0	3149
Scenario1	Slug	Pond 1	24.7527	156.29	0	3170
Scenario1	Slug	Pond 1	25.0027	156.28	0	3190
Scenario1	Slug	Pond 1	25.2527	156.28	0	3211
Scenario1	Slug	Pond 1	25.5027	156.27	0	3232
Scenario1	Slug	Pond 1	25.7527	156.27	0	3252
Scenario1	Slug	Pond 1	26.0027	156.26	0	3272
Scenario1	Slug	Pond 1	26.2527	156.26	0	3293
Scenario1	Slug	Pond 1	26.5027	156.26	0	3313
Scenario1	Slug	Pond 1	26.7527	156.25	0	3333
Scenario1	Slug	Pond 1	27.0027	156.25	0	3353
Scenario1	Slug	Pond 1	27.2527	156.24	0	3373
Scenario1	Slug	Pond 1	27.5027	156.24	0	3393
Scenario1	Slug	Pond 1	27.7527	156.23	0	3413
Scenario1	Slug	Pond 1	28.0027	156.23	0	3432
Scenario1	Slug	Pond 1	28.2527	156.22	0	3452
Scenario1	Slug	Pond 1	28.5027	156.22	0	3472
Scenario1	Slug	Pond 1	28.7527	156.21	0	3491
Scenario1	Slug	Pond 1	29.0027	156.21	0	3510
Scenario1	Slug	Pond 1	29.2527	156.21	0	3530
Scenario1	Slug	Pond 1	29.5027	156.20	0	3549
Scenario1	Slug	Pond 1	29.7527	156.20	0	3568
Scenario1	Slug	Pond 1	30.0027	156.19	0	3587
Scenario1	Slug	Pond 1	30.2527	156.19	0	3606
Scenario1	Slug	Pond 1	30.5027	156.18	0	3625
Scenario1	Slug	Pond 1	30.7527	156.18	0	3644
Scenario1	Slug	Pond 1	31.0027	156.17	0	3662
Scenario1	Slug	Pond 1	31.2527	156.17	0	3681
Scenario1	Slug	Pond 1	31.5027	156.17	0	3700
Scenario1	Slug	Pond 1	31.7527	156.16	0	3718
Scenario1	Slug	Pond 1	32.0027	156.16	0	3737
Scenario1	Slug	Pond 1	32.2527	156.15	0	3755
Scenario1	Slug	Pond 1	32.5027	156.15	0	3773

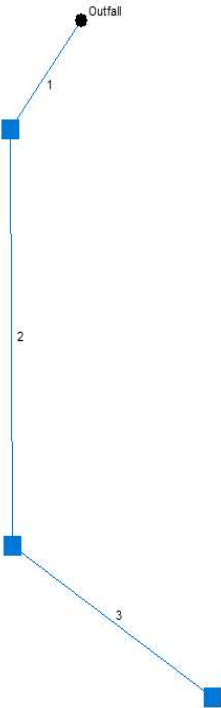
Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	32.7527	156.15	0	3791
Scenario1	Slug	Pond 1	33.0027	156.14	0	3809
Scenario1	Slug	Pond 1	33.2527	156.14	0	3827
Scenario1	Slug	Pond 1	33.5027	156.13	0	3845
Scenario1	Slug	Pond 1	33.7527	156.13	0	3863
Scenario1	Slug	Pond 1	34.0027	156.12	0	3881
Scenario1	Slug	Pond 1	34.2527	156.12	0	3899
Scenario1	Slug	Pond 1	34.5027	156.12	0	3916
Scenario1	Slug	Pond 1	34.7527	156.11	0	3934
Scenario1	Slug	Pond 1	35.0027	156.11	0	3951
Scenario1	Slug	Pond 1	35.2527	156.10	0	3969
Scenario1	Slug	Pond 1	35.5027	156.10	0	3986
Scenario1	Slug	Pond 1	35.7527	156.10	0	4003
Scenario1	Slug	Pond 1	36.0027	156.09	0	4021
Scenario1	Slug	Pond 1	36.2527	156.09	0	4038
Scenario1	Slug	Pond 1	36.5027	156.08	0	4055
Scenario1	Slug	Pond 1	36.7527	156.08	0	4072
Scenario1	Slug	Pond 1	37.0027	156.08	0	4089
Scenario1	Slug	Pond 1	37.2527	156.07	0	4105
Scenario1	Slug	Pond 1	37.5027	156.07	0	4122
Scenario1	Slug	Pond 1	37.7527	156.06	0	4139
Scenario1	Slug	Pond 1	38.0027	156.06	0	4156
Scenario1	Slug	Pond 1	38.2527	156.06	0	4172
Scenario1	Slug	Pond 1	38.5027	156.05	0	4189
Scenario1	Slug	Pond 1	38.7527	156.05	0	4205
Scenario1	Slug	Pond 1	39.0027	156.04	0	4221
Scenario1	Slug	Pond 1	39.2527	156.04	0	4238
Scenario1	Slug	Pond 1	39.5027	156.04	0	4254
Scenario1	Slug	Pond 1	39.7527	156.03	0	4270
Scenario1	Slug	Pond 1	40.0027	156.03	0	4286
Scenario1	Slug	Pond 1	40.2527	156.02	0	4302
Scenario1	Slug	Pond 1	40.5027	156.02	0	4318
Scenario1	Slug	Pond 1	40.7527	156.02	0	4334
Scenario1	Slug	Pond 1	41.0027	156.01	0	4350
Scenario1	Slug	Pond 1	41.2527	156.01	0	4365
Scenario1	Slug	Pond 1	41.5027	156.01	0	4381
Scenario1	Slug	Pond 1	41.7527	156.00	0	4396
Scenario1	Slug	Pond 1	42.0027	156.00	0	4402
Scenario1	Slug	Pond 1	42.2527	156.00	0	4402
Scenario1	Slug	Pond 1	42.5027	156.00	0	4402
Scenario1	Slug	Pond 1	42.7527	156.00	0	4402
Scenario1	Slug	Pond 1	43.0027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	43.2527	156.00	0	4402
Scenario1	Slug	Pond 1	43.5027	156.00	0	4402
Scenario1	Slug	Pond 1	43.7527	156.00	0	4402
Scenario1	Slug	Pond 1	44.0027	156.00	0	4402
Scenario1	Slug	Pond 1	44.2527	156.00	0	4402
Scenario1	Slug	Pond 1	44.5027	156.00	0	4402
Scenario1	Slug	Pond 1	44.7527	156.00	0	4402
Scenario1	Slug	Pond 1	45.0027	156.00	0	4402
Scenario1	Slug	Pond 1	45.2527	156.00	0	4402
Scenario1	Slug	Pond 1	45.5027	156.00	0	4402
Scenario1	Slug	Pond 1	45.7527	156.00	0	4402
Scenario1	Slug	Pond 1	46.0027	156.00	0	4402
Scenario1	Slug	Pond 1	46.2527	156.00	0	4402
Scenario1	Slug	Pond 1	46.5027	156.00	0	4402
Scenario1	Slug	Pond 1	46.7527	156.00	0	4402
Scenario1	Slug	Pond 1	47.0027	156.00	0	4402
Scenario1	Slug	Pond 1	47.2527	156.00	0	4402
Scenario1	Slug	Pond 1	47.5027	156.00	0	4402
Scenario1	Slug	Pond 1	47.7527	156.00	0	4402
Scenario1	Slug	Pond 1	48.0027	156.00	0	4402
Scenario1	Slug	Pond 1	48.2527	156.00	0	4402
Scenario1	Slug	Pond 1	48.5027	156.00	0	4402
Scenario1	Slug	Pond 1	48.7527	156.00	0	4402
Scenario1	Slug	Pond 1	49.0027	156.00	0	4402
Scenario1	Slug	Pond 1	49.2527	156.00	0	4402
Scenario1	Slug	Pond 1	49.5027	156.00	0	4402
Scenario1	Slug	Pond 1	49.7527	156.00	0	4402
Scenario1	Slug	Pond 1	50.0027	156.00	0	4402
Scenario1	Slug	Pond 1	50.2527	156.00	0	4402
Scenario1	Slug	Pond 1	50.5027	156.00	0	4402
Scenario1	Slug	Pond 1	50.7527	156.00	0	4402
Scenario1	Slug	Pond 1	51.0027	156.00	0	4402
Scenario1	Slug	Pond 1	51.2527	156.00	0	4402
Scenario1	Slug	Pond 1	51.5027	156.00	0	4402
Scenario1	Slug	Pond 1	51.7527	156.00	0	4402
Scenario1	Slug	Pond 1	52.0027	156.00	0	4402
Scenario1	Slug	Pond 1	52.2527	156.00	0	4402
Scenario1	Slug	Pond 1	52.5027	156.00	0	4402
Scenario1	Slug	Pond 1	52.7527	156.00	0	4402
Scenario1	Slug	Pond 1	53.0027	156.00	0	4402
Scenario1	Slug	Pond 1	53.2527	156.00	0	4402
Scenario1	Slug	Pond 1	53.5027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	53.7527	156.00	0	4402
Scenario1	Slug	Pond 1	54.0027	156.00	0	4402
Scenario1	Slug	Pond 1	54.2527	156.00	0	4402
Scenario1	Slug	Pond 1	54.5027	156.00	0	4402
Scenario1	Slug	Pond 1	54.7527	156.00	0	4402
Scenario1	Slug	Pond 1	55.0027	156.00	0	4402
Scenario1	Slug	Pond 1	55.2527	156.00	0	4402
Scenario1	Slug	Pond 1	55.5027	156.00	0	4402
Scenario1	Slug	Pond 1	55.7527	156.00	0	4402
Scenario1	Slug	Pond 1	56.0027	156.00	0	4402
Scenario1	Slug	Pond 1	56.2527	156.00	0	4402
Scenario1	Slug	Pond 1	56.5027	156.00	0	4402
Scenario1	Slug	Pond 1	56.7527	156.00	0	4402
Scenario1	Slug	Pond 1	57.0027	156.00	0	4402
Scenario1	Slug	Pond 1	57.2527	156.00	0	4402
Scenario1	Slug	Pond 1	57.5027	156.00	0	4402
Scenario1	Slug	Pond 1	57.7527	156.00	0	4402
Scenario1	Slug	Pond 1	58.0027	156.00	0	4402
Scenario1	Slug	Pond 1	58.2527	156.00	0	4402
Scenario1	Slug	Pond 1	58.5027	156.00	0	4402
Scenario1	Slug	Pond 1	58.7527	156.00	0	4402
Scenario1	Slug	Pond 1	59.0027	156.00	0	4402
Scenario1	Slug	Pond 1	59.2527	156.00	0	4402
Scenario1	Slug	Pond 1	59.5027	156.00	0	4402
Scenario1	Slug	Pond 1	59.7527	156.00	0	4402
Scenario1	Slug	Pond 1	60.0027	156.00	0	4402
Scenario1	Slug	Pond 1	60.2527	156.00	0	4402
Scenario1	Slug	Pond 1	60.5027	156.00	0	4402
Scenario1	Slug	Pond 1	60.7527	156.00	0	4402
Scenario1	Slug	Pond 1	61.0027	156.00	0	4402
Scenario1	Slug	Pond 1	61.2527	156.00	0	4402
Scenario1	Slug	Pond 1	61.5027	156.00	0	4402
Scenario1	Slug	Pond 1	61.7527	156.00	0	4402
Scenario1	Slug	Pond 1	62.0027	156.00	0	4402
Scenario1	Slug	Pond 1	62.2527	156.00	0	4402
Scenario1	Slug	Pond 1	62.5027	156.00	0	4402
Scenario1	Slug	Pond 1	62.7527	156.00	0	4402
Scenario1	Slug	Pond 1	63.0027	156.00	0	4402
Scenario1	Slug	Pond 1	63.2527	156.00	0	4402
Scenario1	Slug	Pond 1	63.5027	156.00	0	4402
Scenario1	Slug	Pond 1	63.7527	156.00	0	4402
Scenario1	Slug	Pond 1	64.0027	156.00	0	4402

Scenario	Sim	Node Name	Relative Time [hrs]	Stage [ft]	Total Inflow Volume [ft3]	Total Outflow Volume [ft3]
Scenario1	Slug	Pond 1	64.2527	156.00	0	4402
Scenario1	Slug	Pond 1	64.5027	156.00	0	4402
Scenario1	Slug	Pond 1	64.7527	156.00	0	4402
Scenario1	Slug	Pond 1	65.0027	156.00	0	4402
Scenario1	Slug	Pond 1	65.2527	156.00	0	4402
Scenario1	Slug	Pond 1	65.5027	156.00	0	4402
Scenario1	Slug	Pond 1	65.7527	156.00	0	4402
Scenario1	Slug	Pond 1	66.0027	156.00	0	4402
Scenario1	Slug	Pond 1	66.2527	156.00	0	4402
Scenario1	Slug	Pond 1	66.5027	156.00	0	4402
Scenario1	Slug	Pond 1	66.7527	156.00	0	4402
Scenario1	Slug	Pond 1	67.0027	156.00	0	4402
Scenario1	Slug	Pond 1	67.2527	156.00	0	4402
Scenario1	Slug	Pond 1	67.5027	156.00	0	4402
Scenario1	Slug	Pond 1	67.7527	156.00	0	4402
Scenario1	Slug	Pond 1	68.0027	156.00	0	4402
Scenario1	Slug	Pond 1	68.2527	156.00	0	4402
Scenario1	Slug	Pond 1	68.5027	156.00	0	4402
Scenario1	Slug	Pond 1	68.7527	156.00	0	4402
Scenario1	Slug	Pond 1	69.0027	156.00	0	4402
Scenario1	Slug	Pond 1	69.2527	156.00	0	4402
Scenario1	Slug	Pond 1	69.5027	156.00	0	4402
Scenario1	Slug	Pond 1	69.7527	156.00	0	4402
Scenario1	Slug	Pond 1	70.0027	156.00	0	4402
Scenario1	Slug	Pond 1	70.2527	156.00	0	4402
Scenario1	Slug	Pond 1	70.5027	156.00	0	4402
Scenario1	Slug	Pond 1	70.7527	156.00	0	4402
Scenario1	Slug	Pond 1	71.0027	156.00	0	4402
Scenario1	Slug	Pond 1	71.2527	156.00	0	4402
Scenario1	Slug	Pond 1	71.5027	156.00	0	4402
Scenario1	Slug	Pond 1	71.7527	156.00	0	4402
Scenario1	Slug	Pond 1	72.0027	156.00	0	4402

Hydraflow Plan View



Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr line No.	Line length (ft)	Defl angle (deg)	Junc type	Known Q (cfs)	Drng area (ac)	Runoff coeff (C)	Inlet time (min)	Invert El Dn (ft)	Line slope (%)	Invert El Up (ft)	Line size (in)	Line type	N value (n)	J-loss coeff (K)	Inlet/ Rim El (ft)	
1	End	58.0	126.0	Genr	0.00	0.30	0.83	10.0	156.00	0.26	156.15	18	Cir	0.013	1.10	161.35	Inserted Line
2	1	179.0	-36.4	Genr	0.00	0.30	0.83	10.0	156.25	0.20	156.60	18	Cir	0.013	1.25	161.20	Inserted Line
3	2	116.0	-55.4	Genr	0.00	0.30	0.83	10.0	156.70	0.17	156.90	18	Cir	0.013	1.00	161.00	Inserted Line
Project File: Hydraflow A20190.stm												Number of lines: 3				Date: 03-19-2025	

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.
1	Inserted Line	5.01	18 c	58.0	156.00	156.15	0.259	157.51	157.64	0.14	End 1 2
2	Inserted Line	3.53	18 c	179.0	156.25	156.60	0.196	157.77	157.96	0.09	
3	Inserted Line	1.89	18 c	116.0	156.70	156.90	0.172	158.04	158.08	0.03	
Project File: Hydraflow A20190.stm						Number of lines: 3			Run Date: 03-19-2025		
NOTES: c = circular; e = elliptical; b = box; Return period = 10 Yrs.; * Indicates surcharge condition.											

FL-DOT Report

Line No	To Line	Type of struc	n - value	Len	Drainage Area			Time of conc	Time of flow in sect	Inten (I)	Total CA	Add Q	Inlet elev	Elev of HGL			Rise	HGL	Actual		Date: 03-19-2025	
					Total flow	Elev of Crown						Span		Pipe	Full Flow	Frequency: 10 yrs						
																Proj: Hydraflow A20190.str						
						Q	Up					Down		Fall	Size	Slope	Vel	Cap	Line description			
(cfs)	(ft)	(ft)	(ft)	(in)	(%)	(ft/s)	(cfs)															
1	End	Genr	0.013	58.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	13.07	0.34	6.7	0.75	0.00 5.01	161.35	157.64 157.65 156.15	157.51 157.50 156.00	0.13 0.15	18 18 Cir	0.22 0.26	2.84 3.02	5.01 5.34	Inserted Line	
2	1	Genr	0.013	179.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	11.61	1.46	7.1	0.50	0.00 3.53	161.20	157.96 158.10 156.60	157.77 157.75 156.25	0.18 0.35	18 18 Cir	0.10 0.20	2.05 2.63	3.53 4.64	Inserted Line	
3	2	Genr	0.013	116.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	10.00	1.61	7.6	0.25	0.00 1.89	161.00	158.08 158.40 156.90	158.04 158.20 156.70	0.03 0.20	18 18 Cir	0.03 0.17	1.20 2.47	1.89 4.36	Inserted Line	
NOTES: Intensity = 53.96 / (Inlet time + 6.20) ^ 0.70 (in/hr)																						

National Flood Hazard Layer FIRMette



82°42'41"W 30°11'17"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

82°42'4"W 30°10'46"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/23/2024 at 11:58 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Soil Map—Columbia County, Florida



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Columbia County, Florida

Survey Area Data: Version 20, Aug 22, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 7, 2022—Feb 14, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8	Blanton fine sand, 0 to 5 percent slopes	1.2	100.0%
Totals for Area of Interest		1.2	100.0%