Appendix B

Basin A Drainage Calculations

Pre-Development

- Basin Schematic
- CN Calculation
- Tc Calculation
- ICPR

Post-Development

- Basin Schematic
- CN Calculation
- Tc Calculation
- Water Quality Calculation
- Pond A Stage/Storage Relationship
- Pond A Drawdown (Bleeder) Size Calculation
- Pond A Residence Time Calculation
- Pond A Mean Depth Calculation
- Exfiltration System Calculations
- Pond A Tailwater Estimate Calculation
- Pond A Skimmer Blade Calculation
- Basin A Pre/Post Pollutant Loading Analysis

JACOBS

Made by: HDT | Ch'd by:
Date: May 3 2011 | Time: 6:19 PM
Project Number: CB200230

PROJECT: SR 15/600
BASIN NAME: Basin 'A'
NODE NAME: Pond 'A'

PRE - DEVELOPED CONDITION

AREA	BASIN DESCRIPTION	BASIN FLOWS TO...
2.55 ac.	Existing Roadway (Shepard Road)	Soldier's Creek (ExTW-out)
16.22 ac.	Offsite Area to the SOUTH	Soldier's Creek (ExTW-out)
2.77 ac.	Offsite Area to the POND 'A'	Soldier's Creek (ExTW-out)
34.20 ac.	Existing Roadway (SR 15/600) Basin 'A'	Soldier's Creek (ExTW-out)
14.56 ac.	Existing Roadway (SR 15/600) Basin 'B'	Un-named creek (ExTW-out)
2.80 ac.	OffSite Area Basin 'B'	Un-named creek (ExTW-out)
73.11 ac.	TOTAL BASIN AREAS	

(Pre-Dev.): Existing Roadway (Shepard Road)

BASIN NAME: ExBasin Shepard
NODE NAME: Soldier's Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	1.50 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	58.82%
AREApervious	1.05 ac.	Open Space (Grass cover > 75%)		B/D, D	41.18%
AREApervious	0.00 ac.	Woods-grass combination (Good cover)		B/D, D	0.00%
TOTAL AREA =	2.55 ac.				100.00%
Weighted CN =	91.00		Tc = 34.70	minutes.	
RUNOFF VOLUME =	1.60 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Pre-Dev.): Offsite Area to the SOUTH

BASIN NAME: ExBsn OffSouth
NODE NAME: Soldier's Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	3.65 ac.	Impervious areas (Streets & roads)		- - - -	22.50%
AREApervious	12.57 ac.	Open Space (Grass cover > 75%)		B/D, D	77.50%
AREApervious	0.00 ac.	Woods-grass combination (Good cover)		B/D, D	0.00%
TOTAL AREA =	16.22 ac.				100.00%
Weighted CN =	84.00		Tc = 73.40	minutes.	
RUNOFF VOLUME =	9.02 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Pre-Dev.): Offsite Area to the POND 'A'

BASIN NAME: ExBasin PondA
NODE NAME: Soldier's Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	0.00 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	0.00%
AREApervious	0.67 ac.	Open Space (Grass cover > 75%)		B/D, D	24.19%
AREApervious	2.10 ac.	Woods-grass combination (Good cover)		B/D, D	75.81%
TOTAL AREA =	2.77 ac.				100.00%
Weighted CN =	79.00		Tc = 10.60	minutes.	
RUNOFF VOLUME =	1.40 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Pre-Dev.): Existing Roadway (SR 15/600) Basin 'A'

BASIN NAME: ExBasin A
NODE NAME: Soldier's Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	14.76 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	43.15%
AREApervious	19.44 ac.	Open Space (Grass cover > 75%)		B/D, D	56.85%
AREApervious	0.00 ac.	Woods-grass combination (Good cover)		B/D, D	0.00%
TOTAL AREA =	34.20 ac.				100.00%
Weighted CN =	88.00		Tc = 38.40	minutes.	
RUNOFF VOLUME =	20.40 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Pre-Dev.): Existing Roadway (SR 15/600) Basin 'B'

BASIN NAME: ExBasin 'B'
NODE NAME: Unnamed Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	6.59 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	45.25%
AREApervious	7.97 ac.	Open Space (Grass cover > 75%)		B/D, D	54.75%
TOTAL AREA =	14.56 ac.	PREVIOUSLY PERMITTED INFORMATION			100.00%
Weighted CN =	88.00		Tc = 32.40	minutes.	
RUNOFF VOLUME =	8.68 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

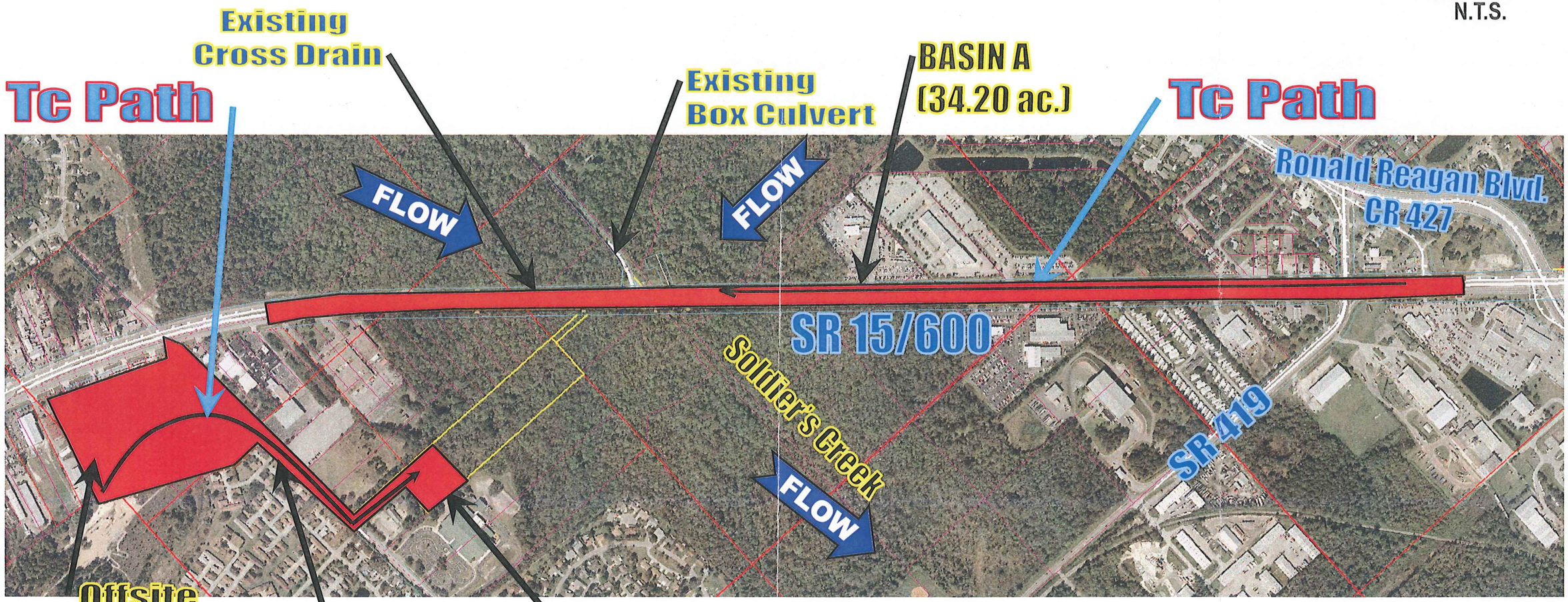
(Pre-Dev.): OffSite Area Basin 'B'

BASIN NAME: ExBsn Offsite 'B'
NODE NAME: Unnamed Ck (ExTW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	0.95 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	33.99%
AREApervious	1.85 ac.	Open Space (Grass cover > 75%)		B/D, D	66.01%
TOTAL AREA =	2.80 ac.				100.00%
Weighted CN =	86.00		Tc = 10.00	minutes.	
RUNOFF VOLUME =	1.61 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

NORTH

N.T.S.



Pre-Development Condition
BASINS 'Shepard Rd.' & 'A'

JACOBS™

SR 15/600 Widening (US 17/92)

From Shepard Rd to Lake Mary Blvd.
Seminole County, Florida

Figure
1

P:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\Report\Pd A Figs(2010-06-24).ppt

Pre-Development

Project	:	SR 15/600	**Design By:** HDT	**Date:**	5/3/11
Location	:	Seminole County, Florida	**Check By:** MBS	**Date:**	
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	5/3/11			

Shepard Basin (Pre-Development)

Total Area =	**21.54 ac**	**Average CN =**	**84.21**
Total Runoff =	**12.02 ac-ft**		

From Station =	10+00
To Station =	26+68

Existing Roadway (Shepard Road)
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	1.50	147
	D	Open space, fair condition	80	1.05	84
	D	Pond Area (woods/grass)	79	0.00	0
			Totals =	2.55	231

CN (weighted) = total product / total area = 231 / 2.55 = CN = **91**

Existing Roadway (Shepard Road)
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	91	0.99

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Qin) = 7.52 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **1.60 ac.-ft.**

Offsite Area to the SOUTH
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	3.65	358
	D	Open space, fair condition	80	12.57	1006
	D	Pond Area (woods/grass)	79	0.00	0
			Totals =	16.22	1363

CN (weighted) = total product / total area = 1363.3 / 16.22 = CN = **84**

Offsite Area to the SOUTH
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	84	1.90

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Q) = 6.67 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **9.02 ac.-ft.**

Offsite Area to the POND 'A'
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	0.00	0
	D	Open space, fair condition	80	0.67	54
	D	Pond Area (woods/grass)	79	2.10	166
			Totals =	2.77	220

CN (weighted) = total product / total area = 219.5 / 2.77 = CN = **79**

Offsite Area to the POND 'A'
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	79	2.66

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Q) = 6.07 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **1.40 ac.-ft.**

Pre-Development

Project	:	SR 15/600	**Design By:**	HDT	**Date:** 5/3/11
Location	:	Seminole County, Florida	**Check By:**	MBS	**Date:**
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	5/3/11			

Basin 'A' (Pre-Development)

Total Area =	**34.20 ac**	**Average CN =**	**87.77**
Total Runoff =	**20.40 ac-ft**		

From Station =	658+00
To Station =	735+70

Existing Roadway (SR 15/600)
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	14.76	1446
	D	Open space, fair condition	80	19.44	1556
			Totals =	34.20	3002

CN (weighted) = total product / total area = 3002 / 34.204 = CN = **88**

Existing Roadway (SR 15/600)
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	88	1.36

$$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$$

Runoff Depth (Qin) = 7.16 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **20.40 ac.-ft.**

Time of Concentration

Project:	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location:	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number:	24019613201				
Consultant:	Jacobs				
Date:	5/3/11				

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **PAVEMENT**

SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = $V_{unpaved}$, V_{paved}, V_{pipe} and/or V_{ditch}

$V_{unpaved}$ = 16.1345 x (S)^0.5; where S = Slope in ft/ft.

V_{paved} = 20.3282 x (S)^0.5; where S = Slope in ft/ft.

V_{pipe} = 2.5 fps (Assumed Velocity)

V_{ditch} = 1.0 fps (Assumed Velocity)

"n"	LAND USE
0.015	PAVEMENT
0.05	BARE SOIL
0.20	POOR GRASS
0.40	AVE. GRASS or LAWNS
0.60	DENSE GRASS or WOODLANDS
0.80	THICK FOREST

Basin : **Shepard Road** (PRE)

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	80 ft.	0.015	2.00%	7.40 in./hr.	7.40 in./hr.	----	1.51
PAVED	348 ft.		0.50%			1.44 fps	4.04
PIPE FLOW	339 ft.					2.50 fps	2.26
DITCH FLOW	619 ft.					0.50 fps	20.63
DITCH FLOW	374 ft.					1.00 fps	6.23
						TOTAL TIME of CONCENTRATION =	34.67
						USE TOTAL TIME of CONCENTRATION =	34.70

Basin : **Area SOUTH** (PRE)

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	300 ft.	0.400	1.00%	4.30 in./hr.	4.30 in./hr.	----	36.53
UNPAVED	305 ft.		1.00%			1.61 fps	3.15
UNPAVED	468 ft.		0.50%			1.14 fps	6.84
DITCH FLOW	745 ft.					0.50 fps	24.83
PIPE FLOW	44 ft.					2.50 fps	0.29
UNPAVED	383 ft.		5.00%			3.61 fps	1.77
						TOTAL TIME of CONCENTRATION =	73.41
						USE TOTAL TIME of CONCENTRATION =	73.40

Basin : **POND 'A"** (PRE)

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	100 ft.	0.400	4.00%	7.40 in./hr.	7.40 in./hr.	----	10.03
UNPAVED	105 ft.		4.00%			3.23 fps	0.54
						TOTAL TIME of CONCENTRATION =	10.57
						USE TOTAL TIME of CONCENTRATION =	10.60

Time of Concentration

Project	:	SR 15/600	**Design By:** MOL	**Date:**	5/3/11
Location	:	Seminole County, Florida	**Check By:** MS	**Date:**	
Project Number	:	24019613201			
Consultant	:	Carter & Burgess			
Date	:	5/3/11			

Circle One: Present | Basin 'A'
Circle One: Tc | t through Subarea

Sheet Flow *(Applicable to Tc only)*

		Segment ID				
		Pavement				
1. Surface description (Table 3-1)		Asphalt				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	34.0				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		---				
5b. Land elevation for lower end of flow path		---				
6. Compute Tt	hr	0.007	+		=	0.01

Sheet Flow *(Applicable to Tc only)*

		Segment ID				
1. Surface description (Table 3-1)		Grass				
2. Mannings roughness coefficient, n (Table 3-1)		0.24				
3. Flow length, L (Total L ≤ 300 ft.)	ft	0.0				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		---				
5b. Land elevation for lower end of flow path		---				
6. Compute Tt	hr	0.000	+		=	0.00

Shallow Concentrated Flow

		Segment ID				
		Roadside Swale				
7. Surface description (Paved or Unpaved)		Unpaved				
8. Flow length, L	ft	634.0				
9. Calculated watercourse slope, s	ft/ft	0.0054				
9a. Land elevation for upper end of flow path		42.7				
9b. Land elevation for lower end of flow path		39.3				
10. Average velocity, V (Figure 3-1)	ft/s	1.18				
11. Compute Tt (Tt = L/(3600*V))	hr	0.149	+		=	0.15

Channel Flow

		Segment ID				
		Roadside Swale				
12. Cross sectional flow area, a		16.50				
13. Wetted perimeter, Pw	ft	17.37				
14. Compute Hydraulic radius, r (r = a/Pw)	ft	0.950				
15. Channel slope, s	ft/ft	0.0050				
16. Mannings roughness coefficient, n		0.042				
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	ft/s	2.43				
18. Flow length, L	ft	4225.5				
19. Compute Tt (Tt = L/(3600*V))	hr	0.483	+		=	0.48
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)						0.64

Reference: *Urban Hydrology for Small Watersheds*
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = **38.35**

Use Time of Concentration = **38.4**

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Date: May 3 2011 | Time: 6:19 PM
Project Number: CB200230

PROJECT: SR 15/600
BASIN NAME: Basin 'A'
NODE NAME: Pond 'A'

POST - DEVELOPED CONDITION

PROPOSED AREA	BASIN BREAKDOWN	BASIN FLOWS TO...
2.55 ac.	Shepard Basin	Pond 'A'
16.22 ac.	Basin Offsite Area South	Pond 'A'
2.77 ac.	Pond 'A'	Pond 'A'
21.48 ac.	Proposed SR 15 Basin 'A'	Soldier's Creek (TW-out)
1.30 ac.	Basin 'A1' (French Drain Trenches A1-1 & A1-2)	Upper 'A1' (French Drain Trenches A1-1 & A1-2)
11.41 ac.	Offsite Area Basin 'A'	Soldier's Creek (TW-out)
11.21 ac.	Proposed SR 15 Basin 'B'	unnamed creek (TW-out)
2.80 ac.	Offsite Area Basin 'B'	unnamed creek (TW-out)
3.35 ac.	Basin 'B1' (French Drains B1, B2, B3, & B4)	unnamed creek (TW-out)
73.10 ac.	Basin 'A'	

(Post-Dev.): Shepard Basin

BASIN NAME: Shepard Basin
NODE NAME: Pond 'A'

		LAND USE	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	1.50 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	58.82%
AREApervious	1.05 ac.	Open Space (Grass cover > 75%)		B/D, D	41.18%
TOTAL AREA =	2.55 ac.				100.00%
Weighted CN =	91.00		Tc = 31.50	minutes.	
RUNOFF VOLUME =	14.97 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Basin Offsite Area South

BASIN NAME: Basin OffSouth
NODE NAME: Pond 'A'

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	3.65 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	22.50%
AREApervious	12.57 ac.	Open Space (Grass cover > 75%)		B/D, D	77.50%
TOTAL AREA =	16.22 ac.				100.00%
Weighted CN =	84.00		Tc = 73.00	minutes.	
RUNOFF VOLUME =	9.02 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Pond 'A'

BASIN NAME: Basin Pond 'A'
NODE NAME: Pond 'A'

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	0.00 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	0.00%
AREApervious	1.91 ac.	Open Space (Grass cover > 75%)		B/D, D	68.77%
AREAwater surf.	0.87 ac.	Pond Water Surface		- - - -	31.23%
TOTAL AREA =	2.77 ac.				100.00%
Weighted CN =	86.00		Tc = 10.00	minutes.	
RUNOFF VOLUME =	1.60 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Proposed SR 15 Basin 'A'

BASIN NAME: Basin A
NODE NAME: Soldier's Ck (TW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	21.45 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	99.84%
AREApervious	0.04 ac.	Open Space (Grass cover > 75%)		B/D, D	0.16%
TOTAL AREA =	21.48 ac.				100.00%
Weighted CN =	98.00		Tc = 28.59	minutes.	(Network 'A2')
RUNOFF VOLUME =	14.97 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Basin 'A1' (French Drain Trenches A1-1 & A1-2)

BASIN NAME: Basin 'A1'
NODE NAME: Upper 'A1'

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREApervious	1.19 ac.	Open Space (Grass cover > 75%)		C	91.54%
AREApervious	0.11 ac.	Open Space (Grass cover > 75%)		A	8.46%
TOTAL AREA =	1.30 ac.				100.00%
Weighted CN =	96.48		Tc = 10.00	minutes.	(S-127)
RUNOFF VOLUME =	0.89 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

JACOBS

Made by: HDT | Ch'd by: _____
Date: May 3 2011 | Time: 6:19 PM
Project Number: CB200230

PROJECT: SR 15/600
BASIN NAME: Basin 'A'
NODE NAME: Pond 'A'

POST - DEVELOPED CONDITION

(Post-Dev.): Offsite Area Basin 'A'

BASIN NAME: Offsite Basin 'A'
NODE NAME: Soldier's Creek (TW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREAimpervious	3.79 ac.	Impervious areas (Streets & roads)	100.00%	- - - -	33.19%
AREApervious	7.63 ac.	Open Space (Grass cover > 75%)		B/D, D	66.81%
TOTAL AREA =	11.41 ac.	PREVIOUSLY PERMITTED INFORMATION			100.00%
Weighted CN =	86.00		Tc = 38.34	minutes.	(OFA-left Network)
RUNOFF VOLUME =	15.39 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Proposed SR 15 Basin 'B'

BASIN NAME: Basin 'B'
NODE NAME: unnamed creek (TW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREApervious	9.80 ac.	Open Space (Grass cover > 75%)		C	87.45%
AREApervious	1.41 ac.	Open Space (Grass cover 50% to 75%)		B/D, D	12.55%
TOTAL AREA =	11.21 ac.				100.00%
Weighted CN =	96.00		Tc = 36.46	minutes.	(Network 'B-S')
RUNOFF VOLUME =	7.58 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Offsite Area Basin 'B'

BASIN NAME: Offsite Basin 'B'
NODE NAME: Upper B1, B2, B3, & B4

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREApervious	0.95 ac.	Open Space (Grass cover > 75%)		C	33.99%
AREApervious	1.85 ac.	Open Space (Grass cover 50% to 75%)		B/D, D	66.01%
TOTAL AREA =	2.80 ac.				100.00%
Weighted CN =	86.00		Tc = 11.86	minutes.	(OFB-right Network)
RUNOFF VOLUME =	1.61 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

(Post-Dev.): Basin 'B1' (French Drains B1, B2, B3, & B4)

BASIN NAME: Basin 'B1'
NODE NAME: unnamed creek (TW-out)

		LAND USE DESCRIPTION	% Impervious	SOILS TYPE	Percent of Area
AREApervious	2.72 ac.	Open Space (Grass cover > 75%)		C	81.20%
AREApervious	0.63 ac.	Open Space (Grass cover 50% to 75%)		B/D, D	18.80%
TOTAL AREA =	3.35 ac.				100.00%
Weighted CN =	94.60		Tc = 11.86	minutes.	(per Inlets)
RUNOFF VOLUME =	2.22 ac.-ft.	25YR-24HR	DESIGN STORM EVENT.		

Post-Development Condition
BASINS 'Shepard Rd.' & 'A'

JACOBS™

SR 15/600 Widening (US 17/92)

From Shepard Rd to Lake Mary Blvd.
Seminole County, Florida

Figure
2

P:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\Report\Pd A Figs(2010-06-24).ppt

Post-Development

Project	:	SR 15/600	**Design By:**	MOL	/11
Location	:	Seminole County, Florida	**Check By:**	MS	
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	5/3/11			

Shepard Basin (Post-Development)

Total Area =	**21.54 ac**	**Average CN =**	**85.11**
Total Runoff =	**12.21 ac-ft**		

From Station =	10+00
To Station =	26+68

Proposed Roadway
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	1.50	147
	D	Open space, fair condition	80	1.05	84
	D	Pond Area (woods/grass)	79	0.00	0
			Totals =	2.55	231

CN (weighted) = total product / total area = 231 / 2.55 = CN = **91**

Proposed Roadway
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	91	0.99

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Qin) = 7.52 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **1.60 ac.-ft.**

Offsite Area to the SOUTH
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	3.65	358
	D	Open space, fair condition	80	12.57	1006
	D	Pond Area (woods/grass)	79	0.00	0
			Totals =	16.22	1363

CN (weighted) = total product / total area = 1363.3 / 16.22 = CN = **84**

Offsite Area to the SOUTH
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	84	1.90

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Q) = 6.67 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **9.02 ac.-ft.**

Offsite Area to the POND 'A'
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	0.00	0
	D	Open space, fair condition	80	1.91	152
	D	Pond Area (woods/grass)	79	0.00	0
	- - -	Open Water	100	0.87	87
			Totals =	2.77	239

CN (weighted) = total product / total area = 238.9 / 2.77 = CN = **86**

Offsite Area to the POND 'A'
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	86	1.63

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Q) = 6.91 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **1.60 ac.-ft.**

Post-Development

Project	:	SR 15/600	**Design By:** HDT	**Date:**	5/3/11
Location	:	Seminole County, Florida	**Check By:** MBS	**Date:**	
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	5/3/11			

Basin 'A' (Post-Development) (Node = Basin A)

Total Area =	**32.90 ac**	**Average CN =**	**93.81**
Total Runoff =	**14.97 ac-ft**		

From Station =	658+00
To Station =	732+49

Proposed Roadway
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Roadway, Bike Lane, curbs, sidewalk	98	21.45	2102
	D	Open space, fair condition	80	0.04	3
		Totals =		21.48	2105

CN (weighted) = total product / total area = 2104.802 / 21.484 = CN = **98**

Proposed Roadway
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	98	0.20

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Qin) = 8.36 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **14.97 ac.-ft.**

Offsite Areas to Basin 'A'
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	3.79	371
	D	Open space, fair condition	80	7.63	610
		Totals =		11.41	981

CN (weighted) = total product / total area = 981.224 / 11.413 = CN = **86**

Offsite Areas to Basin 'A'
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
18	86	1.63

$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$

Runoff Depth (Q) = 16.18 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **15.39 ac.-ft.**

Time of Concentration

Project:	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location:	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number:	24019613201				
Consultant:	Jacobs				
Date:	5/3/11				

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **PAVEMENT**

SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = $V_{unpaved}$, V_{paved}, V_{pipe} and/or V_{ditch}

$V_{unpaved}$ = 16.1345 x (S)^0.5; where S = Slope in ft/ft.

V_{paved} = 20.3282 x (S)^0.5; where S = Slope in ft/ft.

V_{pipe} = 2.5 fps (Assumed Velocity)

V_{ditch} = 1.0 fps (Assumed Velocity)

"n"	LAND USE
0.015	PAVEMENT
0.05	BARE SOIL
0.20	POOR GRASS
0.40	AVE. GRASS or LAWNS
0.60	DENSE GRASS or WOODLANDS
0.80	THICK FOREST

Basin : **Shepard Road**

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	80 ft.	0.015	2.00%	7.40 in./hr.	7.40 in./hr.	----	1.51
PAVED	348 ft.		0.50%			1.44 fps	4.04
PIPE FLOW	339 ft.					2.50 fps	2.26
DITCH FLOW	619 ft.					0.50 fps	20.63
PIPE FLOW	455 ft.					2.50 fps	3.03
						TOTAL TIME of CONCENTRATION =	31.47
						USE TOTAL TIME of CONCENTRATION =	31.50

Basin : **Area SOUTH**

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	300 ft.	0.400	1.00%	4.30 in./hr.	4.30 in./hr.	----	36.53
UNPAVED	305 ft.		1.00%			1.61 fps	3.15
UNPAVED	468 ft.		0.50%			1.14 fps	6.84
DITCH FLOW	745 ft.					0.50 fps	24.83
PIPE FLOW	44 ft.					2.50 fps	0.29
PAVED	383 ft.		5.00%			4.55 fps	1.40
						TOTAL TIME of CONCENTRATION =	73.04
						USE TOTAL TIME of CONCENTRATION =	73.00

Basin : **POND 'A"**

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	16 ft.	0.400	0.13%	7.40 in./hr.	7.40 in./hr.	----	9.45
UNPAVED	20 ft.		0.25%			0.81 fps	0.41
						TOTAL TIME of CONCENTRATION =	9.86
						USE TOTAL TIME of CONCENTRATION =	10.00

Time of Concentration

Project:	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location:	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number:	24019613201				
Consultant:	Jacobs				
Date:	5/3/11				

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **PAVEMENT**

"n"	LAND USE
0.015	PAVEMENT
0.05	BARE SOIL
0.20	POOR GRASS
0.40	AVE. GRASS or LAWNS
0.60	DENSE GRASS or WOODLANDS
0.80	THICK FOREST

SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = $V_{unpaved}$, V_{paved}, V_{pipe} and/or V_{ditch}

$V_{unpaved}$ = 16.1345 x (S)^0.5; where S = Slope in ft/ft.

V_{paved} = 20.3282 x (S)^0.5; where S = Slope in ft/ft.

V_{pipe} = 2.5 fps (Assumed Velocity)

V_{ditch} = 1.0 fps (Assumed Velocity)

Structure No.: **S-127**

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	40 ft.	0.015	2.00%	7.40 in./hr.	7.40 in./hr.	----	0.99
PAVED	100 ft.		0.30%			1.11 fps	1.50
PIPE FLOW	110 ft.					2.50 fps	0.73
					TOTAL TIME of CONCENTRATION =		3.22
					USE TOTAL TIME of CONCENTRATION =		10.00

Water Quality Treatment

Project :	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location :	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number :	24019613201				
Consultant :	Jacobs				
Date :	5/3/11				

Treatment for proposed development — **Shepard Basin (Post-Development)**

WET-DETENTION TREATMENT MECHANISM

Drainage Structure/ Basin ID	Drainage Area (Ac)	Impervious Area (Ac)	Pervious Area (Ac)	Percent Impervious (%)	1-Inch of Runoff (Ac-Ft)	2.5 Inches On Impervious Area (Ac-Ft)	Additional Treatment OFW (Ac-Ft)
Shepard Basin (Post-Development)	2.55	1.50	1.05	58.8%	0.21	0.31	0.47
(Pond A)	2.77	0.00	1.91	0.0%	0.23	0.00	0.35
Total	5.32	1.50	2.96	58.8%	0.44	0.31	0.82

Required Water Quality Volume = **0.82** ***Ac-Ft***

Treatment for proposed development — **SR 15/600 Basin 'A' (Post-Development)**

DRY-DETENTION TREATMENT MECHANISM

Drainage Structure/ Basin ID	Drainage Area (Ac)	Impervious Area (Ac)	Pervious Area (Ac)	Percent Impervious (%)	1/2-Inch of Runoff (Ac-Ft)	1.25 Inches On Impervious Area (Ac-Ft)	Additional Treatment OFW (Ac-Ft)
Proposed Roadway Basin 'A'	21.48	21.45	0.04	99.8%	0.90	2.23	3.35
Total	21.48	21.45	0.04	99.8%	0.90	2.23	3.35

Required Water Quality Volume = **3.35** ***Ac-Ft***

Shepard Road Water Quality Volume Required =	**0.82**	***Ac-Ft***
SR 15/600 Basin 'A' Water Quality Volume Required =	**3.35**	***Ac-Ft***
TOTAL REQUIRED WATER QUALITY VOLUME =	**4.17**	***Ac-Ft***

Stormwater Pond Stage/Area/Storage Relationships and Treatment Elevation Determination

Project :	SR 15/600	**Design By:**	HDT	**Date:**	5/4/11
Location :	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number :	24019613201				
Consultant :	Jacobs				
Date :	5/4/11				

Shepard Basin (Post-Development)

Stage (feet)	Depth (feet)	Surface Area (sf)	Surface Area (Ac)	Average Area (Ac)	Incremental Volume (Ac-Ft)	Total Volume (Ac-Ft)	Total Volume (cf)
30.00	0.00	37,679	0.87	0.00	0.00	0.00	0
31.00	1.00	40,729	0.94	0.90	0.90	0.90	39,204
32.00	2.00	43,908	1.01	0.97	0.97	1.87	81,523
33.00	3.00	47,175	1.08	1.05	1.05	2.92	127,065
34.00	4.00	50,530	1.16	1.12	1.12	4.04	175,917
35.00	5.00	54,014	1.24	1.20	1.20	5.24	228,189

Required Water Quality Volume =	*4.17*	*Ac-Ft*
Depth to Treatment Volume =	*4.11*	*ft*
Control Elevation =	*30.00*	*ft*
Weir Elevation =	***32.00***	***ft***
Water Quality Volume Provided =	*1.87*	***Ac-Ft***

REMAINDER IS TREATED IN THE SEMINOLE COUNTY REGIONAL POND PROPOSED.

Drawdown Time Calculation

Project	: SR 15/600	**Design By:**	HDT	**Date:**	5/5/11
Location	: Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number	: 24019613201				
Consultant	: Jacobs				
Date	: 5/5/11				

Shepard Basin (Post-Development)

BLEED DOWN CALCULATIONS

Pond A

Stage (feet)	Depth (feet)	Surface Area (sf)	Surface Area (Ac)	Average Area (Ac)	Incremental Volume (Ac-Ft)	Total Volume (Ac-Ft)
30.00	0.00	37,679	0.87	0.00	0.00	0.00
31.00	1.00	40,729	0.94	0.90	0.90	0.90
32.00	2.00	43,908	1.01	0.97	0.97	1.87
33.00	3.00	47,175	1.08	1.05	1.05	2.92
34.00	4.00	50,530	1.16	1.12	1.12	4.04
35.00	5.00	54,014	1.24	1.20	1.20	5.24

Provided Water Quality Volume =	1.87	ac-ft
Water Quality Volume Provided =	1.87	
Required Water Quality Stage =	32.00	ft
Drawdown Volume (1/2 Treatment Volume) =	**0.94**	**ac-ft**
Remaining Water Quality Volume =	0.94	ac-ft
Elevation at 1/2 Provided Volume =	31.04	ft
Orifice Invert (Control Elevation) =	30.00	ft
Orifice Invert (Centroid) =	30.16	ft

DISCHARGE THROUGH AN ORIFICE IS GIVEN BY:

$Q = CA(2gH)^{1/2}$ $\quad Q = TV/(2 * t * CF)$ $\quad H = (h_1 + h_2)/2$

Solving for t =

$$t = \frac{(TV/2) * 43560}{CF * C * A_o * (g*(h_1+h_2))^{0.5}}$$

No of Orifices = **1**

Orifice Dia. = **3.875** inches

Orifice Area = 0.0819 ft^2

where:

t =	24.64	hrs	1/2 Treatment Vol (TV) =	0.94	ac-ft
A_o =	0.0819	ft^2	h_1 =	1.84	ft
C =	0.6		h_2 =	0.88	ft
CF =	3600	sec/hr	g =	32.2	ft/sec^2

Therefore, half the treatment volume will be drawdown in 25 hours with (1) 4 inches PVC pipe with an orifice of 3- 7/8 inches.

Residence Time Calculation

Project :	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location :	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number :	24019613201				
Consultant :	Jacobs				
Date :	5/3/11				

Shepard Basin (Post-Development)

Stage (feet)	Depth (feet)	Surface Area (sf)	Surface Area (Ac)	Average Area (Ac)	Incremental Volume (Ac-Ft)	Total Volume (Ac-Ft)	Total Volume (cf)
22.00	0.00	17,119	0.39	0.00	0.00	0.00	0
22.00	0.00	17,119	0.39	0.39	0.00	0.00	0
22.00	0.00	17,119	0.39	0.39	0.00	0.00	0
22.00	0.00	17,119	0.39	0.39	0.00	0.00	0
23.00	1.00	19,254	0.44	0.42	0.42	0.42	18,186
24.00	2.00	21,519	0.49	0.47	0.47	0.89	38,572
25.00	3.00	23,914	0.55	0.52	0.52	1.41	61,289
26.00	4.00	26,441	0.61	0.58	0.58	1.99	86,467
27.00	5.00	29,055	0.67	0.64	0.64	2.62	114,214
28.00	6.00	31,842	0.73	0.70	0.70	3.32	144,663
29.00	7.00	34,717	0.80	0.76	0.76	4.09	177,943
30.00	8.00	37,679	0.87	0.83	0.83	4.92	214,141

Required Treatment Volume =	4.17	Ac-Ft
Water Quality Volume Provided =	1.87	Ac-Ft
Orifice Invert =	30.00	ft
Weir elevation =	32.00	ft
Length of the wet season (WS) =	153	days
Wet season rainfall depth (R) from Figure 29-1 in SJRWMD Handbook for SW systems =	31.00	inches
	2.58	ft
Project drainage area =	5.32	Ac
Runoff coefficient for project drainage area =	0.57	
Offsite drainage area =	16.22	Ac
Runoff coefficient for offsite drainage area =	0.41	
Total drainage area to pond (DA) =	21.54	Ac
Runoff coefficient for total drainage area (C) =	0.45	
Average flow rate during wet season (FR=(DA*C*R)/WS) =	0.16	Ac-Ft/day
Total permanent pool volume (PPV) =	4.92	Ac-Ft
Residence Time (RT = PPV/FR) =	**30.21**	**days**

Note: If the non-littoral zone option is being utilized, the residence time must be 21 days, or 50% more than the minimum residence time of 14 days when littoral zones are used.

Mean Depth Calculation Basin A

Project :	SR 15/600	**Design By:**	HDT	**Date:**	5/3/11
Location :	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number :	24019613201				
Consultant :	Jacobs				
Date :	5/3/11				

Shepard Basin (Post-Development)

Stage (feet)	Depth (feet)	Surface Area (sf)	Surface Area (Ac)	Average Area (Ac)	Incremental Volume (Ac-Ft)	Total Volume (Ac-Ft)	Total Volume (cf)
22.00	0.00	17,119	0.39	0.39	0.00	0.00	0
23.00	1.00	19,254	0.44	0.42	0.42	0.42	18,186
24.00	2.00	21,519	0.49	0.47	0.47	0.89	38,572
25.00	3.00	23,914	0.55	0.52	0.52	1.41	61,289
26.00	4.00	26,441	0.61	0.58	0.58	1.99	86,467
27.00	5.00	29,055	0.67	0.64	0.64	2.62	114,214
28.00	6.00	31,842	0.73	0.70	0.70	3.32	144,663
29.00	7.00	34,717	0.80	0.76	0.76	4.09	177,943
30.00	8.00	37,679	0.87	0.83	0.83	4.92	214,141

MEAN DEPTH EQUATION:

$$MD = PPV/A_p$$

MD = Mean Depth
A_p = Area of pond at control elevation (ft)
PPV = Permanent Pool Volume

Permanent Pool Volume =	**4.92**	**Ac-Ft**
Control Elevation =	**30.00**	**ft**
Area of Pond at Control Elevation =	**37679**	**ft^2**
Mean Depth =	**5.68**	**Feet**

Depth meets SJRWMD Requirements

JACOBS

Made by: HDT Checked by:
DATE: May 4 2011 TIME: 6:17 PM
Project Number: 24019613201

PROJECT: SR 15/600 - Seminole County

SKIMMER BLADE DESIGN

BASIN NAME: Shepard Basin (Post-Development)
NODE NAME: Pond 'A'

The skimmer blade will be attached to the perimeter of the outfall with the bottom of the blade located 6" below the control elevation, and the top of the blade located 6" above the design high water elevation or the top of the box for 25YR-24HR storm.

CONTROL ELEVATION =	**30.00 ft.**		
DESIGN HIGH WATER =	**35.40 ft.**	DESIGN WEIR ELEVATION =	**32.00 ft.**
GRATE TOP ELEVATION =	**35.00 ft.**	DESIGN BLEEDER INVERT =	**29.50 ft.**
BOTTOM OF SKIMMER =	31.50 ft.		
TOP OF SKIMMER =	35.90 ft.		
POND BOTTOM ELEVATION =	**20.00 ft.**		

Assuming flow under the blade acts as flow through an orifice:

$Q = CA(2gH)^{0.5}$

Where: Q = Flow rate, cfs
C = Orifice coefficient (0.6)
A = Area between skimmer and control box, sq ft: L * D(horizontal)
g = 32.2 ft/sec^2
H = Allowable head difference, ft
L = Length of skimmer, ft
D = Skimmer opening, inches

Using the following data:

Q = **18.29** cfs
D = **18.00** inches
H = 0.10 ft.

Outfall Box Type Data: **DBI Type 'E'**

1st Wall Thickness	**8.00 in.**	FL Elev. =	**29.10 ft.**
2nd Wall Thickness	**8.00 in.**	Pipe Crown =	**32.43 ft.**
1st Side Length :	**3.00 ft.**		
2nd Side Length :	**4.50 ft.**		
Outfall Pipe Size:	**36.00 in.**	**Three (3) sided Baffle does**	
Number of Pipe(s):	**1**	**NOT conflict with Pipe.**	

The Length Required is:

$L = (Q/(0.6*(D/12)))/(2*g*H)^{0.5}$

L = 8.01 ft.

Checking Actual skimmer blade length:
(use around 3-sides of the box)

$Lactual = (L1+2*Th1/12+2*D/12)+2*(L2+2*Th2/12+D/12)$

Lactual = 22.00 ft.

$Leffective = (L1+2*Th1/12+2*D/12)+2*(L2+2*Th2/12)$

Leff = 19.00 ft.

If we use three sides only with an H = 0.10 feet, we have a D actual:

Q = 18.29 cfs
Leff = 19.00 ft
H = 0.10 ft

$Dactual = \frac{Q/(C*Leff)}{(2*G*H)^{0.5}}$

Dactual = 0.63 ft. or in 7.59 inches.

Checking the actual Head:

Q = 18.29 cfs
D = 18.00 in.
Leff = 19.00 ft.

$Hactual = \frac{(Q/(C*L*D/12))^2}{2*G}$

Hactual = 0.018 ft.

Length	Width	Area
19.00 ft.	1.50 ft.	28.500 SF
22.00 ft.	0.00 ft.	0.000 SF

Three side handles the peak flow between the Control Box and Baffle for the design.

Conclusion:

Use an DBI Type 'E' Inlet with the Skimmer Blade around the THREE(3) side(s) of the box a 18.00 inches separation from the wall with an Actual Length of 22.00 feet. An DBI Type 'E' Inlet will be required for the 36.00 in. outfall pipe(s).

SR 15/600 (TO OLDIERS CREEK)
SUMMARY OF BASIN 'A' TOTAL CRITICAL DURATION STORMS (CFS)
(Peak Discharge Approach)

DURATION		YEAR					
		2 YR	5 YR	10 YR	25 YR	50 YR	100 YR
1 Hour	Pre	**73.49**	**100.50**	**117.21**	**139.90**	**161.25**	**182.24**
	Post	**90.15**	**116.99**	**132.20**	**157.59**	**179.46**	**202.41**
2 Hour	Pre	67.80	100.45	110.93	134.30	153.66	177.61
	Post	**77.54**	**107.49**	**118.19**	**140.67**	**161.35**	**184.03**
4 Hour	Pre	64.68	89.71	105.63	128.09	143.65	159.86
	Post	60.42	83.71	96.29	113.66	125.74	138.62
8 Hour	Pre	65.11	90.94	108.70	133.40	152.00	170.85
	Post	61.23	85.56	99.67	119.00	134.04	149.57
24 Hour	Pre	25.51	36.21	43.68	53.26	58.20	67.35
	Post	21.19	30.72	37.55	46.63	51.36	60.14
3 Day	Pre	19.54	26.41	30.88	37.36	42.42	49.04
	Post	17.69	24.04	28.15	34.14	38.82	44.98
7 Day	Pre	15.23	19.87	23.95	28.44	31.51	36.09
	Post	14.72	19.38	23.40	27.84	30.87	35.42
10 Day	Pre	19.95	26.19	31.09	36.50	41.38	46.50
	Post	18.61	25.25	30.30	35.76	40.64	45.75

SJRWMD'S 25 YEAR - 24 HOUR
BASIN A

Pre Q (cfs)	Post Q (cfs)	Peak Stage (ft)
195.49	**180.17**	**35.40**

SJRWMD'S MEAN ANNUAL
BASIN A

Pre Q (cfs)	Post Q (cfs)	Peak Stage (ft)
88.02	**86.32**	**33.24**

SR 15/600 (TO SOLDIERS CREEK)
SUMMARY OF BASIN 'A' TOTAL CRITICAL DURATION STORMS (CFS)
SR 15/600 (TO SOLDIERS CREEK)
SUMMARY OF POND 'A' TOTAL CRITICAL DURATION STORMS
(Peak Discharge Approach)

DURATION		YEAR					
		2 YR	5 YR	10 YR	25 YR	50 YR	100 YR
1 Hour	Stage	31.33	31.84	32.15	32.55	32.90	33.23
	Discharge	0.46	0.53	0.70	1.49	2.50	3.63
2 Hour	Stage	32.21	33.02	33.24	33.70	34.06	34.49
	Discharge	0.79	2.87	3.63	5.45	7.07	9.15
4 Hour	Stage	32.79	33.55	34.00	34.58	34.97	35.32
	Discharge	2.15	4.85	6.77	9.63	11.70	15.46
8 Hour	Stage	33.10	**33.83**	**34.28**	**34.88**	**35.29**	**35.48**
	Discharge	3.16	**6.00**	**8.12**	**11.22**	**14.62**	**21.33**
24 Hour	Stage	33.17	33.75	34.14	34.59	34.81	35.20
	Discharge	3.39	5.68	7.43	9.69	10.85	12.99
3 Day	Stage	33.23	33.64	33.88	34.20	34.44	34.74
	Discharge	3.60	5.20	6.23	7.74	8.92	10.48
7 Day	Stage	33.25	33.61	33.88	34.16	34.34	34.60
	Discharge	3.68	5.09	6.24	7.52	8.40	9.70
10 Day	Stage	**33.39**	33.92	34.26	34.59	34.86	35.12
	Discharge	**4.21**	6.41	7.99	9.64	11.09	12.58

SJRWMD'S 25 YEAR - 24 HOUR
BASIN A

Post Q (cfs)	Peak Stage (ft)
18.29	**35.40**

SJRWMD'S MEAN ANNUAL
BASIN A

Post Q (cfs)	Peak Stage (ft)
3.65	**33.24**

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SR 15/600 - Seminole County, Florida
AREA TAKE-OFF - Pre & Post

BASIN 'A1' - EXISTING BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Ex. AREA imperv.	Ex. AREA perv.	COMMENTS
Basin 'A1'	673+00.00	680+00.00	1.30 ac.	0.65 ac.	0.65 ac.	Existing Roadway
		TOTALS =	1.30 ac.	0.65 ac.	0.65 ac.	

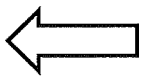
BASIN 'A1' - PROPOSED BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
Basin 'A1'	673+00.00	680+00.00	1.30 ac.	1.19 ac.	0.11 ac.	Proposed Roadway draining into Exfiltration Trench; S-119, S-124 + s-127 + S-130.
		TOTALS =	1.30 ac.	1.19 ac.	0.11 ac.	

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
1.30 ac.	1.19 ac.	0.11 ac.	Proposed Roadway draining into Exfiltration Trench; S-119, S-124 + s-127 + S-130.

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
1.30 ac.	1.19 ac.	0.11 ac.	Proposed Roadway draining into Exfiltration Trench; S-119, S-124 + s-127 + S-130.

1.25 " over AREA impervious =	0.124 ac.-ft.	5,400.0 CU. FT.
0.50 " over AREA Total =	0.054 ac.-ft.	2,353.0 CU. FT.
TREATMENT VOLUME =	0.124 ac.-ft.	5,400.0 CU. FT.
OFW TREATMENT VOLUME =	0.054 ac.-ft.	2,353.0 CU. FT.
USE TREATMENT VOLUME =	**0.178 ac.-ft.**	**7,753.0 CU. FT.**



REQUIRED TREATMENT VOLUME

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PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations Basin 'A1'

Pre-Development Area Calculations

Impervious Area = 0.65 ac.
Pervious Area = 0.65 ac.
Total Area = 1.30 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.65	63.50
80	0.65	52.16
Total =	1.30	115.66

Weighted CN = 115.66 / 1.30

Weighted CN = 89.0

Soil Storage (S)

S = (1000 / CN) -10
S = 1.24 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.27 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.79 acre-feet

Post Development Area Calculations

Impervious Area = 1.19 ac.
Pervious Area = 0.11 ac.
Total Area = 1.30 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	1.19	116.62
80	0.11	8.80
Total =	1.30	125.42

Weighted CN = 125.42 / 1.30

Weighted CN = 96.5

Soil Storage (S)

S = (1000 / CN) -10
S = 0.37 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.18 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.89 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.89 ac.-ft. - 0.79 ac.-ft.

Attenuation Volumetric Difference = 0.10 Ac.-Ft.

JAC BS

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PROJECT: SR 15/600 - Seminole County, Florida

GEOTECHNICAL FIELD DATA

STRATUM	DESCRIPTION	PERMEABILITY, K	ESTIMATED SOIL POROSITY	SAFETY FACTOR	Kvs = K x 3600/2.54/FS	Kvu = 2/3 x Kvs	Kh = 1.5 x Kvu
FD-1	A-2-6	0.0028 cm/sec.	20.00%	2	2.0 in/hr	1.3 in/hr	2.0 in/hr
FD-5	A-2-4	0.0028 cm/sec.	20.00%	2	2.0 in/hr	1.3 in/hr	2.0 in/hr
					OVERALL Kvu = MEAN Kvu =	1.3 in/hr or	2.7 ft./day
					OVERALL Kh = MEAN Kh =	2.0 in/hr or	4.0 ft./day

EXFILTRATION TRENCH DESIGN

EXFILTRATION TRENCH DESIGN where: OVERALL Kvu = AVERAGE(Kvu's)

TRENCH NUMBER	TRENCH BEGINNING STATION	TRENCH ENDING STATION	TRENCH LENGTH	TRENCH WIDTH	TRENCH HEIGHT	TRENCH ' f '	TRENCH BOTTOM EL.	SEASONAL HIGH WT
A1-1	671+20.00	674+60.00	312.00 FT.	6.00 FT.	5.00 FT.	0.450	19.30 FT.	18.00 FT.
A1-2	675+00.00	679+00.00	370.00 FT.	6.00 FT.	5.00 FT.	0.450	19.30 FT.	18.00 FT.

TRENCH NUMBER	NUMBER of PIPE(S)	PIPE DIAMETER	PIPE CROSS SECTIONAL AREA	VOLUME IN PIPE(S)	TRENCH AREA	TRENCH VOLUME = AREAtrench x LENGTH trench	ACTUAL TRENCH VOLUME = (VOL.trench - VOL.pipe) x 'f'(%)	Total Exfilt. Trench Volume = Actual Trench Volume + Pipe Volume
A1-1	1	24 IN.	3.14 SQ.FT.	980.2 Cu-Ft.	1,872.00 SQ.FT.	9,360.0 Cu-Ft.	3,770.9 Cu-Ft.	4,751.1 Cu-Ft.
A1-2	1	24 IN.	3.14 SQ.FT.	1,162.4 Cu-Ft.	2,220.00 SQ.FT.	11,100.0 Cu-Ft.	4,471.9 Cu-Ft.	5,634.3 Cu-Ft.
						CUMULATIVE EXFILTRATION TRENCH VOLUME		10,385.4 Cu-Ft.

SUFFICIENT STORAGE

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PROJECT: **SR 15/600 - Seminole County, Florida**

EXFILTRATION TRENCH DESIGN (continued)

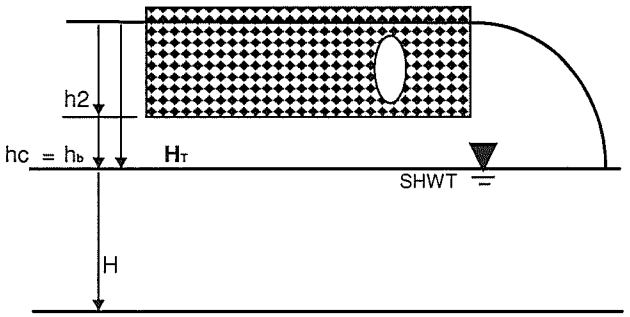
The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: **A1-1**

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	18.00 ft.
TRENCH BOTTOM ELEVATION =	19.30 ft.
TRENCH TOP ELEVATION =	24.30 ft.
TOTAL TRENCH HEIGHT =	5.00 ft.
ELEVATION @ AQUIFER DEPTH =	8.00 ft.
hb =	1.30 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	0.26
TRENCH LENGTH =	312.00 ft.
TRENCH WIDTH =	6.00 ft.
Vu = L*W*f*hb =	486.7 Cu-Ft.
Kvu =	2.7 ft./day
Id = Kvu / 2 =	1.33
t saturation = hb * f / Id =	**0.20 Days**
Beginning Stage =	24.30 ft.
Total Volume =	4,751.1 Cu-Ft.
Remaining Volume = Total Volume - Vu =	4,264.4 Cu-Ft.
Remaining Stage =	23.72 ft.
hc =	1.30 ft.
h2 =	4.42 ft.
HT = hb+h2 =	5.72 ft.
Fy = hc / HT =	0.23
L / W =	52.00
Fx =	**0.50**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.65 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.85 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

t saturation = hb * f / Id =	0.20 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.85 Days
Total Days =	**1.04 Days**



BOTTOM OF THE AQUIFER

VOLUME	STAGE
0.0 Cu-Ft.	19.30 ft.
221.7 Cu-Ft.	19.56 ft.
444.7 Cu-Ft.	19.83 ft.
713.2 Cu-Ft.	20.09 ft.
1,008.0 Cu-Ft.	20.35 ft.
1,315.1 Cu-Ft.	20.62 ft.
1,626.7 Cu-Ft.	20.88 ft.
1,936.4 Cu-Ft.	21.14 ft.
2,237.3 Cu-Ft.	21.41 ft.
2,519.1 Cu-Ft.	21.67 ft.
2,755.9 Cu-Ft.	21.93 ft.
2,977.6 Cu-Ft.	22.19 ft.
3,199.3 Cu-Ft.	22.46 ft.
3,421.0 Cu-Ft.	22.72 ft.
3,642.7 Cu-Ft.	22.98 ft.
3,864.4 Cu-Ft.	23.25 ft.
4,086.0 Cu-Ft.	23.51 ft.
4,307.7 Cu-Ft.	23.77 ft.
4,529.4 Cu-Ft.	24.04 ft.
4,751.1 Cu-Ft.	24.30 ft.

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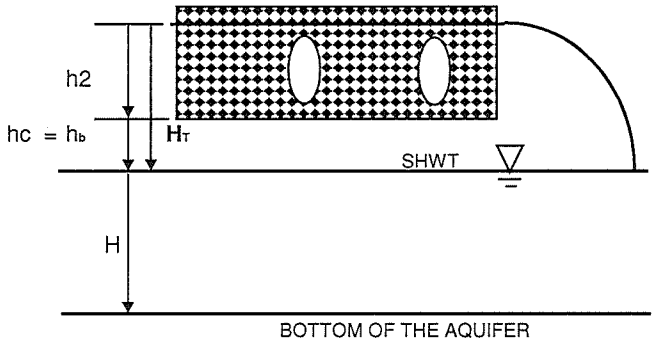
PROJECT: SR 15/600 - Seminole County, Florida

EXFILTRATION TRENCH DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER:	A1-2
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	18.00 ft.
TRENCH BOTTOM ELEVATION =	19.30 ft.
TRENCH TOP ELEVATION =	24.30 ft.
TOTAL TRENCH HEIGHT =	5.00 ft.
ELEVATION @ AQUIFER DEPTH =	-2.00 ft.
hb =	1.30 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	0.26
TRENCH LENGTH =	370.00 ft.
TRENCH WIDTH =	6.00 ft.
Vu = L*W*f*hb =	577.2 Cu-Ft.
Kvu =	2.7 ft./day
Id = Kvu / 2 =	1.33
t saturation = hb * f / Id =	**0.20 Days**
Beginning Stage =	24.30 ft.
Total Volume =	5,634.3 Cu-Ft.
Remaining Volume =	5,057.1 Cu-Ft.
Remaining Stage =	23.51 ft.
hc =	1.30 ft.
h2 =	4.21 ft.
HT = hb+h2 =	5.51 ft.
Fy = hc / HT =	0.24
L / W =	61.67
Fx =	**0.50**
H = SHWT - top of aquiclude =	20.00 ft.
D = H + hc / 2 =	20.65 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.65 Days**
t saturation = hb * f / Id =	0.20 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.65 Days
Total Days =	**0.85 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.



VOLUME	STAGE
0.0 Cu-Ft.	19.30 ft.
262.9 Cu-Ft.	19.56 ft.
527.4 Cu-Ft.	19.83 ft.
845.8 Cu-Ft.	20.09 ft.
1,195.4 Cu-Ft.	20.35 ft.
1,559.6 Cu-Ft.	20.62 ft.
1,929.1 Cu-Ft.	20.88 ft.
2,296.4 Cu-Ft.	21.14 ft.
2,653.2 Cu-Ft.	21.41 ft.
2,987.4 Cu-Ft.	21.67 ft.
3,268.3 Cu-Ft.	21.93 ft.
3,531.2 Cu-Ft.	22.19 ft.
3,794.1 Cu-Ft.	22.46 ft.
4,056.9 Cu-Ft.	22.72 ft.
4,319.8 Cu-Ft.	22.98 ft.
4,582.7 Cu-Ft.	23.25 ft.
4,845.6 Cu-Ft.	23.51 ft.
5,108.5 Cu-Ft.	23.77 ft.
5,371.4 Cu-Ft.	24.04 ft.
5,634.3 Cu-Ft.	24.30 ft.

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PROJECT: **SR 15/600 - Seminole County, Florida**

	A1-1	A1-2	Bottom Area	REMARKS
Length	312.00 ft.	370.00 ft.	0.04 ac.	A1-1
Width	6.00 ft.	6.00 ft.	0.05 ac.	A1-2
STAGE	VOLUME	VOLUME	VOLUME SUM	
19.30 ft.	0.0 Cu-Ft.	0.0 Cu-Ft.	0.0 Cu-Ft.	0.00 ac.-ft.
19.56 ft.	221.7 Cu-Ft.	262.9 Cu-Ft.	484.6 Cu-Ft.	0.011124 ac.-ft.
19.83 ft.	444.7 Cu-Ft.	527.4 Cu-Ft.	972.2 Cu-Ft.	0.022318 ac.-ft.
20.09 ft.	713.2 Cu-Ft.	845.8 Cu-Ft.	1,559.0 Cu-Ft.	0.035789 ac.-ft.
20.35 ft.	1,008.0 Cu-Ft.	1,195.4 Cu-Ft.	2,203.5 Cu-Ft.	0.050585 ac.-ft.
20.62 ft.	1,315.1 Cu-Ft.	1,559.6 Cu-Ft.	2,874.7 Cu-Ft.	0.065994 ac.-ft.
20.88 ft.	1,626.7 Cu-Ft.	1,929.1 Cu-Ft.	3,555.8 Cu-Ft.	0.081631 ac.-ft.
21.14 ft.	1,936.4 Cu-Ft.	2,296.4 Cu-Ft.	4,232.8 Cu-Ft.	0.097172 ac.-ft.
21.41 ft.	2,237.3 Cu-Ft.	2,653.2 Cu-Ft.	4,890.4 Cu-Ft.	0.112268 ac.-ft.
21.67 ft.	2,519.1 Cu-Ft.	2,987.4 Cu-Ft.	5,506.5 Cu-Ft.	0.126413 ac.-ft.
21.93 ft.	2,755.9 Cu-Ft.	3,268.3 Cu-Ft.	6,024.2 Cu-Ft.	0.138297 ac.-ft.
22.19 ft.	2,977.6 Cu-Ft.	3,531.2 Cu-Ft.	6,508.8 Cu-Ft.	0.149421 ac.-ft.
22.46 ft.	3,199.3 Cu-Ft.	3,794.1 Cu-Ft.	6,993.4 Cu-Ft.	0.160545 ac.-ft.
22.72 ft.	3,421.0 Cu-Ft.	4,056.9 Cu-Ft.	7,477.9 Cu-Ft.	0.171670 ac.-ft.
22.98 ft.	3,642.7 Cu-Ft.	4,319.8 Cu-Ft.	7,962.5 Cu-Ft.	0.182794 ac.-ft.
23.25 ft.	3,864.4 Cu-Ft.	4,582.7 Cu-Ft.	8,447.1 Cu-Ft.	0.193919 ac.-ft.
23.51 ft.	4,086.0 Cu-Ft.	4,845.6 Cu-Ft.	8,931.7 Cu-Ft.	0.205043 ac.-ft.
23.77 ft.	4,307.7 Cu-Ft.	5,108.5 Cu-Ft.	9,416.3 Cu-Ft.	0.216167 ac.-ft.
24.04 ft.	4,529.4 Cu-Ft.	5,371.4 Cu-Ft.	9,900.8 Cu-Ft.	0.227292 ac.-ft.
24.30 ft.	4,751.1 Cu-Ft.	5,634.3 Cu-Ft.	10,385.4 Cu-Ft.	0.238416 ac.-ft.

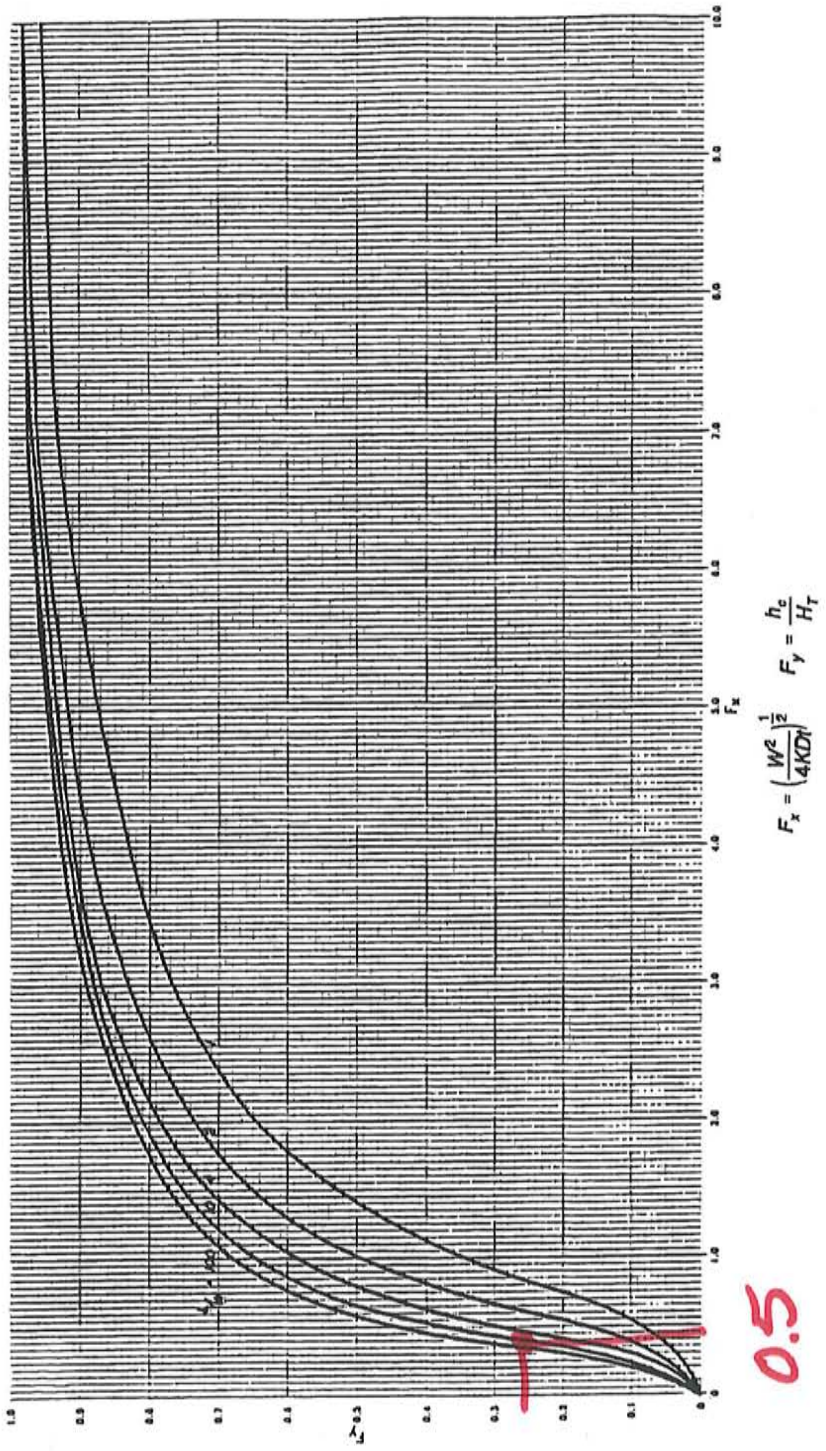

Figure 26-6. Dimensionless Curves Relating Basin Design Parameters to Basin Water Level in a Rectangular Retention Basin Over an Unconfined Aquifer ($f = 0.2$) (Source: Andreyev and Wiseman, 1989).

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PROJECT: **SR 15/600 - Seminole County, Florida**

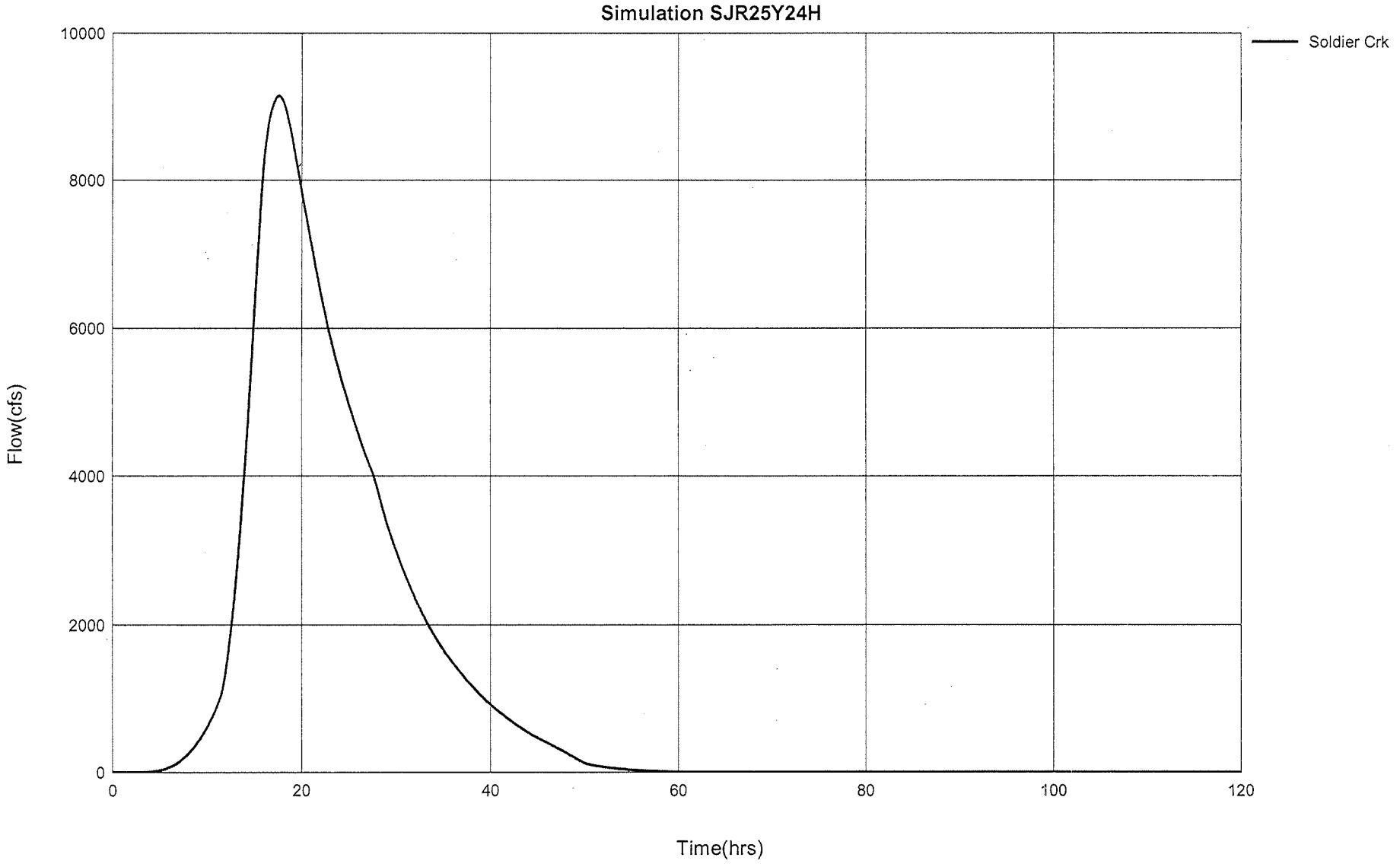
	A1-1	A1-2	Bottom Area	REMARKS
Length	308.00 ft.	370.00 ft.	0.04 ac.	A1-1
Width	6.00 ft.	6.00 ft.	0.05 ac.	A1-2
STAGE	VOLUME	VOLUME	VOLUME SUM	
19.30 ft.	0.0 Cu-Ft.	0.0 Cu-Ft.	0.0 Cu-Ft.	0.00 ac.-ft.
19.56 ft.	252.6 Cu-Ft.	301.6 Cu-Ft.	554.2 Cu-Ft.	0.012723 ac.-ft.
19.83 ft.	506.7 Cu-Ft.	604.9 Cu-Ft.	1,111.6 Cu-Ft.	0.025518 ac.-ft.
20.09 ft.	808.6 Cu-Ft.	965.2 Cu-Ft.	1,773.8 Cu-Ft.	0.040721 ac.-ft.
20.35 ft.	1,139.5 Cu-Ft.	1,360.3 Cu-Ft.	2,499.8 Cu-Ft.	0.057388 ac.-ft.
20.62 ft.	1,485.7 Cu-Ft.	1,773.6 Cu-Ft.	3,259.3 Cu-Ft.	0.074824 ac.-ft.
20.88 ft.	1,840.3 Cu-Ft.	2,196.8 Cu-Ft.	4,037.1 Cu-Ft.	0.092679 ac.-ft.
21.14 ft.	2,197.9 Cu-Ft.	2,623.8 Cu-Ft.	4,821.7 Cu-Ft.	0.110691 ac.-ft.
21.41 ft.	2,553.9 Cu-Ft.	3,048.7 Cu-Ft.	5,602.7 Cu-Ft.	0.128619 ac.-ft.
21.67 ft.	2,903.3 Cu-Ft.	3,465.8 Cu-Ft.	6,369.0 Cu-Ft.	0.146212 ac.-ft.
21.93 ft.	3,239.7 Cu-Ft.	3,867.4 Cu-Ft.	7,107.1 Cu-Ft.	0.163157 ac.-ft.
22.19 ft.	3,553.0 Cu-Ft.	4,241.4 Cu-Ft.	7,794.3 Cu-Ft.	0.178933 ac.-ft.
22.46 ft.	3,817.0 Cu-Ft.	4,556.5 Cu-Ft.	8,373.5 Cu-Ft.	0.192229 ac.-ft.
22.72 ft.	4,069.6 Cu-Ft.	4,858.1 Cu-Ft.	8,927.7 Cu-Ft.	0.204952 ac.-ft.
22.98 ft.	4,322.2 Cu-Ft.	5,159.7 Cu-Ft.	9,481.9 Cu-Ft.	0.217675 ac.-ft.
23.25 ft.	4,574.9 Cu-Ft.	5,461.3 Cu-Ft.	10,036.1 Cu-Ft.	0.230398 ac.-ft.
23.51 ft.	4,827.5 Cu-Ft.	5,762.8 Cu-Ft.	10,590.3 Cu-Ft.	0.243121 ac.-ft.
23.77 ft.	5,080.1 Cu-Ft.	6,064.4 Cu-Ft.	11,144.5 Cu-Ft.	0.255844 ac.-ft.
24.04 ft.	5,332.8 Cu-Ft.	6,366.0 Cu-Ft.	11,698.8 Cu-Ft.	0.268566 ac.-ft.
24.30 ft.	5,585.4 Cu-Ft.	6,667.6 Cu-Ft.	12,253.0 Cu-Ft.	0.281289 ac.-ft.

STAGE - VOLUME for TRENCH A1-1 & A1-2

Name:	Soldier Crk	Soldier Crk	Soldier Crk	Soldier Crk
Group:	HydroTest	HydroTest	HydroTest	HydroTest
Simulation:	100Y072H	100Y168H	100Y240H	SJR25Y24H
Node:	Lk Jessup	Lk Jessup	Lk Jessup	Lk Jessup
Type:	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0
Spec Time Inc(min):	63.87	63.87	63.87	63.87
Comp Time Inc(min):	15.00	15.00	15.00	15.00
Rain File:	FDOT-72	FDOT-168	FDOT-240	Flmod
Rain Amount(in):	13.750	16.800	18.500	8.600
Duration(hrs):	72.00	168.00	240.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite
TC(min):	479.00	479.00	479.00	479.00
Time Shift(hrs):	0.00	0.00	0.00	0.00
Area(ac):	17408.000	17408.000	17408.000	17408.000
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000
Curve Num:	90.000	90.000	90.000	90.000
DCIA(%):	0.000	0.000	0.000	0.000
Time Max(hrs):	65.25	162.50	186.75	17.50
Flow Max(cfs):	6459.952	5917.022	7408.148	9149.778
Runoff Volume(in):	12.501	15.536	17.230	7.397
Runoff Volume(ft3):	789942251.679	981753844.360	1088790695.783	467404456.341

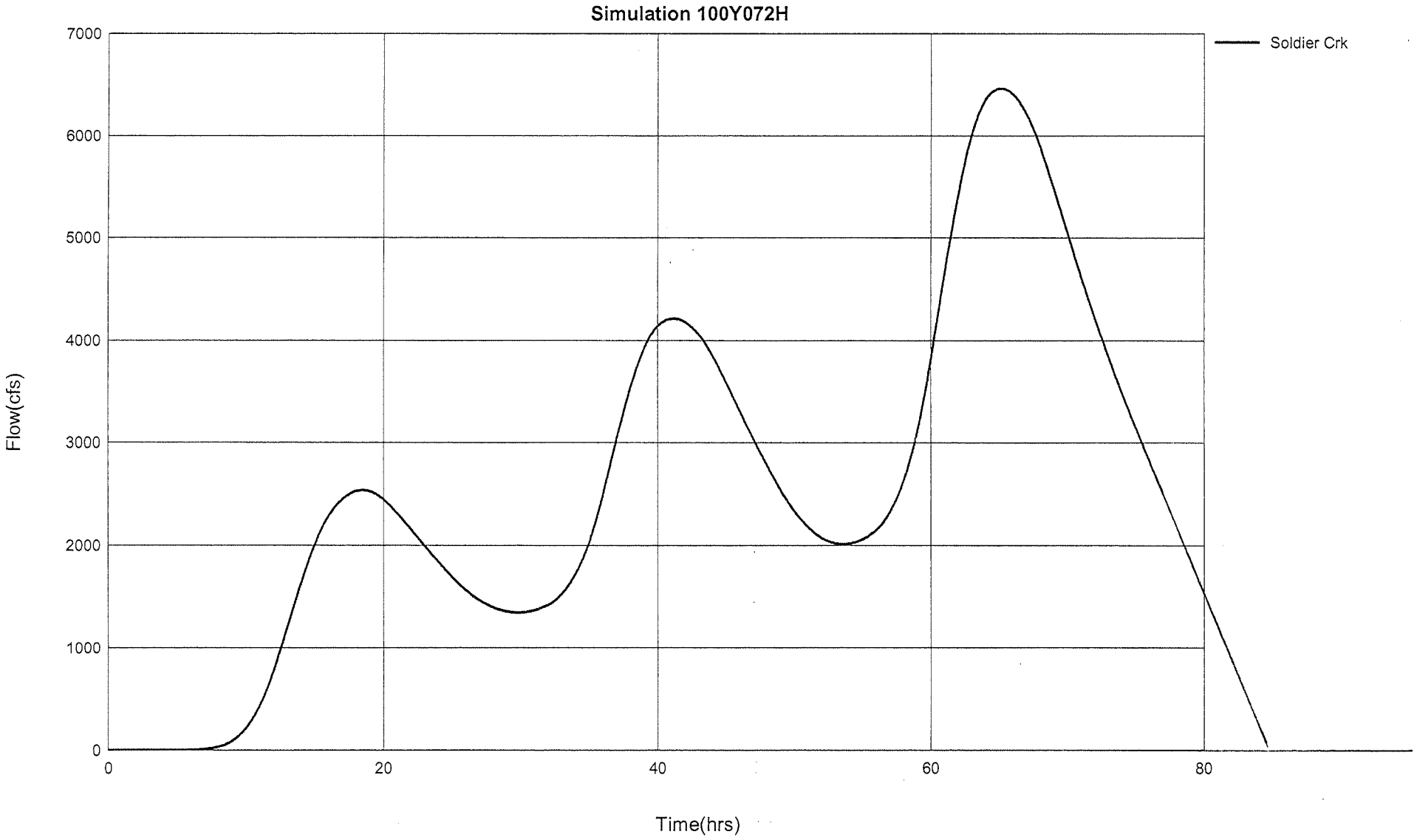
* USED FOR ESTIMATING STAGE-TIME TAILWATER RELATIONSHIP ONLY.

Basin A Post-Development
Pond A Tailwater Flow-Time Estimation



Carter & Burgess

Basin A Post-Development
Pond A Tailwater Flow-Time Estimation



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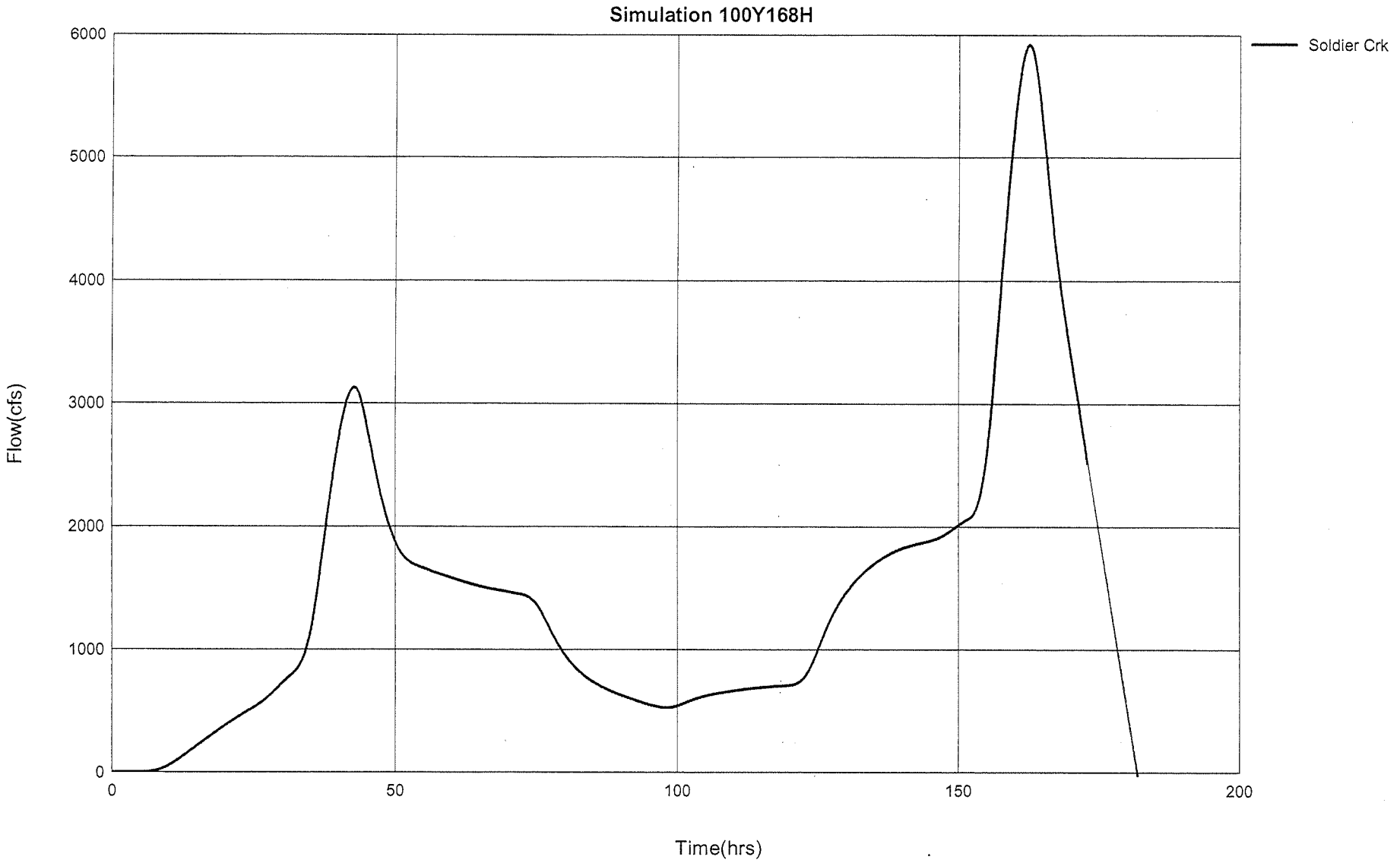
Basin A Post-Development
Pond A Tailwater Flow-Time Estimation



Carter & Burgess

Basin A Post-Development
Pond A Tailwater Flow-Time Estimation

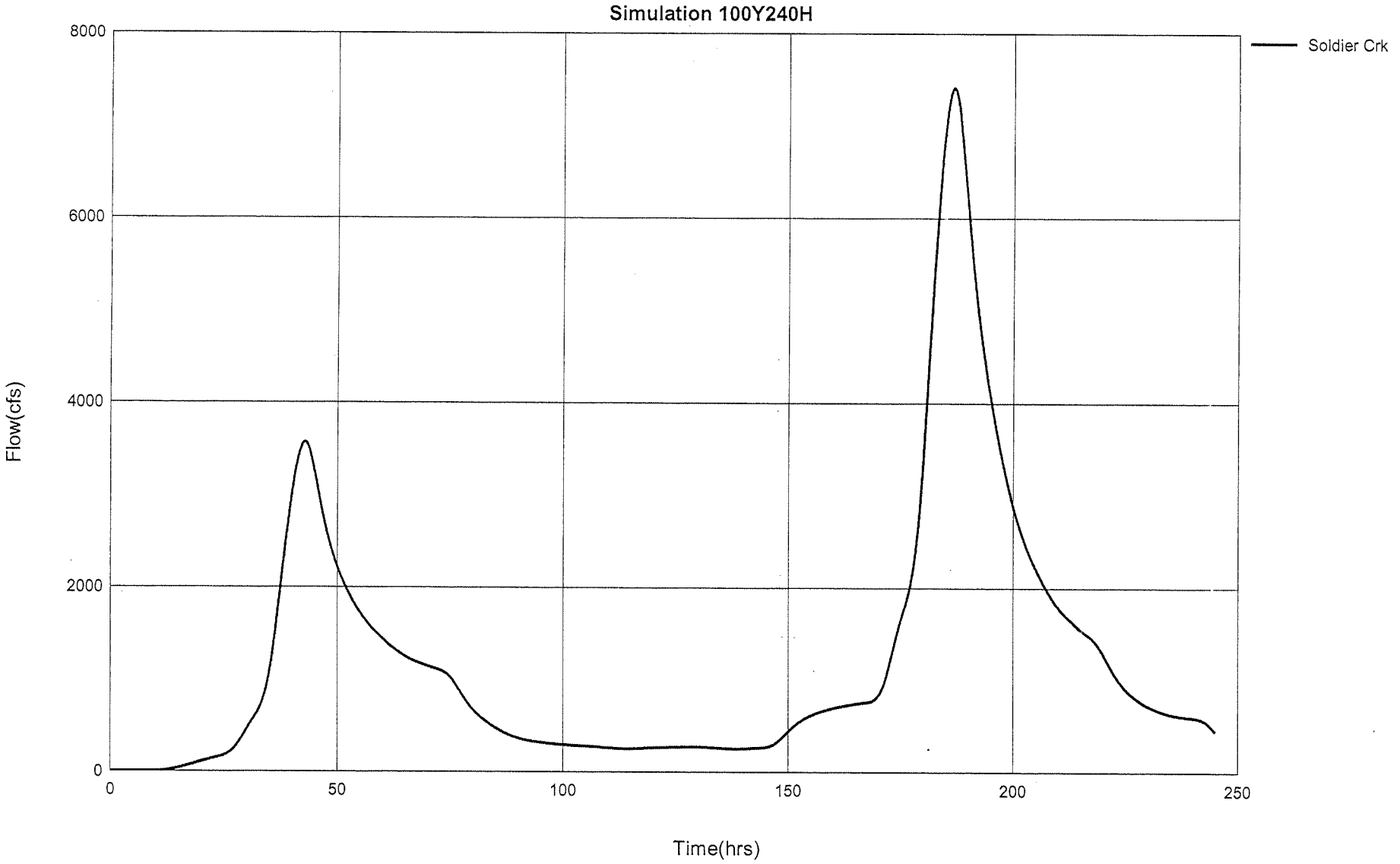


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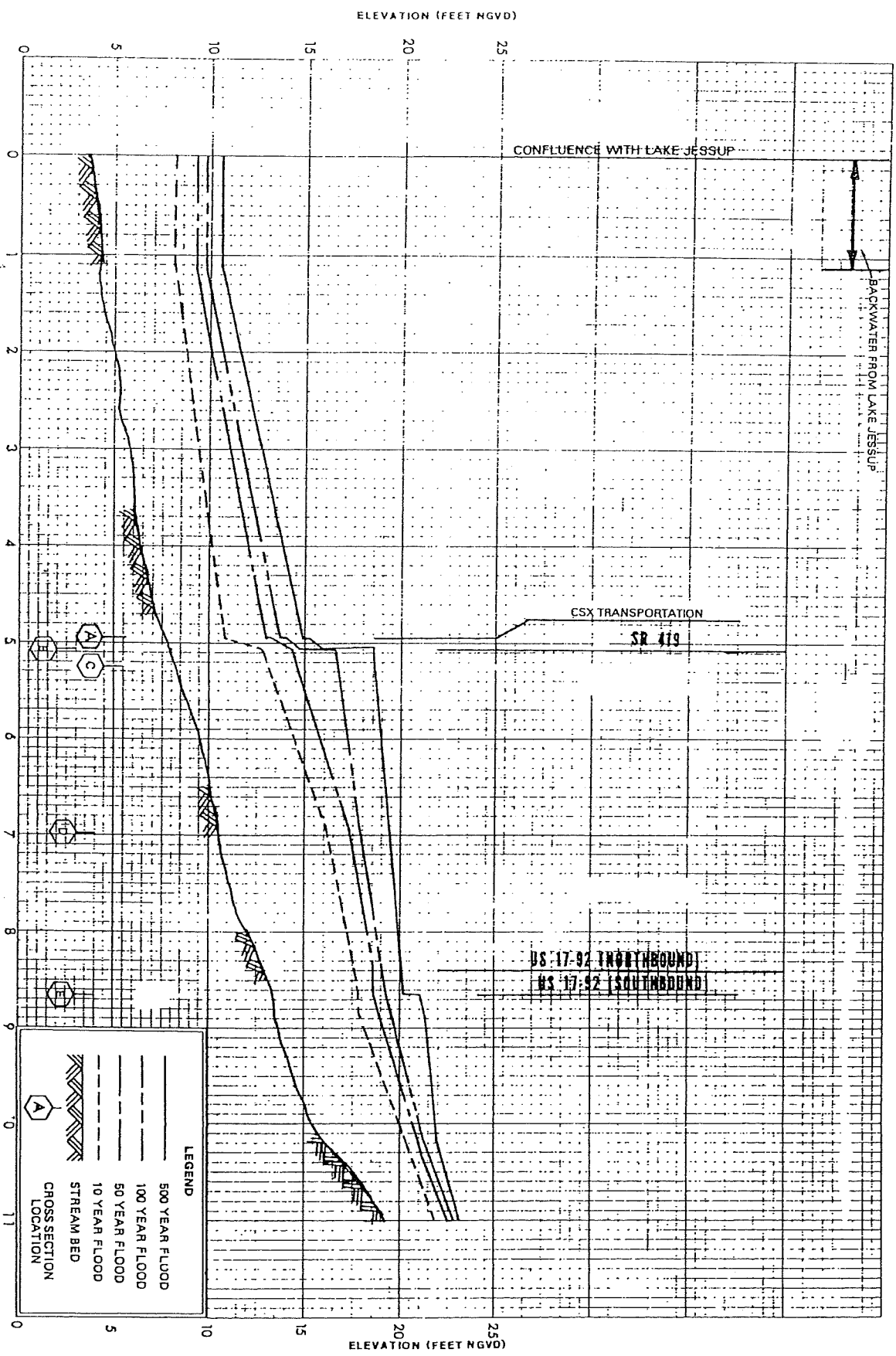
TABLE 2 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
HOWELL CREEK					
At Lake Jessup	27.2	2,080	4,630	6,420	12,140
At State Route 419	26.4	2,030	4,500	6,240	11,750
At Cross Section G	23.5	680	1,410	2,110	3,880
At Lake Howell	20.1	500	800	1,200	1,800
At State Route 436	19.0	440	710	880	1,410
LITTLE ECONLOCKHATCHEE RIVER					
At Lockwood Road	*	3,250	*	6,440	*
At State Route 520	*	4,760	*	8,520	*
At Orange County boundary	*	4,720	*	8,360	*
LITTLE HOWELL CREEK					
At mouth	2.4	450	1,150	1,370	3,110
LITTLE WEKIVA RIVER					
At State Route 434	33.8	920	1,500	1,800	2,580
At Montgomery Road	31.1	780	1,280	1,520	2,070
At CSX Transportation	27.6	700	1,140	1,370	1,830
At State Route 431	25.4	550	880	1,050	1,610
SIX MILE CREEK					
At Lake Jessup	4.5	430	780	950	1,530
SIX MILE CREEK TRIBUTARY					
At mouth	2.4	230	480	560	820
SOLDIER CREEK					
At Lake Jessup	27.2	480	1,120	1,370	2,260
At State Route 419	10.2	480	1,120	1,370	2,260
At U.S. Route 17-92	8.1	300	700	860	1,420
At CSX Transportation	2.7	150	350	430	710
SOLDIER CREEK FLOWPATH A					
At Sewage Disposal Road	3.13	150	350	430	710
At CSX Transportation	2.67	100	200	210	260
SWEETWATER CREEK					
At Lake Jessup	2.8	135	300	400	760
At State Route 426	0.19	70	170	220	420
At Geneva Drive	0.19	100	220	300	520
At CSX Transportation	0.17	60	140	180	350
TRIBUTARY A					
At mouth	0.6	110	180	230	360

* Data not available



FEDERAL EMERGENCY MANAGEMENT AGENCY

SEMINOLE COUNTY, FL AND INCORPORATED AREAS

FLOOD PROFILES

SOLDIER CREEK

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Carter & Burgess

Made by: HDT | Checked by:
DATE: January 31 2008 | TIME: 9:44 AM
Project Number: 200230

PROJECT: Basin 'A"

ESTIMATED TAILWATER DETERMINATION

NODE NAME: Pond 'A'

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	13.00	13.00	13.00	SOURCE: Qudarangle Map
2YR-24HR	4.80	---	15.13	15.10	
2.33YR-24HR	5.00	---	15.22	15.20	
3YR-24HR	5.40	---	15.40	15.40	
5YR-24HR	6.25	---	15.78	15.75	
10YR-24HR	7.25	---	16.22	16.20	
25YR-24HR	8.60	---	16.82	16.80	
50YR-24HR	9.60	---	17.27	17.25	
100YR-24HR	10.60	17.71	17.71	17.70	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

EXISTING 24 HR STORM STAGES

TIME (hrs)	PERCENT (%)	2YR-24HR STAGE (ft.)	5YR-24HR STAGE (ft.)	3YR-24HR STAGE (ft.)	10YR-24HR STAGE (ft.)	25YR-24HR STAGE (ft.)	50YR-24HR STAGE (ft.)	100YR-24HR STAGE (ft.)
0.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00	13.00
4.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00	13.00
7.0	1.401%	13.03	13.04	13.03	13.04	13.05	13.06	13.07
10.0	6.664%	13.14	13.18	13.16	13.21	13.25	13.28	13.31
12.2	16.413%	13.34	13.45	13.39	13.53	13.62	13.70	13.77
15.8	87.537%	14.84	15.41	15.10	15.80	16.33	16.72	17.11
17.2	97.801%	15.05	15.69	15.35	16.13	16.72	17.16	17.60
17.7	100.000%	15.10	15.75	15.40	16.20	16.80	17.25	17.70
18.1	98.199%	15.06	15.70	15.36	16.14	16.73	17.17	17.62
20.0	87.537%	14.84	15.41	15.10	15.80	16.33	16.72	17.11
27.9	43.768%	13.92	14.20	14.05	14.40	14.66	14.86	15.06
33.3	21.884%	13.46	13.60	13.53	13.70	13.83	13.93	14.03
40.0	10.220%	13.21	13.28	13.25	13.33	13.39	13.43	13.48
50.1	1.603%	13.03	13.04	13.04	13.05	13.06	13.07	13.08
60.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00	13.00
120.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00	13.00
240.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00	13.00

TIME (hrs)	PERCENT (%)	2.33YR-24HR STAGE (ft.)
0.0	0.000%	13.00
4.0	0.000%	13.00
7.0	1.401%	13.03
10.0	6.664%	13.15
12.2	16.413%	13.36
15.8	87.537%	14.93
17.2	97.801%	15.15
17.7	100.000%	15.20
18.1	98.199%	15.16
20.0	87.537%	14.93
27.9	43.768%	13.96
33.3	21.884%	13.48
40.0	10.220%	13.22
50.1	1.603%	13.04
60.0	0.000%	13.00
120.0	0.000%	13.00
240.0	0.000%	13.00

JACOBS
Carter & Burgess

Made by: HDT
DATE: January 31 2008
Checked by:
TIME: 9:44 AM
Project Number: 200230

PROJECT: Basin 'A"

ESTIMATED TAILWATER DETERMINATION

NODE NAME: Pond 'A'

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	13.00	13.00	13.00	SOURCE: Qudarangle Map
2YR-24HR	4.80	---	15.13	15.10	
2.33YR-24HR	5.00	---	15.22	15.20	
3YR-24HR	5.40	---	15.40	15.40	
5YR-24HR	6.25	---	15.78	15.75	
10YR-24HR	7.25	---	16.22	16.20	
25YR-24HR	8.60	---	16.82	16.80	
50YR-24HR	9.60	---	17.27	17.25	
100YR-24HR	10.60	17.71	17.71	17.70	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

72 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2YR-72HR STAGE (ft.)	5YR-72HR STAGE (ft.)	10YR-72HR STAGE (ft.)	25YR-72HR STAGE (ft.)	50YR-72HR STAGE (ft.)	100YR-72HR STAGE (ft.)
0.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
6.7	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
10.7	5.596%	13.12	13.15	13.18	13.21	13.24	13.26
15.0	31.003%	13.65	13.85	13.99	14.18	14.32	14.46
18.4	39.374%	13.83	14.08	14.26	14.50	14.67	14.85
20.8	36.025%	13.76	13.99	14.15	14.37	14.53	14.69
25.7	25.058%	13.53	13.69	13.80	13.95	14.06	14.18
29.6	21.253%	13.45	13.58	13.68	13.81	13.90	14.00
34.5	29.530%	13.62	13.81	13.94	14.12	14.26	14.39
38.2	57.045%	14.20	14.57	14.83	15.17	15.42	15.68
40.4	64.435%	14.35	14.77	15.06	15.45	15.74	16.03
41.0	65.106%	14.37	14.79	15.08	15.47	15.77	16.06
43.3	62.006%	14.30	14.71	14.98	15.36	15.64	15.91
48.6	40.048%	13.84	14.10	14.28	14.52	14.70	14.88
53.3	31.003%	13.65	13.85	13.99	14.18	14.32	14.46
58.6	46.504%	13.98	14.28	14.49	14.77	14.98	15.19
62.3	87.927%	14.85	15.42	15.81	16.34	16.74	17.13
63.6	96.652%	15.03	15.66	16.09	16.67	17.11	17.54
65.1	100.000%	15.10	15.75	16.20	16.80	17.25	17.70
66.9	95.757%	15.01	15.63	16.06	16.64	17.07	17.50
73.2	56.828%	14.19	14.56	14.82	15.16	15.42	15.67
76.9	38.706%	13.81	14.06	14.24	14.47	14.64	14.82
78.8	31.003%	13.65	13.85	13.99	14.18	14.32	14.46
85.3	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
96.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00

168 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2 YR-168 HR STAGE (ft.)	5 YR-168 HR STAGE (ft.)	10 YR-168 HR STAGE (ft.)	25 YR-168 HR STAGE (ft.)	50 YR-168 HR STAGE (ft.)	100 YR-168 HR STAGE (ft.)
0.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
6.7	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
33.5	14.673%	13.31	13.40	13.47	13.56	13.62	13.69
41.3	50.830%	14.07	14.40	14.63	14.93	15.16	15.39
42.9	52.914%	14.11	14.46	14.69	15.01	15.25	15.49
51.5	29.651%	13.62	13.82	13.95	14.13	14.26	14.39
74.0	23.958%	13.50	13.66	13.77	13.91	14.02	14.13
82.0	13.978%	13.29	13.38	13.45	13.53	13.59	13.66
97.3	9.132%	13.19	13.25	13.29	13.35	13.39	13.43
121.4	12.470%	13.26	13.34	13.40	13.47	13.53	13.59
128.4	23.268%	13.49	13.64	13.74	13.88	13.99	14.09
138.6	30.886%	13.65	13.85	13.99	14.17	14.31	14.45
152.3	35.319%	13.74	13.97	14.13	14.34	14.50	14.66
160.9	95.290%	15.00	15.62	16.05	16.62	17.05	17.48
161.9	100.000%	15.10	15.75	16.20	16.80	17.25	17.70
163.6	96.815%	15.03	15.66	16.10	16.68	17.11	17.55
168.0	67.589%	14.42	14.86	15.16	15.57	15.87	16.18
172.8	42.797%	13.90	14.18	14.37	14.63	14.82	15.01
178.5	16.943%	13.36	13.47	13.54	13.64	13.72	13.80
187.6	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
200.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00

JACOBS
Carter & Burgess

Made by: HDT | Checked by:
DATE: January 31 2008 | TIME: 9:44 AM
Project Number: 200230

PROJECT: Basin 'A"

ESTIMATED TAILWATER DETERMINATION

NODE NAME: Pond 'A'

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	13.00	13.00	13.00	SOURCE: Qudarangle Map
2YR-24HR	4.80	---	15.13	15.10	
2.33YR-24HR	5.00	---	15.22	15.20	
3YR-24HR	5.40	---	15.40	15.40	
5YR-24HR	6.25	---	15.78	15.75	
10YR-24HR	7.25	---	16.22	16.20	
25YR-24HR	8.60	---	16.82	16.80	
50YR-24HR	9.60	---	17.27	17.25	
100YR-24HR	10.60	17.71	17.71	17.70	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

240 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2 YR-240 HR STAGE (ft.)	5 YR-240 HR STAGE (ft.)	10 YR-240 HR STAGE (ft.)	25 YR-240 HR STAGE (ft.)	50 YR-240 HR STAGE (ft.)	100 YR-240 HR STAGE (ft.)
0.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
10.3	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
26.6	2.946%	13.06	13.08	13.09	13.11	13.13	13.14
33.0	9.432%	13.20	13.26	13.30	13.36	13.40	13.44
40.9	44.628%	13.94	14.23	14.43	14.70	14.90	15.10
43.0	48.162%	14.01	14.32	14.54	14.83	15.05	15.26
48.7	32.550%	13.68	13.90	14.04	14.24	14.38	14.53
57.1	21.072%	13.44	13.58	13.67	13.80	13.90	13.99
65.1	17.085%	13.36	13.47	13.55	13.65	13.73	13.80
74.4	14.581%	13.31	13.40	13.47	13.55	13.62	13.69
82.4	7.811%	13.16	13.21	13.25	13.30	13.33	13.37
86.8	6.186%	13.13	13.17	13.20	13.24	13.26	13.29
93.8	4.714%	13.10	13.13	13.15	13.18	13.20	13.22
117.5	3.535%	13.07	13.10	13.11	13.13	13.15	13.17
146.9	4.124%	13.09	13.11	13.13	13.16	13.18	13.19
154.1	8.543%	13.18	13.23	13.27	13.32	13.36	13.40
169.7	11.046%	13.23	13.30	13.35	13.42	13.47	13.52
176.9	27.027%	13.57	13.74	13.86	14.03	14.15	14.27
183.0	81.081%	14.70	15.23	15.59	16.08	16.45	16.81
185.1	97.135%	15.04	15.67	16.11	16.69	17.13	17.57
186.3	100.000%	15.10	15.75	16.20	16.80	17.25	17.70
189.9	81.081%	14.70	15.23	15.59	16.08	16.45	16.81
195.0	54.054%	14.14	14.49	14.73	15.05	15.30	15.54
200.0	38.442%	13.81	14.06	14.23	14.46	14.63	14.81
209.5	24.303%	13.51	13.67	13.78	13.92	14.03	14.14
218.0	19.595%	13.41	13.54	13.63	13.74	13.83	13.92
224.0	26.180%	13.55	13.72	13.84	13.99	14.11	14.23
232.5	9.278%	13.19	13.26	13.30	13.35	13.39	13.44
241.6	8.108%	13.17	13.22	13.26	13.31	13.34	13.38
255.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00
270.0	0.000%	13.00	13.00	13.00	13.00	13.00	13.00

NOTES: THESE STAGES WERE CALCULATED USING GOOD ENGINEERING JUDGMENT
KNOWING THE PEAK TAILWATER CONDITIONS FROM LOCAL CONDITIONS
STAFF AND FEMA FIRM MAP/USGS QUADRANGLE INFORMATION.

100YR/24HR STORM RELATIONSHIP WAS USED FOR ALL 100 YEAR STORMS < 24HRS.

JACOBS

PROJECT: SR 15 WIDENING - SEMINOLE COUNTY, FL.
Basin: Basin 'A'/ Pond 'A'

Made by: HDT Checked by: MBS
DATE: May 3 2011 6:19 PM
Project Number: 240196-01-5201

Site-Specific Pre-/Post- Pollutant Loading Analysis

Existing Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
EXISTING ROADWAY Basin 'A' SR 15/600	HWY 50%	HSG D	0.872	X	34.20	=	29.84				29.84
PROPOSED POND	TREE	HSG C	0.045	X	2.77	=	0.13				0.13
EXISTING ROADWAY SHEPARD ROAD	HWY 50%	HSG C	0.819	X	2.55	=	2.09				2.09
Offsite Area to the SOUTH	COMM	HSG C	0.944	X	16.22	=	15.31				15.31
			TOTALS =		55.74		47.36			TOTALS =	47.36

Proposed Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
PROPOSED BASIN 'A' SR 15/600 (UNTREATED)	HWY 75%	HSG D	1.134	X	21.48	=	24.37				24.37
PROPOSED POND	OPEN	HSG C	0.035	X	2.77	=	0.10	Wet Detention (OFW)	*N/A*	64.5	0.03
PROPOSED SHEPARD ROAD	HWY 50%	HSG C	0.819	X	2.55	=	2.09	Wet Detention (OFW)	*N/A*	64.5	0.74
PROPOSED SR 15/600 (TREATED)	HWY 75%	HSG D	1.134	X	1.30	=	1.47	Dry Retention	*1.25*	84	0.24
Basin Offsite Area South	COMM	HSG C	0.944	X	16.22	=	15.31				15.31
Offsite Area Basin 'A'	HWY 50%	HSG D	0.872	X	11.41	=	9.96				9.96
			TOTALS =		55.74		53.30			TOTALS =	50.65

CONCLUSION:

EXISTING OUTFLOW MASS LOADING = 47.36 kg/yr

PROPOSED OUTFLOW MASS LOADING = 50.65 kg/yr

==========

NET REDUCTION IN PHOSPHOROUS LOADING = -3.29 kg/yr *

PERCENT NET REDUCTION IN TOTAL P LOADING = -6.94%

* DEFICIENT POLLUTANT REMOVAL IS MITIGATED IN SEMINOLE COUNTY REGIONAL POND BEING PROPOSED.

C

Appendix C

Basin B Drainage Calculations

Pre-Development

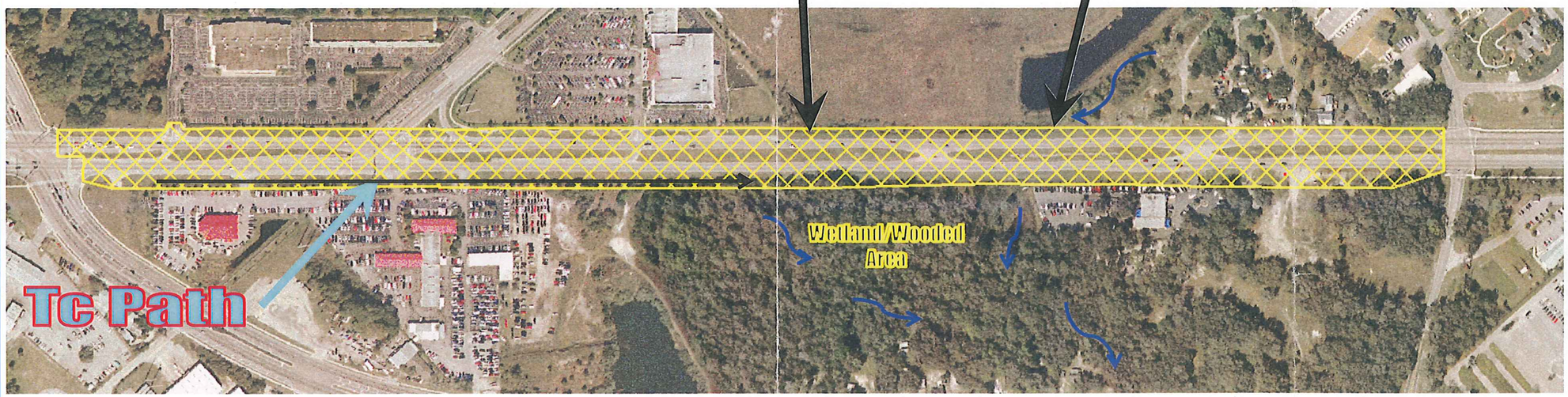
- Basin Schematic
- CN Calculation
- Tc Calculation
- ICPR

Post-Development

- Basin Schematic
- CN Calculation
- Tc Calculation
- Water Quality Calculation
- Exfiltration System Calculations
- Basin 'A' and 'B' ICPR Calculations
- Pond B FDOT (14-86) and SJRWMD Discharge Rate Summary
- Tailwater Estimate Calculation
- Basin B Pre/Post Pollutant Loading Analysis

NORTH

N.T.S.



SR 15/600

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	Pre-Development Condition BASIN 'B'	JACOBS	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure B-1

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JACOBS

Made by: HDT Checked by:
Date: 04-May-11 Time: 5:34 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations Basin 'B1'

Pre-Development Area Calculations

Impervious Area = 2.33 ac.
Pervious Area = 1.03 ac.
Total Area = 3.35 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	2.33	228.13
80	1.03	82.09
Total =	3.35	310.22

$$\text{Weighted CN} = \frac{310.22}{3.35}$$

Weighted CN = 92.5

Soil Storage (S)

S = (1000 / CN) -10
S = 0.81 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.70 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.15 acre-feet

Post Development Area Calculations

Weighted Curve Number (CN)

Basin	Land Use	Area (ac.)	CN	CN * Area	Wght'd CN	S (in.)	Q (in.)	Vpost (ac.-ft.)
B1 - S-277	Impervious Area =	0.75	98	73.95	95.5	0.47	8.06	0.59
	Pervious Area =	0.12	80	9.71				
	Total Area =	0.88	Total =	83.66				
B2 - S-280	Impervious Area =	0.91	98	89.13	96.4	0.37	8.17	0.68
	Pervious Area =	0.09	80	7.08				
	Total Area =	1.00	Total =	96.21				
B3 - S-283	Impervious Area =	0.15	98	14.92	87.7	1.40	7.12	0.21
	Pervious Area =	0.20	80	16.30				
	Total Area =	0.36	Total =	31.22				
B4 - S-285	Impervious Area =	0.91	98	88.89	94.5	0.58	7.94	0.74
	Pervious Area =	0.22	80	17.36				
	Total Area =	1.12	Total =	106.25				

Grand Total = 3.35 ac. Grand Total Vpost = 2.22 ac-ft

Soil Storage (S)

S = (1000 / CN) -10

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)

Runoff Volume

Vpost = (Q / 12)x Area Total

Attenuation Volumetric Difference = Vpost - Vpre = 2.22 ac.-ft. - 2.15 ac.-ft.

Attenuation Volumetric Difference = 0.07 Ac.-Ft.

Pre-Development

Project	:	SR 15/600	**Design By:** HDT	**Date:**	3/23/11
Location	:	Seminole County, Florida	**Check By:** MBS	**Date:**	
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	3/23/11			

Basin 'B' (Pre-Development)

Total Area =	**17.36 ac**	**Average CN =**	**87.81**
Total Runoff =	**10.30 ac-ft**		

From Station =	737+71
To Station =	779+75

Existing Roadway (SR 15/600)
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	6.59	646
	D	Open space, fair condition	80	7.97	638
			Totals =	14.56	1283

CN (weighted) = total product / total area = 1283.219 / 14.558 = CN = **88**

Existing Roadway (SR 15/600)
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	88	1.36

$$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$$

Runoff Depth (Qin) = 7.16 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **8.68 ac.-ft.**

Offsite Area
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	0.95	93
	D	Open space, fair condition	80	1.85	148
	B	Open space, fair condition	80	0.00	0
			Totals =	2.80	241

CN (weighted) = total product / total area = 241.3014 / 2.802 = CN = **86**

Offsite Area
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	86	1.63

$$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$$

Runoff Depth (Q) = 6.91 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **1.61 ac.-ft.**

Time of Concentration

Project:	SR 15/600	**Design By:**	HDT	**Date:**	3/23/11
Location:	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number:	24019613201				
Consultant:	Jacobs				
Date:	3/23/11				

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **PAVEMENT**

SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = $V_{unpaved}$, V_{paved}, V_{pipe} and/or V_{ditch}

$V_{unpaved}$ = 16.1345 x (S)^0.5; where S = Slope in ft/ft.

V_{paved} = 20.3282 x (S)^0.5; where S = Slope in ft/ft.

V_{pipe} = 2.5 fps (Assumed Velocity)

V_{ditch} = 1.0 fps (Assumed Velocity)

"n"	LAND USE
0.015	PAVEMENT
0.05	BARE SOIL
0.20	POOR GRASS
0.40	AVE. GRASS or LAWNS
0.60	DENSE GRASS or WOODLANDS
0.80	THICK FOREST

Basin : **Basin 'B'**

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	45 ft.	0.015	2.00%	7.40 in./hr.	7.40 in./hr.	----	1.07
UNPAVED	1,126 ft.		0.27%			0.84 fps	22.38
PAVED	726 ft.		0.44%			1.35 fps	8.97
					TOTAL TIME of CONCENTRATION =		32.42
					USE TOTAL TIME of CONCENTRATION =		32.40

Basin : **ExBsn Offsite 'B'** (PRE)

FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	24 ft.	0.015	2.00%	7.40 in./hr.	7.40 in./hr.	----	0.73
UNPAVED	65 ft.		0.30%			0.88 fps	1.23
UNPAVED	468 ft.		0.50%			1.14 fps	6.84
					TOTAL TIME of CONCENTRATION =		8.79
					USE TOTAL TIME of CONCENTRATION =		10.00

11.21 Ac. (Basin 'B')
3.35 Ac (Basin 'B-1')
14.56 Ac (Roadway)

STATE OF FLORIDA · DEPARTMENT OF TRANSPORTATION	Post-Development Condition BASIN 'B'	JACOBS	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure B-2

Post-Development

Project	:	SR 15/600	**Design By:** MOL	**Date:**	4/25/11
Location	:	Seminole County, Florida	**Check By:** MS	**Date:**	
Project Number	:	24019613201			
Consultant	:	Jacobs			
Date	:	4/25/11			

Basin 'B' (Post-Development)

Total Area =	**14.01 ac**	**Average CN =**	**93.82**
Total Runoff =	**11.42 ac-ft**		

From Station =	731+80
To Station =	779+50

Proposed Roadway
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street, curbs, sidewalk	98	9.801	960
	D	Open space, fair condition	80	1.406	113
			Totals =	11.21	1073

CN (weighted) = total product / total area = 1072.973 / 11.207 = CN = **96**

Proposed Roadway
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	96	0.42

$$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$$

Runoff Depth (Qin) = 8.12 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff (Q) = **7.58 ac.-ft.**

Offsite Area (along SR 15/600)
Runoff Curve Number

Soil Name	Hydro. Group	Cover Description	CN	Area (ac)	(CN) * (Area)
	D	Paved street & curbs	98	0.95	93
	D	Open space, fair condition	80	1.85	148
	B	Open space, fair condition	80	0.00	0
			Totals =	2.80	241

CN (weighted) = total product / total area = 241.3014 / 2.802 = CN = **86**

Offsite Area (along SR 15/600)
25 yr/24 hour Runoff Depth

Rainfall (in) 'P'	CN	S
8.6	86	1.63

$$Q(in) = \frac{(P - 0.2 * S)^2}{(P + 0.8 * S)}$$

Runoff Depth (Q) = 6.91 in.

Q(ac-ft) = Q(in)/12 * total area

Runoff Depth (Q) = **1.61 ac.-ft.**

11.21 Ac. Basin 'B'
+ 3.35 Ac. Basin 'B1' (See Pre-Post Development Soil Infiltration Calculations)
14.56 Ac Total

Time of Concentration

Project:	SR 15/600	**Design By:**	HDT	**Date:**	3/23/11
Location:	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number:	24019613201				
Consultant:	Jacobs				
Date:	3/23/11				

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **PAVEMENT**

"n"	LAND USE
0.015	PAVEMENT
0	BARE SOIL
	POOR GRASS
.40	AVE. GRASS
	or LAWNS
0.60	DENSE GRASS
	or WOODLANDS
0.80	THICK FOREST

SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = $V_{unpaved}$, V_{pave}, V_{pipe}, V_{ditch}

$V_{unpaved}$ = 16.1345 x (S)^0.5; where S = Slope in ft./ft.

V_{paved} = 20.3282 x (S)^0.5; where S = Slope in ft./ft.

V_{pipe} = 2.5 fps (Assumed Velocity)

V_{ditch} = 1.0 fps (Assumed Velocity)

Basin : **Shepard Road**

FLOW TYPE	LENGTH	'n'	SLOPE	RAINFALL (iterative) Elev. Upstm.	INTENSITY(in) (calculated) Elev. Dnstm.	VELOCITY	TIME (minutes)
OVERLAND	45 ft.	.15	2.00%	7.40 in./hr.	7.40 in./hr.	----	1.07
PAVED	200 ft.		0.30%			1.11 fps	2.99
PIPE FLOW	1,500					2.50 fps	10.00
					TOTAL TIME of CONCENTRATION =		14.06
					USE TOTAL TIME of CONCENTRATION =		14.10

See SS Tabulation Form

T_c NETWORK 'B-S' = 36.25 MIN
+ 0.21 MIN (to CHECK)
36.46 MIN.

Water Quality Treatment

Project :	SR 15/600	**Design By:**	HDT	**Date:**	3/31/11
Location :	Seminole County, Florida	**Check By:**	MBS	**Date:**	
Project Number :	CD200230				
Consultant :	Jacobs				
Date :	3/31/11				

Treatment for proposed development Basin 'B' (Post-Development)

DRY - DETENTION TREATMENT MECHANISM

Drainage Structure/ Basin ID	Drainage Area (Ac)	Impervious Area (Ac)	Pervious Area (Ac)	Percent Impervious (%)	1/2-Inch of Runoff (Ac-Ft)	1.25 Inches On Imperv. Area (Ac-Ft)	Additional Treatment OFW (Ac-Ft)
Proposed Roadway	11.21	9.80	1.41	87.5%	0.47	1.02	1.53
B1 - S-277	0.88	0.75	0.12	86.1%	0.04	0.08	0.12
B2 - S-280	1.00	0.91	0.09	91.1%	0.04	0.09	0.14
B3 - S-283	0.36	0.15	0.20	42.8%	0.01	0.02	0.02
B4 - S-285	1.12	0.91	0.22	80.7%	0.05	0.09	0.14
Total	14.56	12.52	2.04	- - -	0.61	1.30	1.96

Required Water Quality Volume = 1.96 ***Ac-Ft***

SR 15/600 Water Quality Volume Required = 1.96 ***Ac-Ft***

TOTAL REQUIRED TREATMENT VOLUME = 1.96 ***Ac-Ft***

Treatment Volume Provided in Exfiltration Trenches B-1 to B-4 = 16,398.11 cu. ft.
Treatment Volume Provided in Exfiltration Trenches B-1 to B-4 = 0.376 ac.-ft.

REMAINDER IS TREATED IN THE SEMINOLE COUNTY REGIONAL POND PROPOSED.

JACOBS

Made by: HDT Checked by:
Date: 31-Mar-11 Time: 4:24 PM
Project No.: 240196-1-32-01

SR 15/600 - Seminole County, Florida
AREA TAKE-OFF - Pre & Post

BASIN 'B1' - EXISTING BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Ex. AREA imperv.	Ex. AREA perv.	COMMENTS
Basin 'B1'	767+00.00	780+00.00	3.35 ac.	2.33 ac.	1.03 ac.	Existing Roadway draining into existing SS system along Bargain Blvd.
		TOTALS =	3.35 ac.	2.33 ac.	1.03 ac.	

BASIN 'B' - PROPOSED BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
Basin 'B1'	767+00.00	780+00.00	3.35 ac.	2.72 ac.	0.63 ac.	Proposed Roadway draining into Exfiltration Trench.
		TOTALS =	3.35 ac.	2.72 ac.	0.63 ac.	

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
3.35 ac.	2.72 ac.	0.63 ac.	Proposed Roadway draining into Exfiltration Trench.

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
3.35 ac.	2.72 ac.	0.63 ac.	Proposed Roadway draining into Exfiltration Trench.

1.25 " over AREA impervious =	0.284 ac.-ft.	12,357.0 CU. FT.
0.50 " over AREA Total =	0.140 ac.-ft.	6,081.0 CU. FT.
TREATMENT VOLUME =	0.284 ac.-ft.	12,357.0 CU. FT.
OFW REQUIRED TREATMENT VOLUME =	0.426 ac.-ft.	18,535.0 CU. FT.
USE TREATMENT VOLUME =	**0.426 ac.-ft.**	**18,535.0 CU. FT.**

JACOBS

Made by: HDT | Checked by
Date: 02-May-11 | Time: 8:18 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

GEOTECHNICAL FIELD DATA

STRATUM	DESCRIPTION	PERMEABILITY, K	ESTIMATED SOIL POROSITY	SAFETY FACTOR	Kvs = K x 3600/2.54/FS	Kvu = 2/3 x Kvs	Kh = 1.5 x Kvu
FD-1	A-2-6	0.0035 cm/sec.	20.00%	2	2.5 in/hr	1.7 in/hr	2.5 in/hr
FD-5	A-2-4	0.0035 cm/sec.	20.00%	2	2.5 in/hr	1.7 in/hr	2.5 in/hr
				OVERALL Kvu = MEAN Kvu =		1.7 in/hr or	3.3 ft./day
				OVERALL Kh = MEAN Kh =		2.5 in/hr or	5.0 ft./day

EXFILTRATION TRENCH DESIGN

EXFILTRATION TRENCH DESIGN where: OVERALL Kvu = AVERAGE(Kvu's)

TRENCH NUMBER	TRENCH BEGINNING STATION	TRENCH ENDING STATION	TRENCH LENGTH	TRENCH WIDTH	TRENCH HEIGHT	TRENCH 'f'	TRENCH * BOTTOM EL.	SEASONAL HIGH WT
B1 - S-277	767+11.00	769+90.00	263.00 FT.	9.00 FT.	3.00 FT.	0.450	37.00 FT.	36.00 FT.
B2 - S-280	770+00.00	772+00.00	184.00 FT.	7.00 FT.	4.00 FT.	0.450	40.00 FT.	38.00 FT.
B3 - S-283	772+63.00	774+80.00	201.00 FT.	6.00 FT.	5.00 FT.	0.450	44.00 FT.	38.00 FT.
B4 - S-285	775+00.00	779+00.00	384.00 FT.	6.00 FT.	5.00 FT.	0.450	48.00 FT.	38.00 FT.

TRENCH NUMBER	NUMBER of PIPE(S)	PIPE DIAMETER	PIPE CROSS SECTIONAL AREA	VOLUME IN PIPE(S)	TRENCH AREA	TRENCH VOLUME = AREAtrench x LENGTH trench	Actual Trench Volume = (VOL.trench - VOL.pipe) x Trench 'f'	TOTAL EXFILT. TRENCH VOLUME = Actual Trench Volume + Pipe Volume
B1 - S-277	1	24 IN.	3.14 SQ.FT.	826.2 Cu-Ft.	2,367.00 SQ.FT.	7,101.0 Cu-Ft.	2,823.6 Cu-Ft.	3,649.9 Cu-Ft.
B2 - S-280	1	30 IN.	4.91 SQ.FT.	903.2 Cu-Ft.	1,288.00 SQ.FT.	5,152.0 Cu-Ft.	1,912.0 Cu-Ft.	2,815.2 Cu-Ft.
B3 - S-283	1	30 IN.	4.91 SQ.FT.	986.7 Cu-Ft.	1,206.00 SQ.FT.	6,030.0 Cu-Ft.	2,269.5 Cu-Ft.	3,256.2 Cu-Ft.
B4 - S-285	1	36 IN.	7.07 SQ.FT.	2,714.3 Cu-Ft.	2,304.00 SQ.FT.	11,520.0 Cu-Ft.	3,962.5 Cu-Ft.	6,676.9 Cu-Ft.
						CUMULATIVE EXFILTRATION TRENCH VOLUME		16,398.1 Cu-Ft.

* TRENCH BOTTOM ELEVATIONS ARE SET FOR COMPUTATIONAL PURPOSE, HOWEVER TRENCHES WILL BE CONSTRUCTED AS DETAILED IN THE FDOT STANDARD INDEX 285.

PROJECT: **SR 15/600 - Seminole County, Florida**

EXFILTRATION TRENCH DESIGN (continued)

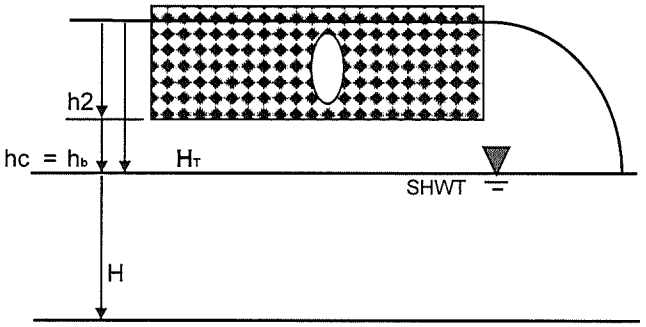
The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: B1 - S-277

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	36.00 ft.
TRENCH BOTTOM ELEVATION =	37.00 ft.
TRENCH TOP ELEVATION =	40.00 ft.
TOTAL TRENCH HEIGHT =	3.00 ft.
ELEVATION @ AQUIFER DEPTH =	16.00 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	0.20
TRENCH LENGTH =	263.00 ft.
TRENCH WIDTH =	9.00 ft.
Vu = L*W*f*hb =	473.4 Cu-Ft.
Kvu =	3.3 ft./day
Id = Kvu / 2 =	1.67
t saturation = hb * f / Id =	**0.12 Days**
Beginning Stage =	40.00 ft.
Total Volume =	3,649.9 Cu-Ft.
Remaining Volume = Total Volume - Vu =	3,176.5 Cu-Ft.
Remaining Stage =	39.56 ft.
hc =	1.00 ft.
h2 =	2.56 ft.
HT = hb+h2 =	3.56 ft.
Fy = hc / HT =	0.28
L / W =	29.22
Fx =	0.55
H = SHWT - top of aquiclude =	20.00 ft.
D = H + hc / 2 =	20.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.65 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20. The actual f = 0.25 which means the design calculations are conservative.

t saturation = hb * f / Id =	0.12 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.65 Days
Total Days =	**0.77 Days**



BOTTOM OF THE AQUIFER

VOLUME	STAGE	VOLUME (ac-ft)
0.0 Cu-Ft.	37.00 ft.	0.0000 ac.-ft.
168.2 Cu-Ft.	37.16 ft.	0.0039 ac.-ft.
336.4 Cu-Ft.	37.32 ft.	0.0077 ac.-ft.
504.5 Cu-Ft.	37.47 ft.	0.0116 ac.-ft.
685.5 Cu-Ft.	37.63 ft.	0.0157 ac.-ft.
881.5 Cu-Ft.	37.79 ft.	0.0202 ac.-ft.
1,085.0 Cu-Ft.	37.95 ft.	0.0249 ac.-ft.
1,293.3 Cu-Ft.	38.11 ft.	0.0297 ac.-ft.
1,504.8 Cu-Ft.	38.26 ft.	0.0345 ac.-ft.
1,718.0 Cu-Ft.	38.42 ft.	0.0394 ac.-ft.
1,931.8 Cu-Ft.	38.58 ft.	0.0443 ac.-ft.
2,145.1 Cu-Ft.	38.74 ft.	0.0492 ac.-ft.
2,356.6 Cu-Ft.	38.89 ft.	0.0541 ac.-ft.
2,564.9 Cu-Ft.	39.05 ft.	0.0589 ac.-ft.
2,768.4 Cu-Ft.	39.21 ft.	0.0636 ac.-ft.
2,964.4 Cu-Ft.	39.37 ft.	0.0681 ac.-ft.
3,145.3 Cu-Ft.	39.53 ft.	0.0722 ac.-ft.
3,313.5 Cu-Ft.	39.68 ft.	0.0761 ac.-ft.
3,481.7 Cu-Ft.	39.84 ft.	0.0799 ac.-ft.
3,649.9 Cu-Ft.	40.00 ft.	0.0838 ac.-ft.

PROJECT: **SR 15/600 - Seminole County, Florida**

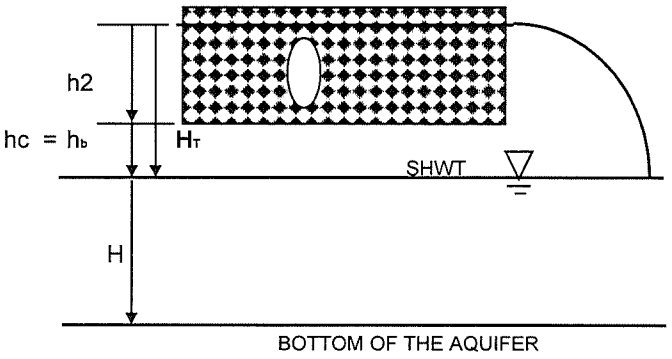
EXFILTRATION TRENCH DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: B2 - S-280

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	38.00 ft.
TRENCH BOTTOM ELEVATION =	40.00 ft.
TRENCH TOP ELEVATION =	44.00 ft.
TOTAL TRENCH HEIGHT =	4.00 ft.
ELEVATION @ AQUIFER DEPTH =	18.00 ft.
hb =	2.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	0.40
TRENCH LENGTH =	184.00 ft.
TRENCH WIDTH =	7.00 ft.
Vu = L*W*f*hb =	515.2 Cu-Ft.
Kvu =	3.3 ft./day
Id = Kvu / 2 =	1.67
t saturation = hb * f / Id =	**0.24 Days**
Total Volume =	2,815.2 Cu-Ft.
Remaining Volume =	2,300.0 Cu-Ft.
Remaining Stage =	42.95 ft.
hc =	2.00 ft.
h2 =	2.95 ft.
HT = hb+h2 =	4.95 ft.
Fy = hc / HT =	0.40
L / W =	26.29
Fx =	0.50
H = SHWT - top of aquiclude =	20.00 ft.
D = H + hc / 2 =	21.00 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.70 Days**
t saturation = hb * f / Id =	0.24 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.70 Days
Total Days =	**0.94 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20. The actual f = 0.25 which means the design calculations are conservative.



VOLUME	STAGE	VOLUME (ac-ft)
0.0 Cu-Ft.	40.00 ft.	0.0000 ac.-ft.
122.0 Cu-Ft.	40.21 ft.	0.0028 ac.-ft.
244.0 Cu-Ft.	40.42 ft.	0.0056 ac.-ft.
376.1 Cu-Ft.	40.63 ft.	0.0086 ac.-ft.
529.0 Cu-Ft.	40.84 ft.	0.0121 ac.-ft.
691.7 Cu-Ft.	41.05 ft.	0.0159 ac.-ft.
860.5 Cu-Ft.	41.26 ft.	0.0198 ac.-ft.
1,033.2 Cu-Ft.	41.47 ft.	0.0237 ac.-ft.
1,207.9 Cu-Ft.	41.68 ft.	0.0277 ac.-ft.
1,383.1 Cu-Ft.	41.89 ft.	0.0318 ac.-ft.
1,557.2 Cu-Ft.	42.11 ft.	0.0357 ac.-ft.
1,728.7 Cu-Ft.	42.32 ft.	0.0397 ac.-ft.
1,895.6 Cu-Ft.	42.53 ft.	0.0435 ac.-ft.
2,055.2 Cu-Ft.	42.74 ft.	0.0472 ac.-ft.
2,202.5 Cu-Ft.	42.95 ft.	0.0506 ac.-ft.
2,327.1 Cu-Ft.	43.16 ft.	0.0534 ac.-ft.
2,449.1 Cu-Ft.	43.37 ft.	0.0562 ac.-ft.
2,571.1 Cu-Ft.	43.58 ft.	0.0590 ac.-ft.
2,693.1 Cu-Ft.	43.79 ft.	0.0618 ac.-ft.
2,815.2 Cu-Ft.	44.00 ft.	0.0646 ac.-ft.

PROJECT: **SR 15/600 - Seminole County, Florida**

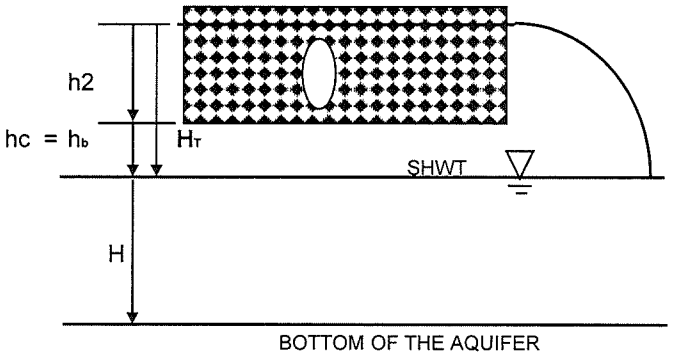
EXFILTRATION TRENCH DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: B3 - S-283

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	38.00 ft.
TRENCH BOTTOM ELEVATION =	44.00 ft.
TRENCH TOP ELEVATION =	49.00 ft.
TOTAL TRENCH HEIGHT =	5.00 ft.
ELEVATION @ AQUIFER DEPTH =	21.00 ft.
hb =	6.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	1.20
TRENCH LENGTH =	201.00 ft.
TRENCH WIDTH =	6.00 ft.
Vu = L*W*f*hb =	1,447.2 Cu-Ft.
Kvu =	3.3 ft./day
Id = Kvu / 2 =	1.67
t saturation = hb * f / Id =	**0.72 Days**
Total Volume =	3,256.2 Cu-Ft.
Remaining Volume =	1,809.0 Cu-Ft.
Remaining Stage =	46.37 ft.
hc =	6.00 ft.
h2 =	2.37 ft.
HT = hb+h2 =	8.37 ft.
Fy = hc / HT =	0.72
L / W =	33.50
Fx =	0.50
H = SHWT - top of aquiclude =	17.00 ft.
D = H + hc / 2 =	20.00 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.54 Days**
t saturation = hb * f / Id =	0.72 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.54 Days
Total Days =	**1.26 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20. The actual f = 0.25 which means the design calculations are conservative.



VOLUME	STAGE	VOLUME (ac-ft)
0.0 Cu-Ft.	44.00 ft.	0.0000 ac.-ft.
142.8 Cu-Ft.	44.26 ft.	0.0033 ac.-ft.
286.6 Cu-Ft.	44.53 ft.	0.0066 ac.-ft.
463.5 Cu-Ft.	44.79 ft.	0.0106 ac.-ft.
660.4 Cu-Ft.	45.05 ft.	0.0152 ac.-ft.
867.9 Cu-Ft.	45.32 ft.	0.0199 ac.-ft.
1,081.1 Cu-Ft.	45.58 ft.	0.0248 ac.-ft.
1,296.5 Cu-Ft.	45.84 ft.	0.0298 ac.-ft.
1,510.7 Cu-Ft.	46.11 ft.	0.0347 ac.-ft.
1,720.3 Cu-Ft.	46.37 ft.	0.0395 ac.-ft.
1,921.1 Cu-Ft.	46.63 ft.	0.0441 ac.-ft.
2,105.8 Cu-Ft.	46.89 ft.	0.0483 ac.-ft.
2,256.5 Cu-Ft.	47.16 ft.	0.0518 ac.-ft.
2,399.3 Cu-Ft.	47.42 ft.	0.0551 ac.-ft.
2,542.1 Cu-Ft.	47.68 ft.	0.0584 ac.-ft.
2,684.9 Cu-Ft.	47.95 ft.	0.0616 ac.-ft.
2,827.7 Cu-Ft.	48.21 ft.	0.0649 ac.-ft.
2,970.5 Cu-Ft.	48.47 ft.	0.0682 ac.-ft.
3,113.3 Cu-Ft.	48.74 ft.	0.0715 ac.-ft.
3,256.2 Cu-Ft.	49.00 ft.	0.0748 ac.-ft.

JACO

Made by: HDT | Checked by:
Date: 02-May-11 | Time: 8:18 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

EXFILTRATION TRENCH DESIGN (continued)

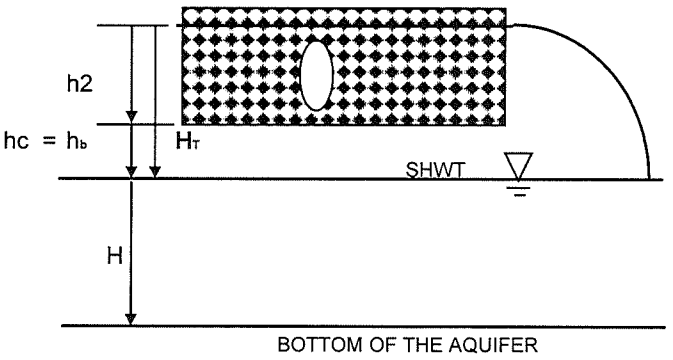
The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: B4 - S-285

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	38.00 ft.
TRENCH BOTTOM ELEVATION =	48.00 ft.
TRENCH TOP ELEVATION =	53.00 ft.
TOTAL TRENCH HEIGHT =	5.00 ft.
ELEVATION @ AQUIFER DEPTH =	21.00 ft.
hb =	10.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	2.00
TRENCH LENGTH =	384.00 ft.
TRENCH WIDTH =	6.00 ft.
Vu = L*W*f*hb =	4,608.0 Cu-Ft.
Kvu =	3.3 ft./day
Id = Kvu / 2 =	1.67
t saturation = hb * f / Id =	**1.20 Days**
Total Volume =	6,676.9 Cu-Ft.
Remaining Volume =	2,068.9 Cu-Ft.
Remaining Stage =	49.32 ft.
hc =	10.00 ft.
h2 =	1.32 ft.
HT = hb+h2 =	11.32 ft.
Fy = hc / HT =	0.88
L / W =	64.00
Fx =	0.50
H = SHWT - top of aquiclude =	17.00 ft.
D = H + hc / 2 =	22.00 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.49 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20. The actual f = 0.25 which means the design calculations are conservative.

t saturation = hb * f / Id =	1.20 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.49 Days
Total Days =	**1.69 Days**



VOLUME	STAGE	VOLUME (ac-ft)
0.0 Cu-Ft.	48.00 ft.	0.0000 ac.-ft.
272.8 Cu-Ft.	48.26 ft.	0.0063 ac.-ft.
547.8 Cu-Ft.	48.53 ft.	0.0126 ac.-ft.
892.3 Cu-Ft.	48.79 ft.	0.0205 ac.-ft.
1,280.3 Cu-Ft.	49.05 ft.	0.0294 ac.-ft.
1,692.7 Cu-Ft.	49.32 ft.	0.0389 ac.-ft.
2,120.3 Cu-Ft.	49.58 ft.	0.0487 ac.-ft.
2,556.5 Cu-Ft.	49.84 ft.	0.0587 ac.-ft.
2,995.8 Cu-Ft.	50.11 ft.	0.0688 ac.-ft.
3,433.1 Cu-Ft.	50.37 ft.	0.0788 ac.-ft.
3,862.9 Cu-Ft.	50.63 ft.	0.0887 ac.-ft.
4,278.9 Cu-Ft.	50.89 ft.	0.0982 ac.-ft.
4,672.8 Cu-Ft.	51.16 ft.	0.1073 ac.-ft.
5,029.1 Cu-Ft.	51.42 ft.	0.1155 ac.-ft.
5,312.7 Cu-Ft.	51.68 ft.	0.1220 ac.-ft.
5,585.5 Cu-Ft.	51.95 ft.	0.1282 ac.-ft.
5,858.4 Cu-Ft.	52.21 ft.	0.1345 ac.-ft.
6,131.2 Cu-Ft.	52.47 ft.	0.1408 ac.-ft.
6,404.0 Cu-Ft.	52.74 ft.	0.1470 ac.-ft.
6,676.9 Cu-Ft.	53.00 ft.	0.1533 ac.-ft.

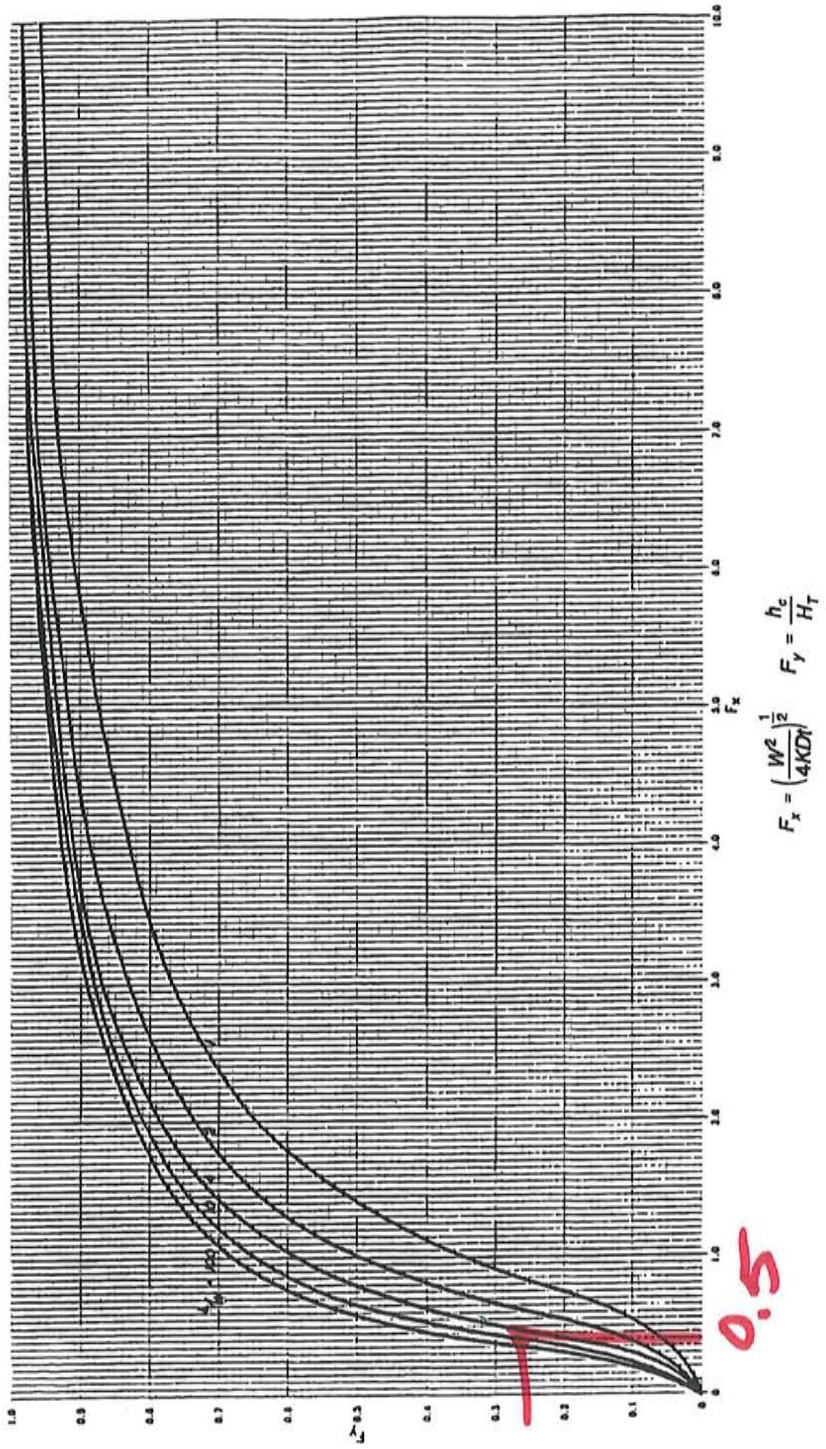
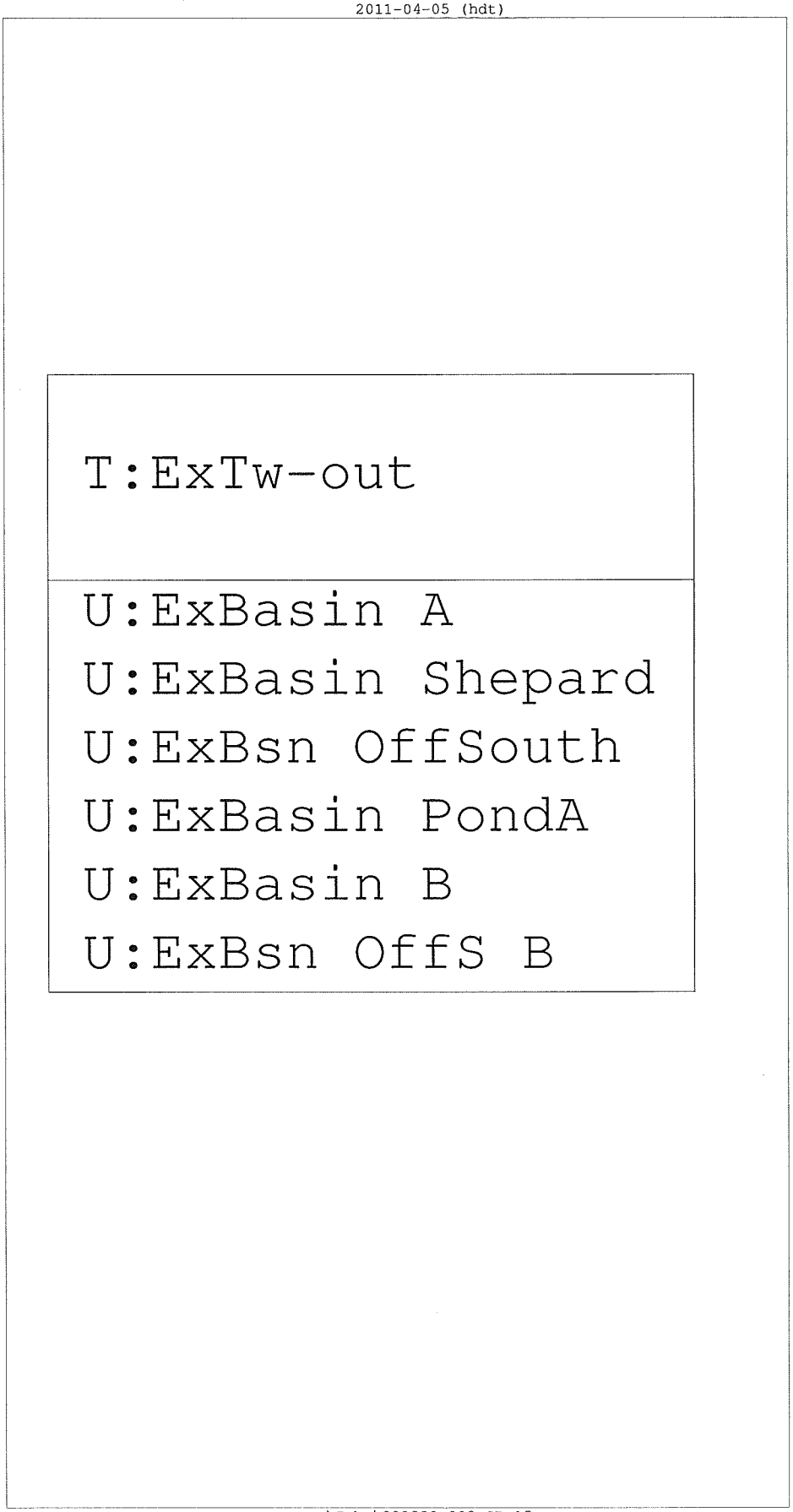


Figure 26-6. Dimensionless Curves Relating Basin Design Parameters to Basin Water Level in a Rectangular Retention Basin Over an Unconfined Aquifer ($f = 0.2$) (Source: Andreyev and Wiseman, 1989).

Nodes
A Stage/Area
: Stage/Volume
_ Time/Stage
M Manhole

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

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



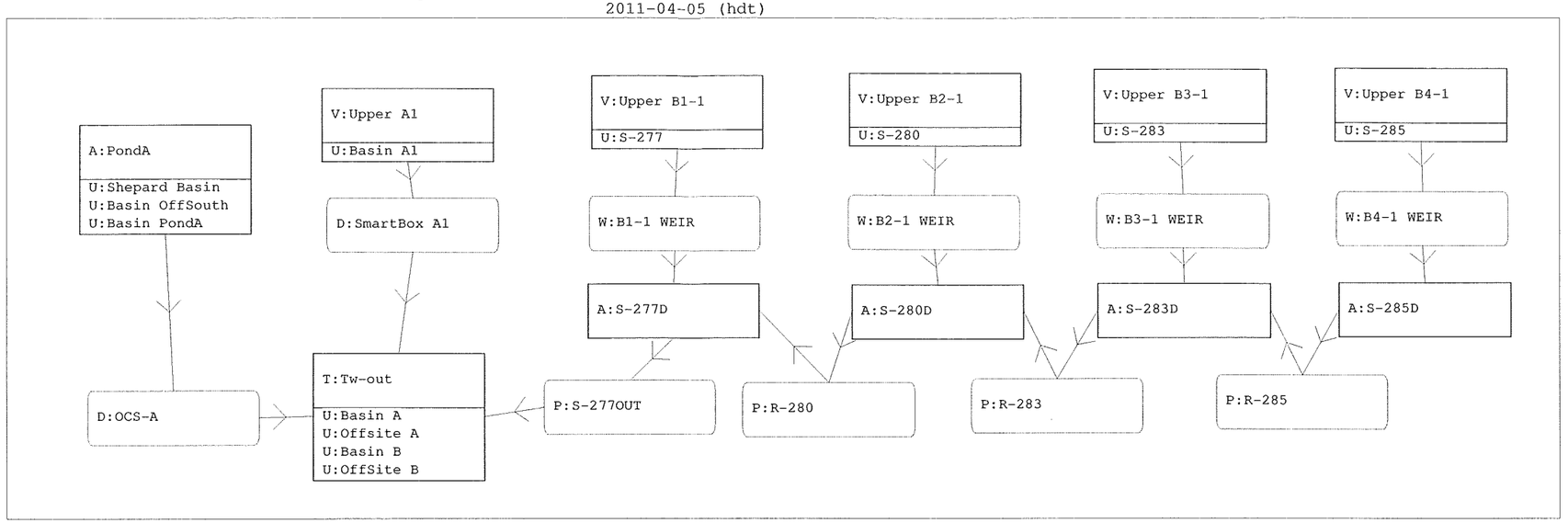
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Basins 'A' & 'B' Post-Development
Pond A Routing, Basin 'A' EXFILTRATION SYSTEMS & Basin 'B' EXFILTRATION SYSTEMS
2011-04-05 (hdt)

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

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

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



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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

Name: Basin A | Node: Tw-out | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 | Time of Conc(min): 28.59
Area(ac): 21.480 | Time Shift(hrs): 0.00
Curve Number: 98.00 | Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Roadway contributing to the FDOT R/W that does not outfall into Pond A but is still part of Basin A & outfalls to Soldier's Creek.
Tc is obtained from the GEOPAK Drainage analysis of Network 'A2'; it's 28.53+0.06 = 28.59 minutes.

Name: Basin A1 | Node: Upper A1 | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 | Time of Conc(min): 10.00
Area(ac): 1.300 | Time Shift(hrs): 0.00
Curve Number: 96.48 | Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Roadway contributing to the FDOT R/W to TRENCH A1-1 & A1-2 & outfalls to Soldier's Creek.
S-119 & S-124 + S-127 + S130 = 1.30 Acres.
Tc is obtained from the GEOPAK Drainage analysis of ihnlet S-127 in Network 'A1' & is = 10.00 minutes.

Name: Basin B | Node: Tw-out | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 | Time of Conc(min): 36.46
Area(ac): 11.210 | Time Shift(hrs): 0.00
Curve Number: 96.00 | Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Basin B is the proposed roadway right-of-way within Basin B.
Tc is obtained from the GEOPAK Drainage analysis of Network 'B-S' & is = 36.25+0.21 = 36.46 minutes.

Name: Basin OffSouth | Node: PondA | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 | Time of Conc(min): 73.00
Area(ac): 16.220 | Time Shift(hrs): 0.00
Curve Number: 84.00 | Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Offsite Area South of Shepard Road to Pond 'A'

Name: Basin PondA | Node: PondA | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 | Time of Conc(min): 10.00
Area(ac): 2.770 | Time Shift(hrs): 0.00
Curve Number: 86.00 | Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Pond 'A'

Name: ExBasin A | Node: ExTw-out | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 | Peaking Factor: 323.0
Rainfall File: Flmod | Storm Duration(hrs): 0.00

```
    Rainfall Amount(in): 0.000              Time of Conc(min): 38.40
              Area(ac): 34.200                Time Shift(hrs): 0.00
          Curve Number: 88.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Roadway Area


-------------------------------------------------------------------------------------------------------
         Name: ExBasin B                Node: ExTw-out                Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 32.40
              Area(ac): 14.560                 Time Shift(hrs): 0.00
          Curve Number: 88.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Basin B

-------------------------------------------------------------------------------------------------------
         Name: ExBasin PondA            Node: ExTw-out                Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 10.60
              Area(ac): 2.770                  Time Shift(hrs): 0.00
          Curve Number: 79.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Pond 'A'


-------------------------------------------------------------------------------------------------------
         Name: ExBasin Shepard          Node: ExTw-out                Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 34.70
              Area(ac): 2.550                  Time Shift(hrs): 0.00
          Curve Number: 91.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Shepard Road to Existing Outfall (Soldier's Creek).

-------------------------------------------------------------------------------------------------------
         Name: ExBsn OffS B             Node: ExTw-out                Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 10.00
              Area(ac): 2.800                  Time Shift(hrs): 0.00
          Curve Number: 86.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Offsite Area adjacent to Basin 'B' draining to Existing Soldier's Creek.
Tc Estimated at 10 minutes to Soldier's Creek.



-------------------------------------------------------------------------------------------------------
         Name: ExBsn OffSouth           Node: ExTw-out                Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 73.40
              Area(ac): 16.220                 Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Offsite Area South of Shepard Road to Existing Outfall (Soldier's Creek).



-------------------------------------------------------------------------------------------------------
         Name: Offsite A                Node: Tw-out                  Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                    Storm Duration(hrs): 0.00
```

Rainfall Amount(in): 0.000 Time of Conc(min): 38.34
Area(ac): 11.410 Time Shift(hrs): 0.00
Curve Number: 86.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Offsite areas contributing to the FDOT R/W that do not outfall into Pond A, but are still part of Basin A and outfall into Soldiers Creek.
Tc is obtained from the ASAD storm drain analysis of OFA-Left & is = 37.76+0.58 = 38.34 minutes.

Name: OffSite B Node: Tw-out Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 11.86
Area(ac): 2.800 Time Shift(hrs): 0.00
Curve Number: 86.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Offsite Area adjacent Basin 'B' drainin into Soldier's Creek.
Tc is obtained from the GEOPAK Drainage analysis of OFB-right Network & is 11.86 minutes.

Name: S-277 Node: Upper B1-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 11.63
Area(ac): 0.740 Time Shift(hrs): 0.00
Curve Number: 95.50 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

STRUCTURE S-277
STA. 767+11 RT
0.740 ACRES CONTRIBUTING TO THE TRENCH 'B1' WITH A Tc = 11.63 MINUTES.

Name: S-280 Node: Upper B2-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 11.40
Area(ac): 1.490 Time Shift(hrs): 0.00
Curve Number: 96.40 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

STRUCTURE S-280
STA. 770+00 LT
1.49 ACRES CONTRIBUTING TO THE TRENCH 'B2' WITH A Tc = 11.40 MINUTES.

Name: S-283 Node: Upper B3-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.360 Time Shift(hrs): 0.00
Curve Number: 87.70 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

STRUCTURE S-283
STA. 772+60 RT
0.36 ACRES CONTRIBUTING TO THE TRENCH 'B3' WITH A Tc = 10.0 MINUTES.

Name: S-285 Node: Upper B4-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 12.88
Area(ac): 1.124 Time Shift(hrs): 0.00
Curve Number: 94.50 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

STRUCTURE S-285
STA. 775+00 RT
1.124 ACRES CONTRIBUTING TO THE TRENCH 'B4' WITH A Tc = 12.88 MINUTES.

Name: Shepard Basin Node: PondA Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 31.50
Area(ac): 2.550 Time Shift(hrs): 0.00
Curve Number: 91.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Shepard Road to Pond 'A'

==== Nodes ====

Name: ExTw-out Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: BASE Warn Stage(ft): 17.500
Type: Time/Stage

Soldiers Creek - Using boundary stage data generated from TW elevations vs. Time

Time(hrs)	Stage(ft)
0.00	13.000
4.00	13.000
7.00	13.050
10.00	13.250
12.20	13.620
15.80	16.330
17.20	16.720
17.70	16.800
18.10	16.730
20.00	16.330
27.90	14.660
33.30	13.830
40.00	13.390
50.10	13.060
60.00	13.000
120.00	13.000

Name: PondA Base Flow(cfs): 0.000 Init Stage(ft): 30.000
Group: BASE Warn Stage(ft): 35.000
Type: Stage/Area

Proposed Pond 'A'

Stage(ft)	Area(ac)
30.000	0.8700
31.000	0.9400
32.000	1.0100
33.000	1.0800
34.000	1.1600
35.000	1.2400

Name: S-277D Base Flow(cfs): 0.000 Init Stage(ft): 36.400
Group: BASE Warn Stage(ft): 41.310
Type: Stage/Area

Stage(ft)	Area(ac)
36.000	0.0010
40.000	0.0011
42.000	0.0011

Name: S-280D Base Flow(cfs): 0.000 Init Stage(ft): 34.900
Group: BASE Warn Stage(ft): 46.010
Type: Stage/Area

Stage(ft)	Area(ac)
34.000	0.0010
40.000	0.0011
47.000	0.0011

Name: S-283D Base Flow(cfs): 0.000 Init Stage(ft): 40.400
Group: BASE Warn Stage(ft): 51.990
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.0010
45.000	0.0011
53.000	0.0011

Name: S-285D Base Flow(cfs): 0.000 Init Stage(ft): 48.000
Group: BASE Warn Stage(ft): 55.590
Type: Stage/Area

Stage(ft)	Area(ac)
45.000	0.0010
50.000	0.0011
55.000	0.0011

Name: Tw-out Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: BASE Warn Stage(ft): 17.500
Type: Time/Stage

Soldiers Creek - Using boundary stage data generated from TW elevations vs. Time

Time(hrs)	Stage(ft)
0.00	13.000
4.00	13.000
7.00	13.050
10.00	13.250
12.20	13.620
15.80	16.330
17.20	16.720
17.70	16.800
18.10	16.730
20.00	16.330
27.90	14.660
33.30	13.830
40.00	13.390
50.10	13.060
60.00	13.000
120.00	13.000

Name: Upper A1 Base Flow(cfs): 0.000 Init Stage(ft): 19.300
Group: BASE Warn Stage(ft): 25.000
Type: Stage/Volume

TRENCH A1- & A1-2
STA. 671+26 TO 674+46 & 67506 TO 678+88 LT
1.30 ACRES CONTRIBUTING TO THE TRENCHES WITH A Tc = 10 MINUTES.

Stage(ft)	Volume(af)
19.300	0.0000
19.563	0.0111
19.826	0.0223
20.090	0.0358
20.353	0.0506
20.616	0.0660
20.879	0.0816
21.142	0.0972
21.405	0.1123
21.668	0.1264
21.932	0.1383
22.195	0.1494
22.458	0.1605
22.721	0.1717
22.984	0.1828
23.247	0.1939
23.511	0.2050
23.774	0.2162
24.037	0.2273
24.300	0.2384
25.000	0.2384

Name: Upper B1-1 Base Flow(cfs): 0.000 Init Stage(ft): 36.300
Group: BASE Warn Stage(ft): 41.310
Type: Stage/Volume

STRUCTURE S-277
STA. 767+11 RT
0..88 ACRES CONTRIBUTING TO THE TRENCH 'B1' WITH A Tc = 11.63 MINUTES.

Stage(ft)	Volume(af)
36.000	0.0000
37.000	0.0010
37.158	0.0039
37.316	0.0077
37.474	0.0116
37.632	0.0157
37.789	0.0202
37.947	0.0249
38.105	0.0297
38.263	0.0345
38.421	0.0394
38.579	0.0443
38.737	0.0492
38.895	0.0541
39.053	0.0589
39.211	0.0636
39.368	0.0681
39.526	0.0722
39.684	0.0761
39.842	0.0799
40.000	0.0838
41.000	0.0838

Name: Upper B2-1 Base Flow(cfs): 0.000 Init Stage(ft): 41.900
Group: BASE Warn Stage(ft): 46.000
Type: Stage/Volume

SMART BOX IS IN STRUCTURE S-280
STA. 770+00 RT
1.49 ACRES CONTRIBUTING TO THE TRENCH 'B2' WITH A Tc = 11.40 MINUTES.

Stage(ft)	Volume(af)
39.000	0.0000
40.000	0.0010
40.211	0.0028
40.421	0.0056
40.632	0.0086
40.842	0.0121
41.053	0.0159
41.263	0.0198
41.474	0.0237
41.684	0.0277
41.895	0.0318
42.105	0.0357
42.316	0.0397
42.526	0.0435
42.737	0.0472
42.947	0.0506
43.158	0.0534
43.368	0.0562
43.579	0.0590
43.789	0.0618
44.000	0.0646
45.000	0.0646

Name: Upper B3-1 Base Flow(cfs): 0.000 Init Stage(ft): 45.900
Group: BASE Warn Stage(ft): 50.000
Type: Stage/Volume

STRUCTURE S-283
STA. 772+60 RT
0.36 ACRES CONTRIBUTING TO THE TRENCH 'B3' WITH A Tc = 10.0 MINUTES.

Stage(ft)	Volume(af)
43.000	0.0000
44.000	0.0010
44.263	0.0033
44.526	0.0066
44.789	0.0106

45.053	0.0152
45.316	0.0199
45.579	0.0248
45.842	0.0298
46.105	0.0347
46.368	0.0395
46.632	0.0441
46.895	0.0483
47.158	0.0518
47.421	0.0551
47.684	0.0584
47.947	0.0616
48.211	0.0649
48.474	0.0682
48.737	0.0715
49.000	0.0748
50.000	0.0748

Name: Upper B4-1 Base Flow(cfs): 0.000 Init Stage(ft): 45.900
Group: BASE Warn Stage(ft): 54.000
Type: Stage/Volume

STRUCTURE S-285
STA. 775+00 RT
1.124 ACRES CONTRIBUTING TO THE TRENCH 'B4' WITH A Tc = 12.88 MINUTES.

Stage(ft)	Volume(af)
45.000	0.0000
48.000	0.0010
48.263	0.0063
48.526	0.0126
48.789	0.0205
49.053	0.0294
49.316	0.0389
49.579	0.0487
49.842	0.0587
50.105	0.0688
50.368	0.0788
50.632	0.0887
50.895	0.0982
51.158	0.1073
51.421	0.1155
51.684	0.1220
51.947	0.1282
52.211	0.1345
52.474	0.1408
52.737	0.1470
53.000	0.1533
54.000	0.1533

==== Cross Sections ====

Name: Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

==== Pipes ====

Name: R-280 From Node: S-280D Length(ft): 286.00
Group: BASE To Node: S-277D Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	38.200	36.600
Manning's N:	0.012000	0.012000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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

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

Name:	R-283	From Node:	S-283D	Length(ft):	259.00
Group:	BASE	To Node:	S-280D	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.50
Rise(in):	18.00	18.00		Exit Loss Coef:	0.50
Invert(ft):	43.630	41.030		Bend Loss Coef:	0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

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

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

Name:	R-285	From Node:	S-285D	Length(ft):	233.00
Group:	BASE	To Node:	S-283D	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.50
Rise(in):	18.00	18.00		Exit Loss Coef:	0.50
Invert(ft):	49.980	47.860		Bend Loss Coef:	0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

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

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

Name:	S-277OUT	From Node:	S-277D	Length(ft):	9.00
Group:	BASE	To Node:	Tw-out	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	24.00	24.00		Entrance Loss Coef:	0.50
Rise(in):	24.00	24.00		Exit Loss Coef:	1.00
Invert(ft):	36.600	36.500		Bend Loss Coef:	0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

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

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

==== Drop Structures ====

Name:	OCS-A	From Node:	PondA	Length(ft):	67.00
Group:	BASE	To Node:	Tw-out	Count:	1
	UPSTREAM	DOWNSTREAM		Friction Equation:	Average Conveyance
Geometry:	Circular	Circular		Solution Algorithm:	Automatic
Span(in):	36.00	36.00		Flow:	Both
Rise(in):	36.00	36.00		Entrance Loss Coef:	0.500

Invert(ft):	29.100	29.000	Exit Loss Coef: 1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Solution Incs: 10

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

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

DBI Type 'E' with WEIR on 1- Side, span 1-ft. long from Elev. 32.00 to Elev. 35.20.
ORIFICE IS A 3.875 or 3-7/8" CAP WITH A 4" PVC ORIFICE PIPE.
DBI 'E' GRATE ELEVATION = 35.20

*** Weir 1 of 3 for Drop Structure OCS-A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Circular	Orifice Disc Coef:	0.600
Span(in):	3.88	Invert(ft):	29.500
Rise(in):	3.88	Control Elev(ft):	30.000

*** Weir 2 of 3 for Drop Structure OCS-A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	8.00	Invert(ft):	32.000
Rise(in):	38.40	Control Elev(ft):	32.000

*** Weir 3 of 3 for Drop Structure OCS-A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	54.00	Invert(ft):	35.200
Rise(in):	36.00	Control Elev(ft):	35.200

Name:	SmartBox A1	From Node: Upper A1	Length(ft): 120.00
Group:	BASE	To Node: Tw-out	Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	18.00	18.00	Solution Algorithm:	Most Restrictive
Rise(in):	18.00	18.00	Flow:	Both
Invert(ft):	21.800	15.300	Entrance Loss Coef:	0.500
Manning's N:	0.012000	0.012000	Exit Loss Coef:	0.500
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

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

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

USING AN 18" PIPE AS THE OUTFALL
THE COMBINATION OF TWO (2) SMALL AREAS YEILDING 1.30 ACRES AT A 10 MIN Tc
THE DISCHARGE STRUCTURES ARE S-119 AND S-124 BOTH WITH A 4' WEIR SMART BOX.
THE WEIRS ARE MODELED AS ACTING TOGETHER, THEREFORE THE WEIRS ARE ADDING UP TO 96" TOTAL.
THIS DISCHARGES TO SOLDIER'S CREEK.

*** Weir 1 of 1 for Drop Structure SmartBox A1 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	96.00	Invert(ft):	24.300
Rise(in):	14.90	Control Elev(ft):	24.300

==========
==== Weirs ==========
==========

```
         Name: B1-1 WEIR           From Node: Upper B1-1
        Group: BASE                  To Node: S-277D
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 10.22
                 Invert(ft): 40.000
       Control Elevation(ft): 40.000
                                        TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

FD TRENCH B1-1 TO S-277 DOWNSTREAM SIDE OF SMART BOX

-------------------------------------------------------------------------------------------------------------
         Name: B2-1 WEIR           From Node: Upper B2-1
        Group: BASE                  To Node: S-280D
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 18.62
                 Invert(ft): 44.000
       Control Elevation(ft): 44.000
                                        TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

FD TRENCH B2-1 TO S-280 DOWNSTREAM SIDE OF SMART BOX

-------------------------------------------------------------------------------------------------------------
         Name: B3-1 WEIR           From Node: Upper B3-1
        Group: BASE                  To Node: S-283D
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 30.38
                 Invert(ft): 49.000
       Control Elevation(ft): 49.000
                                        TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

FD TRENCH B3-1 TO S-283 DOWNSTREAM SIDE OF SMART BOX

-------------------------------------------------------------------------------------------------------------
         Name: B4-1 WEIR           From Node: Upper B4-1
        Group: BASE                  To Node: S-285D
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 25.58
                 Invert(ft): 53.000
       Control Elevation(ft): 53.000
                                        TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

FD TRENCH B4-1 TO S-285 DOWNSTREAM SIDE OF SMART BOX

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

         Name: 002Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y001H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.25

Time(hrs)       Print Inc(min)
```

2.000	2.50

Name: 002Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 2.70

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 002Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 3.25

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 002Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 3.70

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 002Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y024H.R32

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

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 002Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 5.80

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 002Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 7.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 002Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 8.20

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 005Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 005Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 005Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.13

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 005Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.73

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 005Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 005Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.63

Time(hrs)	Print Inc(min)

77.000 5.00

Name: 005Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 005Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 010Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.05

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 010Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.68

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 010Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.43

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 010Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y024H.R32

Override Defaults: Yes

Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.25

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.83

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 010Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 11.25

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 010Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 12.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 025Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.45

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 025Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.45

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 025Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y008H.R32

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

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 025Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y024H.R32

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

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 025Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 10.58

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 025Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 13.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 025Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 14.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 050Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.82

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00

Rainfall File: FDOT-2
Rainfall Amount(in): 4.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 050Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.98

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 050Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.13

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 050Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.30

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 050Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 11.95

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 050Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 14.70

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 050Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 16.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 100Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.18

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 100Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.53

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 100Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.87

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 100Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.75

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 100Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168

Rainfall Amount(in): 16.80

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 100Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 18.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 3Yr24Hr
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\3Yr24Hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)
120.000	15.00

Name: SJR25Y24H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\SJR25Y24H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
120.000	15.00

Name: SJRMean
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\SJRMean.R32

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

Time(hrs)	Print Inc(min)
30.000	15.00

==========

==== Routing Simulations ====

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Name: 002Y001H Hydrology Sim: 002Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y001H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 2y24h Boundary Flows:

002 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

```
---------------------------------------------------------------------------------------------------
         Name: 002Y002H            Hydrology Sim: 002Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y002H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 4.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 2y24h                   Boundary Flows:

002 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 002Y004H            Hydrology Sim: 002Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y004H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 6.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 2y24h                   Boundary Flows:

002 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 002Y008H            Hydrology Sim: 002Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y008H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 2y24h                   Boundary Flows:

002 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 002Y024H            Hydrology Sim: 002Y024H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y024H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 2y24h                   Boundary Flows:
```

002 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y072H Hydrology Sim: 002Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 2y72h Boundary Flows:

002 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y168H Hydrology Sim: 002Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 2y7dy Boundary Flows:

002 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 002Y240H Hydrology Sim: 002Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\002Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 2y10dy Boundary Flows:

002 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y001H Hydrology Sim: 005Y001H

Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y001H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y24h Boundary Flows:

005 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y002H Hydrology Sim: 005Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y002H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y24h Boundary Flows:

005 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y004H Hydrology Sim: 005Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y004H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y24h Boundary Flows:

005 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y008H Hydrology Sim: 005Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y008H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y24h Boundary Flows:

005 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y024H Hydrology Sim: 005Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y24h Boundary Flows:

005 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y072H Hydrology Sim: 005Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y72h Boundary Flows:

005 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y168H Hydrology Sim: 005Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 5y7dy Boundary Flows:

005 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y240H Hydrology Sim: 005Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\005Y240H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 245.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 5y10dy                  Boundary Flows:

005 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y001H           Hydrology Sim: 010Y001H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y001H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 10y24h                  Boundary Flows:

010 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y002H           Hydrology Sim: 010Y002H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y002H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 4.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 10y24h                  Boundary Flows:

010 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y004H           Hydrology Sim: 010Y004H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y004H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 6.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 10y24h                  Boundary Flows:

010 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
```

999.000 5.000

Group	Run
BASE	Yes

Name: 010Y008H Hydrology Sim: 010Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y008H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 10y24h Boundary Flows:

010 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y024H Hydrology Sim: 010Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 10y24h Boundary Flows:

010 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y072H Hydrology Sim: 010Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 10y72h Boundary Flows:

010 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y168H Hydrology Sim: 010Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y168H.I32

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

```
       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 10y7dy                  Boundary Flows:

010 yr / 168 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 010Y240H            Hydrology Sim: 010Y240H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\010Y240H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 10y10dy                 Boundary Flows:

010 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 025Y001H            Hydrology Sim: 025Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y001H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 25y24h                  Boundary Flows:

025 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 025Y002H            Hydrology Sim: 025Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y002H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 4.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 25y24h                  Boundary Flows:

025 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000
```

Group	Run
BASE	Yes

Name: 025Y004H Hydrology Sim: 025Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y004H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 25y24h Boundary Flows:

025 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y008H Hydrology Sim: 025Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y008H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 25y24h Boundary Flows:

025 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y024H Hydrology Sim: 025Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 25y24h Boundary Flows:

025 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y072H Hydrology Sim: 025Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500

```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 77.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 25y72h                 Boundary Flows:

025 yr / 072 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 025Y168H            Hydrology Sim: 025Y168H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y168H.I32

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

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 25y7dy                 Boundary Flows:

025 yr / 168 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 025Y240H            Hydrology Sim: 025Y240H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\025Y240H.I32

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

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 25y10dy                Boundary Flows:

025 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 050Y001H            Hydrology Sim: 050Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y001H.I32

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

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 2.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 50y24h                 Boundary Flows:

050 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
```

BASE Yes

Name: 050Y002H Hydrology Sim: 050Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y002H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 50y24h Boundary Flows:

050 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y004H Hydrology Sim: 050Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y004H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 6.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 50y24h Boundary Flows:

050 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y008H Hydrology Sim: 050Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y008H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 50y24h Boundary Flows:

050 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y024H Hydrology Sim: 050Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00

```
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 50y24h                 Boundary Flows:

050 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
         Name: 050Y072H            Hydrology Sim: 050Y072H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y072H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 77.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 50y72h                 Boundary Flows:

050 yr / 072 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
         Name: 050Y168H            Hydrology Sim: 050Y168H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y168H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 50y7dy                 Boundary Flows:

050 yr / 168 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
         Name: 050Y240H            Hydrology Sim: 050Y240H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\050Y240H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: 50y10dy                Boundary Flows:

050 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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

```
---------------------------------------------------------------------------------------------------
         Name: 100Y001H            Hydrology Sim: 100Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y001H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 2.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 100y24h                 Boundary Flows:

100 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 100Y002H            Hydrology Sim: 100Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y002H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 4.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 100y24h                 Boundary Flows:

100 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 100Y004H            Hydrology Sim: 100Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y004H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 6.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 100y24h                 Boundary Flows:

100 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


---------------------------------------------------------------------------------------------------
         Name: 100Y008H            Hydrology Sim: 100Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y008H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 12.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages: 100y24h                 Boundary Flows:
```

100 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y024H Hydrology Sim: 100Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 100y24h Boundary Flows:

100 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y072H Hydrology Sim: 100Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 100y72h Boundary Flows:

100 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y168H Hydrology Sim: 100Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 100y7dy Boundary Flows:

100 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y240H Hydrology Sim: 100Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\100Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: 100y10dy Boundary Flows:

100 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 3Yr24Hr Hydrology Sim: 3Yr24Hr
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\3Yr24Hr.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: 3y24h Boundary Flows:

For Stormsewer TW elevation

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Name: SJR25Y24H Hydrology Sim: SJR25Y24H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\SJR25Y24H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: 25y24h Boundary Flows:

St. Johns River Water Management District 25-Yr/24-Hr Design Storm Event

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Name: SJRMean Hydrology Sim: SJRMean
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\BASIN A ICPR\POST\SJRMean.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: 3y24h Boundary Flows:

St. Johns River Water Management District Mean Annual Event

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Boundary Conditions

Name: 2y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.030
10.000	13.140
12.200	13.340
15.800	14.840
17.200	15.050
17.700	15.100
18.100	15.060
20.000	14.840
27.900	13.920
33.300	13.460
40.000	13.210
50.100	13.030
60.000	13.000
120.000	13.000

Name: 5y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.040
10.000	13.180
12.200	13.450
15.800	15.410
17.200	15.690
17.700	15.750
18.100	15.700
20.000	15.410
27.900	14.200
33.300	13.600
40.000	13.280
50.100	13.040
60.000	13.000
120.000	13.000

Name: 3y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.030
10.000	13.160
12.200	13.390
15.800	15.100
17.200	15.350
17.700	15.400
18.100	15.360
20.000	15.100
27.900	14.050
33.300	13.530
40.000	13.250
50.100	13.040
60.000	13.000
120.000	13.000

Name: 10y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000

4.000	13.000
7.000	13.040
10.000	13.210
12.200	13.530
15.800	15.800
17.200	16.130
17.700	16.200
18.100	16.140
20.000	15.800
27.900	14.400
33.300	13.700
40.000	13.330
50.100	13.050
60.000	13.000
120.000	13.000

Name: 25y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.050
10.000	13.250
12.200	13.620
15.800	16.330
17.200	16.720
17.700	16.800
18.100	16.730
20.000	16.330
27.900	14.660
33.300	13.830
40.000	13.390
50.100	13.060
60.000	13.000
120.000	13.000

Name: 50y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.060
10.000	13.280
12.200	13.700
15.800	16.720
17.200	17.160
17.700	17.250
18.100	17.170
20.000	16.720
27.900	14.860
33.300	13.930
40.000	13.430
50.100	13.070
60.000	13.000
120.000	13.000

Name: 100y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
4.000	13.000
7.000	13.070
10.000	13.310
12.200	13.770
15.800	17.110
17.200	17.600
17.700	17.700
18.100	17.620
20.000	17.110
27.900	15.060
33.300	14.030
40.000	13.480
50.100	13.080
60.000	13.000
120.000	13.000

Name: 2y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.120
15.000	13.650
18.400	13.830
20.800	13.760
25.700	13.530
29.600	13.450
34.500	13.620
38.200	14.200
40.400	14.350
41.000	14.370
43.300	14.300
48.600	13.840
53.300	13.650
58.600	13.980
62.300	14.850
63.600	15.030
65.100	15.100
66.900	15.010
73.200	14.190
76.900	13.810
78.800	13.650
85.300	13.000
96.000	13.000

Name: 5y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.150
15.000	13.850
18.400	14.080
20.800	13.990
25.700	13.690
29.600	13.580
34.500	13.810
38.200	14.570
40.400	14.770
41.000	14.790
43.300	14.710
48.600	14.100
53.300	13.850
58.600	14.280
62.300	15.420
63.600	15.660
65.100	15.750
66.900	15.630
73.200	14.560
76.900	14.060
78.800	13.850
85.300	13.000
96.000	13.000

Name: 10y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.180
15.000	13.990
18.400	14.260
20.800	14.150
25.700	13.800
29.600	13.680
34.500	13.940
38.200	14.830
40.400	15.060
41.000	15.080
43.300	14.980
48.600	14.280
53.300	13.990
58.600	14.490
62.300	15.810
63.600	16.090
65.100	16.200
66.900	16.060
73.200	14.820

76.900	14.240
78.800	13.990
85.300	13.000
96.000	13.000

Name: 25y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.210
15.000	14.180
18.400	14.500
20.800	14.370
25.700	13.950
29.600	13.810
34.500	14.120
38.200	15.170
40.400	15.450
41.000	15.470
43.300	15.360
48.600	14.520
53.300	14.180
58.600	14.770
62.300	16.340
63.600	16.670
65.100	16.800
66.900	16.640
73.200	15.160
76.900	14.470
78.800	14.180
85.300	13.000
96.000	13.000

Name: 50y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.240
15.000	14.320
18.400	14.670
20.800	14.530
25.700	14.060
29.600	13.900
34.500	14.260
38.200	15.420
40.400	15.740
41.000	15.770
43.300	15.640
48.600	14.700
53.300	14.320
58.600	14.980
62.300	16.740
63.600	17.110
65.100	17.250
66.900	17.070
73.200	15.420
76.900	14.640
78.800	14.320
85.300	13.000
96.000	13.000

Name: 100y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.260
15.000	14.460
18.400	14.850
20.800	14.690
25.700	14.180
29.600	14.000
34.500	14.390
38.200	15.680
40.400	16.030
41.000	16.060
43.300	15.910

48.600	14.880
53.300	14.460
58.600	15.190
62.300	17.130
63.600	17.540
65.100	17.700
66.900	17.500
73.200	15.670
76.900	14.820
78.800	14.460
85.300	13.000
96.000	13.000

Name: 2y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.310
41.300	14.070
42.900	14.110
51.500	13.620
74.000	13.500
82.000	13.290
97.300	13.190
121.400	13.260
128.400	13.490
138.600	13.650
152.300	13.740
160.900	15.000
161.900	15.100
163.600	15.030
168.000	14.420
172.800	13.900
178.500	13.360
187.600	13.000
200.000	13.000

Name: 5y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.400
41.300	14.400
42.900	14.460
51.500	13.820
74.000	13.660
82.000	13.380
97.300	13.250
121.400	13.340
128.400	13.640
138.600	13.850
152.300	13.970
160.900	15.620
161.900	15.750
163.600	15.660
168.000	14.860
172.800	14.180
178.500	13.470
187.600	13.000
200.000	13.000

Name: 10y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.470
41.300	14.630
42.900	14.690
51.500	13.950
74.000	13.770
82.000	13.450
97.300	13.290
121.400	13.400
128.400	13.740
138.600	13.990
152.300	14.130

160.900	16.050
161.900	16.200
163.600	16.100
168.000	15.160
172.800	14.370
178.500	13.540
187.600	13.000
200.000	13.000

Name: 25y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.560
41.300	14.930
42.900	15.010
51.500	14.130
74.000	13.910
82.000	13.530
97.300	13.350
121.400	13.470
128.400	13.880
138.600	14.170
152.300	14.340
160.900	16.620
161.900	16.800
163.600	16.680
168.000	15.570
172.800	14.630
178.500	13.640
187.600	13.000
200.000	13.000

Name: 50y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.620
41.300	15.160
42.900	15.250
51.500	14.260
74.000	14.020
82.000	13.590
97.300	13.390
121.400	13.530
128.400	13.990
138.600	14.310
152.300	14.500
160.900	17.050
161.900	17.250
163.600	17.110
168.000	15.870
172.800	14.820
178.500	13.720
187.600	13.000
200.000	13.000

Name: 100y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.690
41.300	15.390
42.900	15.490
51.500	14.390
74.000	14.130
82.000	13.660
97.300	13.430
121.400	13.590
128.400	14.090
138.600	14.450
152.300	14.660
160.900	17.480
161.900	17.700
163.600	17.550
168.000	16.180

172.800	15.010
178.500	13.800
187.600	13.000
200.000	13.000

Name: 100y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.140
33.000	13.440
40.900	15.100
43.000	15.260
48.700	14.530
57.100	13.990
65.100	13.800
74.400	13.690
82.400	13.370
86.800	13.290
93.800	13.220
117.500	13.170
146.900	13.190
154.100	13.400
169.700	13.520
176.900	14.270
183.000	16.810
185.100	17.570
186.300	17.700
189.900	16.810
195.000	15.540
200.000	14.810
209.500	14.140
218.000	13.920
224.000	14.230
232.500	13.440
241.600	13.380
255.000	13.000
270.000	13.000

Name: 50y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.130
33.000	13.400
40.900	14.900
43.000	15.050
48.700	14.380
57.100	13.900
65.100	13.730
74.400	13.620
82.400	13.330
86.800	13.260
93.800	13.200
117.500	13.150
146.900	13.180
154.100	13.360
169.700	13.470
176.900	14.150
183.000	16.450
185.100	17.130
186.300	17.250
189.900	16.450
195.000	15.300
200.000	14.630
209.500	14.030
218.000	13.830
224.000	14.110
232.500	13.390
241.600	13.340
255.000	13.000
270.000	13.000

Name: 25y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000

10.300	13.000
26.600	13.110
33.000	13.360
40.900	14.700
43.000	14.830
48.700	14.240
57.100	13.800
65.100	13.650
74.400	13.550
82.400	13.300
86.800	13.240
93.800	13.180
117.500	13.130
146.900	13.160
154.100	13.320
169.700	13.420
176.900	14.030
183.000	16.080
185.100	16.690
186.300	16.800
189.900	16.080
195.000	15.050
200.000	14.460
209.500	13.920
218.000	13.740
224.000	13.990
232.500	13.350
241.600	13.310
255.000	13.000
270.000	13.000

Name: 10y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.090
33.000	13.300
40.900	14.430
43.000	14.540
48.700	14.040
57.100	13.670
65.100	13.550
74.400	13.470
82.400	13.250
86.800	13.200
93.800	13.150
117.500	13.110
146.900	13.130
154.100	13.270
169.700	13.350
176.900	13.860
183.000	15.590
185.100	16.110
186.300	16.200
189.900	15.590
195.000	14.730
200.000	14.230
209.500	13.780
218.000	13.630
224.000	13.840
232.500	13.300
241.600	13.260
255.000	13.000
270.000	13.000

Name: 5y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.080
33.000	13.260
40.900	14.230
43.000	14.320
48.700	13.900
57.100	13.580
65.100	13.470
74.400	13.400
82.400	13.210
86.800	13.170

93.800	13.130
117.500	13.100
146.900	13.110
154.100	13.230
169.700	13.300
176.900	13.740
183.000	15.230
185.100	15.670
186.300	15.750
189.900	15.230
195.000	14.490
200.000	14.060
209.500	13.670
218.000	13.540
224.000	13.720
232.500	13.260
241.600	13.220
255.000	13.000
270.000	13.000

Name: 2y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.060
33.000	13.200
40.900	13.940
43.000	14.010
48.700	13.680
57.100	13.440
65.100	13.360
74.400	13.310
82.400	13.160
86.800	13.130
93.800	13.100
117.500	13.070
146.900	13.090
154.100	13.180
169.700	13.230
176.900	13.570
183.000	14.700
185.100	15.040
186.300	15.100
189.900	14.700
195.000	14.140
200.000	13.810
209.500	13.510
218.000	13.410
224.000	13.550
232.500	13.190
241.600	13.170
255.000	13.000
270.000	13.000

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y001H	002Y001H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.250	2.250	2.250	2.250	2.250
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.83	0.62	0.89	1.30	0.67
Flow Max(cfs):	50.804	4.626	20.660	8.971	5.979
Runoff Volume(in):	2.018	1.865	1.815	0.924	1.043
Runoff Volume(ft3):	157346.807	8802.633	73854.394	54394.525	10487.202

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y001H	002Y001H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.250	2.250	2.250	2.250	2.250
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.94	0.94	0.71	0.93	0.67
Flow Max(cfs):	40.144	19.299	3.897	3.796	6.044
Runoff Volume(in):	1.165	1.165	0.674	1.378	1.043
Runoff Volume(ft3):	144627.117	61559.038	6779.159	12754.538	10600.782

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y001H	002Y001H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.250	2.250	2.250	2.250	2.250
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.30	0.94	0.69	0.65	0.63
Flow Max(cfs):	8.925	11.962	5.639	2.398	5.045
Runoff Volume(in):	0.924	1.037	1.041	1.768	1.856
Runoff Volume(ft3):	54420.850	42967.045	10578.335	4748.899	10038.888

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y002H	002Y002H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-2	FDOT-2

Rain Amount(in):	2.250	2.250	2.250	2.700	2.700
Duration(hrs):	1.00	1.00	1.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.67	0.66	0.91	1.02	0.82
Flow Max(cfs):	0.850	3.348	4.039	42.824	3.730
Runoff Volume(in):	1.151	1.674	1.383	2.463	2.308
Runoff Volume(ft3):	1503.900	6830.791	12805.444	192008.249	10889.867

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y002H	002Y002H	002Y002H	002Y002H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.700	2.700	2.700	2.700	2.700
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.05	1.62	0.84	1.19	1.08
Flow Max(cfs):	18.134	9.422	5.191	36.430	17.160
Runoff Volume(in):	2.243	1.262	1.409	1.546	1.542
Runoff Volume(ft3):	91293.158	74324.087	14170.100	191934.403	81480.650

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y002H	002Y002H	002Y002H	002Y002H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.700	2.700	2.700	2.700	2.700
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.87	1.08	0.84	1.63	1.19
Flow Max(cfs):	3.457	3.358	5.247	9.392	10.982
Runoff Volume(in):	0.971	1.776	1.409	1.265	1.400
Runoff Volume(ft3):	9758.860	16441.299	14323.566	74459.015	57991.536

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y002H	002Y002H	002Y002H	002Y002H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.700	2.700	2.700	2.700	2.700
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.87	0.85	0.84	0.84	0.86

Flow Max(cfs):	4.898	1.972	4.111	0.732	2.797
Runoff Volume(in):	1.404	2.205	2.293	1.532	2.103
Runoff Volume(ft3):	14270.122	5923.137	12402.000	2002.409	8580.289

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y004H	002Y004H	002Y004H	002Y004H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-2	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	2.700	3.250	3.250	3.250	3.250
Duration(hrs):	2.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.05	2.22	2.02	2.59	3.24
Flow Max(cfs):	3.549	30.114	2.091	14.200	10.592
Runoff Volume(in):	1.784	3.011	2.851	2.796	1.713
Runoff Volume(ft3):	16515.342	234751.528	13453.825	113767.937	100880.712

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y004H	002Y004H	002Y004H	002Y004H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	3.250	3.250	3.250	3.250	3.250
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.07	2.73	2.66	2.52	2.62
Flow Max(cfs):	3.156	33.335	14.938	2.444	2.832
Runoff Volume(in):	1.879	2.034	2.038	1.373	2.298
Runoff Volume(ft3):	18898.066	252528.505	107723.903	13806.497	21271.276

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y004H	002Y004H	002Y004H	002Y004H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	3.250	3.250	3.250	3.250	3.250
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.07	3.26	2.73	2.08	2.04
Flow Max(cfs):	3.191	10.557	10.355	3.112	1.148
Runoff Volume(in):	1.879	1.716	1.870	1.877	2.744
Runoff Volume(ft3):	19102.738	101017.925	77464.208	19079.325	7371.996

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y004H	002Y004H	002Y004H	002Y008H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-8
Rain Amount(in):	3.250	3.250	3.250	3.250	3.700
Duration(hrs):	4.00	4.00	4.00	4.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.03	2.04	2.06	2.59	4.07
Flow Max(cfs):	2.365	0.440	1.678	2.907	30.012
Runoff Volume(in):	2.839	2.018	2.641	2.305	3.461
Runoff Volume(ft3):	15357.823	2636.816	10776.228	21336.152	269854.715

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y008H	002Y008H	002Y008H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	3.700	3.700	3.700	3.700	3.700
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.13	4.54	4.00	4.18
Flow Max(cfs):	1.995	14.172	10.163	3.427	33.911
Runoff Volume(in):	3.297	3.238	2.105	2.277	2.446
Runoff Volume(ft3):	15558.250	131755.685	123927.285	22897.939	303695.633

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y008H	002Y008H	002Y008H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	3.700	3.700	3.700	3.700	3.700
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.10	4.00	4.16	4.00	4.57
Flow Max(cfs):	15.327	2.725	2.887	3.465	10.126
Runoff Volume(in):	2.452	1.722	2.726	2.277	2.109
Runoff Volume(ft3):	129594.639	17318.025	25233.743	23145.931	124174.150

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y008H	002Y008H	002Y008H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	3.700	3.700	3.700	3.700	3.700
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.17	4.01	3.98	4.00	4.00
Flow Max(cfs):	10.553	3.425	1.119	2.281	0.466
Runoff Volume(in):	2.270	2.276	3.189	3.286	2.426
Runoff Volume(ft3):	94005.558	23131.534	8565.840	17772.671	3170.226

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y024H	002Y024H	002Y024H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-8	FDOT-8	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	3.700	3.700	4.700	4.700	4.700
Duration(hrs):	8.00	8.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.01	4.13	12.07	12.00	12.07
Flow Max(cfs):	1.670	2.982	9.776	0.605	4.889
Runoff Volume(in):	3.083	2.730	4.463	4.291	4.235
Runoff Volume(ft3):	12577.576	25270.471	348015.834	20247.726	172351.548

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y024H	002Y024H	002Y024H	002Y024H	002Y024H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.700	4.700	4.700	4.700	4.700
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.49	12.00	12.12	12.10	12.01
Flow Max(cfs):	4.755	1.064	12.660	5.512	0.866
Runoff Volume(in):	2.992	3.189	3.385	3.385	2.545
Runoff Volume(ft3):	176163.006	32069.471	420263.341	178912.876	25595.115

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y024H	002Y024H	002Y024H	002Y024H	002Y024H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.700	4.700	4.700	4.700	4.700
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.11	12.00	12.56	12.18	11.99
Flow Max(cfs):	1.026	1.075	4.738	4.004	1.072
Runoff Volume(in):	3.692	3.189	2.998	3.187	3.189
Runoff Volume(ft3):	34175.430	32416.793	176490.558	131992.435	32409.519

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y024H	002Y024H	002Y024H	002Y024H	002Y024H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.700	4.700	4.700	4.700	4.700
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.99	11.98	12.00	11.99	12.11
Flow Max(cfs):	0.341	0.693	0.144	0.511	1.037
Runoff Volume(in):	4.179	4.281	3.356	4.068	3.690
Runoff Volume(ft3):	11226.452	23155.475	4385.981	16598.817	34157.945

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y072H	002Y072H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	5.800	5.800	5.800	5.800	5.800
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.98	59.95	60.18	59.98
Flow Max(cfs):	6.216	0.375	3.226	4.094	0.745
Runoff Volume(in):	5.564	5.386	5.329	4.008	4.221
Runoff Volume(ft3):	433839.165	25418.052	216857.688	235989.305	42446.811

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y072H	002Y072H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	5.800	5.800	5.800	5.800	5.800
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.97	59.99	59.99	59.98
Flow Max(cfs):	9.340	3.979	0.683	0.714	0.753
Runoff Volume(in):	4.434	4.435	3.503	4.762	4.221
Runoff Volume(ft3):	550432.772	234421.085	35220.232	44081.217	42906.524

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y072H	002Y072H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72

Rain Amount(in):	5.800	5.800	5.800	5.800	5.800
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	60.19	59.98	59.98	59.98	59.99
Flow Max(cfs):	4.091	3.054	0.753	0.213	0.430
Runoff Volume(in):	4.010	4.221	4.221	5.272	5.377
Runoff Volume(ft3):	236086.054	174837.941	42900.751	14161.999	29082.272

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y168H	002Y168H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-168	FDOT-168
Rain Amount(in):	5.800	5.800	5.800	7.300	7.300
Duration(hrs):	72.00	72.00	72.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.99	159.97	160.00
Flow Max(cfs):	0.098	0.322	0.715	4.644	0.281
Runoff Volume(in):	4.403	5.157	4.763	7.063	6.883
Runoff Volume(ft3):	5753.865	21042.986	44084.837	550707.429	32478.658

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y168H	002Y168H	002Y168H	002Y168H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	7.300	7.300	7.300	7.300	7.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.93	159.95	160.00	160.00	159.98
Flow Max(cfs):	2.418	3.319	0.576	7.180	3.057
Runoff Volume(in):	6.824	5.424	5.657	5.885	5.887
Runoff Volume(ft3):	277679.655	319346.601	56880.299	730614.539	311127.960

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y168H	002Y168H	002Y168H	002Y168H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	7.300	7.300	7.300	7.300	7.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.99	160.00	160.00	160.01	160.00

Flow Max(cfs):	0.548	0.543	0.582	3.318	2.370
Runoff Volume(in):	4.862	6.235	5.657	5.422	5.654
Runoff Volume(ft3):	48883.961	57710.099	57496.331	319214.278	234183.938

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y168H	002Y168H	002Y168H	002Y168H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	7.300	7.300	7.300	7.300	7.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	160.00	160.00	159.99
Flow Max(cfs):	0.582	0.159	0.322	0.076	0.242
Runoff Volume(in):	5.656	6.766	6.872	5.853	6.647
Runoff Volume(ft3):	57492.515	18174.264	37170.944	7648.589	27121.650

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y240H	002Y240H	002Y240H	002Y240H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-168	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	7.300	8.200	8.200	8.200	8.200
Duration(hrs):	168.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.95	183.99	184.00	184.00	183.96
Flow Max(cfs):	0.543	6.112	0.369	3.181	4.336
Runoff Volume(in):	6.237	7.963	7.781	7.723	6.289
Runoff Volume(ft3):	57729.151	620889.720	36719.211	314283.888	370289.052

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	002Y240H	002Y240H	002Y240H	002Y240H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	8.200	8.200	8.200	8.200	8.200
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.97	183.96	183.99	183.98
Flow Max(cfs):	0.755	9.417	4.010	0.715	0.713
Runoff Volume(in):	6.528	6.766	6.766	5.697	7.125
Runoff Volume(ft3):	65641.083	839974.345	357616.985	57279.532	65948.324

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	002Y240H	002Y240H	002Y240H	002Y240H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	8.200	8.200	8.200	8.200	8.200
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.98	183.94	183.98	184.01
Flow Max(cfs):	0.763	4.337	3.104	0.763	0.210
Runoff Volume(in):	6.528	6.289	6.527	6.528	7.664
Runoff Volume(ft3):	66351.997	370297.007	270340.020	66351.103	20585.823

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	002Y240H	002Y240H	002Y240H	005Y001H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-1
Rain Amount(in):	8.200	8.200	8.200	8.200	2.750
Duration(hrs):	240.00	240.00	240.00	240.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.99	184.00	184.01	183.96	0.83
Flow Max(cfs):	0.423	0.099	0.318	0.713	63.031
Runoff Volume(in):	7.771	6.731	7.544	7.124	2.514
Runoff Volume(ft3):	42032.643	8795.842	30779.670	65947.039	196026.632

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y001H	005Y001H	005Y001H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.750	2.750	2.750	2.750	2.750
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.62	0.89	1.30	0.67	0.94
Flow Max(cfs):	5.796	26.136	12.701	8.219	54.641
Runoff Volume(in):	2.357	2.304	1.311	1.451	1.591
Runoff Volume(ft3):	11122.513	93736.969	77179.897	14590.972	197526.807

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y001H	005Y001H	005Y001H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.750	2.750	2.750	2.750	2.750
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.94	0.68	0.93	0.67	1.30
Flow Max(cfs):	26.100	5.740	5.010	8.308	12.635
Runoff Volume(in):	1.591	1.009	1.831	1.451	1.311
Runoff Volume(ft3):	84076.352	10140.881	16946.144	14748.997	77214.499

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y001H	005Y001H	005Y001H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.750	2.750	2.750	2.750	2.750
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.94	0.69	0.65	0.63	0.67
Flow Max(cfs):	16.606	7.766	3.032	6.333	1.149
Runoff Volume(in):	1.444	1.448	2.254	2.347	1.576
Runoff Volume(ft3):	59802.236	14719.872	6055.032	12694.202	2059.100

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y002H	005Y002H	005Y002H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-1	FDOT-1	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.750	2.750	3.500	3.500	3.500
Duration(hrs):	1.00	1.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.66	0.91	1.02	0.82	1.05
Flow Max(cfs):	4.277	5.320	56.375	4.942	24.444
Runoff Volume(in):	2.154	1.838	3.257	3.099	3.027
Runoff Volume(ft3):	8789.749	17010.301	253974.239	14622.367	123191.838

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y002H	005Y002H	005Y002H	005Y002H	005Y002H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.500	3.500	3.500	3.500	3.500
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.62	0.84	1.11	1.08	0.85
Flow Max(cfs):	14.394	7.694	53.467	25.209	5.624
Runoff Volume(in):	1.921	2.099	2.258	2.252	1.561
Runoff Volume(ft3):	113124.232	21108.035	280287.760	119012.437	15694.461

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y002H	005Y002H	005Y002H	005Y002H	005Y002H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.500	3.500	3.500	3.500	3.500
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.08	0.84	1.63	1.19	0.87
Flow Max(cfs):	4.777	7.777	14.343	16.448	7.275
Runoff Volume(in):	2.518	2.099	1.925	2.087	2.092
Runoff Volume(ft3):	23310.400	21336.642	113312.311	86428.445	21263.160

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y002H	005Y002H	005Y002H	005Y002H	005Y002H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.500	3.500	3.500	3.500	3.500
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.85	0.84	0.84	0.86	1.05
Flow Max(cfs):	2.640	5.459	1.063	3.788	5.044
Runoff Volume(in):	2.990	3.082	2.244	2.880	2.529
Runoff Volume(ft3):	8030.824	16667.320	2931.836	11749.318	23409.237

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y004H	005Y004H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.130	4.130	4.130	4.130	4.130
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.22	2.02	2.59	3.08	2.04
Flow Max(cfs):	38.615	2.694	18.403	15.079	4.458
Runoff Volume(in):	3.886	3.724	3.666	2.471	2.665
Runoff Volume(ft3):	303033.801	17573.015	149160.379	145514.758	26801.714

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y004H	005Y004H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4

Rain Amount(in):	4.130	4.130	4.130	4.130	4.130
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.65	2.59	2.52	2.62	2.04
Flow Max(cfs):	45.777	20.473	3.517	3.803	4.506
Runoff Volume(in):	2.840	2.845	2.068	3.133	2.665
Runoff Volume(ft3):	352515.345	150358.784	20792.125	28997.034	27091.985

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y004H	005Y004H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.130	4.130	4.130	4.130	4.130
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.10	2.73	2.06	2.04	2.03
Flow Max(cfs):	15.051	14.458	4.398	1.490	3.051
Runoff Volume(in):	2.475	2.653	2.662	3.612	3.711
Runoff Volume(ft3):	145698.652	109896.547	27060.933	9702.835	20072.916

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y008H	005Y008H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-8	FDOT-8
Rain Amount(in):	4.130	4.130	4.130	4.730	4.730
Duration(hrs):	4.00	4.00	4.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.06	2.59	4.07	4.00
Flow Max(cfs):	0.610	2.197	3.899	38.536	2.570
Runoff Volume(in):	2.823	3.503	3.142	4.487	4.321
Runoff Volume(ft3):	3688.736	14293.876	29081.191	349882.635	20388.605

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y008H	005Y008H	005Y008H	005Y008H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.730	4.730	4.730	4.730	4.730
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.13	4.54	4.00	4.18	4.10

Flow Max(cfs):	18.409	14.650	4.704	46.821	21.132
Runoff Volume(in):	4.258	3.019	3.217	3.406	3.413
Runoff Volume(ft3):	173254.372	177762.250	32349.164	422835.385	180411.190

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y008H	005Y008H	005Y008H	005Y008H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.730	4.730	4.730	4.730	4.730
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.16	4.00	4.57	4.17
Flow Max(cfs):	3.963	3.881	4.755	14.585	14.830
Runoff Volume(in):	2.570	3.714	3.217	3.025	3.207
Runoff Volume(ft3):	25841.744	34378.842	32699.516	178092.482	132834.097

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y008H	005Y008H	005Y008H	005Y008H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.730	4.730	4.730	4.730	4.730
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.01	3.98	3.98	4.00	3.98
Flow Max(cfs):	4.713	1.449	2.941	0.632	2.173
Runoff Volume(in):	3.215	4.208	4.309	3.385	4.097
Runoff Volume(ft3):	32680.431	11303.110	23303.991	4422.937	16714.251

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y024H	005Y024H	005Y024H	005Y024H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-8	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.730	6.200	6.200	6.200	6.200
Duration(hrs):	8.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.13	12.07	12.00	12.07	12.49
Flow Max(cfs):	4.004	12.933	0.804	6.517	6.950
Runoff Volume(in):	3.719	5.961	5.785	5.728	4.377
Runoff Volume(ft3):	34426.605	464810.736	27300.158	233082.966	257708.957

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y024H	005Y024H	005Y024H	005Y024H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	6.200	6.200	6.200	6.200	6.200
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.12	12.10	11.99	12.11
Flow Max(cfs):	1.506	17.788	7.733	1.300	1.409
Runoff Volume(in):	4.602	4.819	4.819	3.859	5.154
Runoff Volume(ft3):	46270.559	598315.839	254713.168	38805.175	47709.571

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y024H	005Y024H	005Y024H	005Y024H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	6.200	6.200	6.200	6.200	6.200
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.56	12.10	11.99	11.99
Flow Max(cfs):	1.523	6.918	5.715	1.520	0.454
Runoff Volume(in):	4.602	4.385	4.598	4.601	5.670
Runoff Volume(ft3):	46771.684	258156.726	190450.788	46761.813	15230.004

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y024H	005Y024H	005Y024H	005Y072H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-72
Rain Amount(in):	6.200	6.200	6.200	6.200	7.630
Duration(hrs):	24.00	24.00	24.00	24.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.98	12.00	11.99	12.04	59.97
Flow Max(cfs):	0.920	0.201	0.684	1.423	8.183
Runoff Volume(in):	5.775	4.788	5.554	5.152	7.393
Runoff Volume(ft3):	31236.381	6256.528	22660.473	47686.209	576450.541

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y072H	005Y072H	005Y072H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	7.630	7.630	7.630	7.630	7.630
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.95	60.02	59.98	59.99
Flow Max(cfs):	0.494	4.257	5.600	1.007	12.562
Runoff Volume(in):	7.212	7.153	5.739	5.976	6.207
Runoff Volume(ft3):	34033.658	291073.828	337881.294	60086.463	770616.654

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y072H	005Y072H	005Y072H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	7.630	7.630	7.630	7.630	7.630
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.99	59.99	59.98	60.02
Flow Max(cfs):	5.351	0.950	0.952	1.018	5.596
Runoff Volume(in):	6.209	5.166	6.560	5.976	5.741
Runoff Volume(ft3):	328188.650	51945.636	60724.886	60737.219	338011.895

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y072H	005Y072H	005Y072H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	7.630	7.630	7.630	7.630	7.630
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.98	59.98	59.99	59.98
Flow Max(cfs):	4.136	1.018	0.281	0.566	0.132
Runoff Volume(in):	5.976	5.975	7.094	7.202	6.174
Runoff Volume(ft3):	247495.920	60729.469	19057.238	38955.717	8068.642

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y168H	005Y168H	005Y168H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-72	FDOT-72	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	7.630	7.630	9.400	9.400	9.400
Duration(hrs):	72.00	72.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.99	159.97	160.00	159.93
Flow Max(cfs):	0.425	0.952	5.982	0.362	3.117
Runoff Volume(in):	6.976	6.561	9.162	8.980	8.919
Runoff Volume(ft3):	28462.380	60729.690	714404.807	42374.680	362949.409

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y168H	005Y168H	005Y168H	005Y168H	005Y168H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	9.400	9.400	9.400	9.400	9.400
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.95	160.00	160.00	159.98	159.99
Flow Max(cfs):	4.358	0.752	9.348	3.980	0.727
Runoff Volume(in):	7.444	7.697	7.941	7.943	6.826
Runoff Volume(ft3):	438316.361	77396.567	985824.925	419803.764	68634.285

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y168H	005Y168H	005Y168H	005Y168H	005Y168H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	9.400	9.400	9.400	9.400	9.400
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	160.01	160.00	160.00
Flow Max(cfs):	0.703	0.760	4.357	3.096	0.760
Runoff Volume(in):	8.310	7.697	7.441	7.694	7.697
Runoff Volume(ft3):	76920.401	78234.797	438143.075	318658.582	78229.820

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y168H	005Y168H	005Y168H	005Y168H	005Y168H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	9.400	9.400	9.400	9.400	9.400
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	160.00	159.99	159.95
Flow Max(cfs):	0.206	0.415	0.098	0.312	0.703
Runoff Volume(in):	8.860	8.969	7.907	8.739	8.313
Runoff Volume(ft3):	23800.554	48511.443	10333.050	35654.743	76945.072

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	005Y240H	005Y240H	005Y240H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240

Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.99	184.00	184.00	183.96	184.00
Flow Max(cfs):	7.904	0.478	4.118	5.731	0.992
Runoff Volume(in):	10.363	10.179	10.120	8.616	8.873
Runoff Volume(ft3):	808004.486	48033.285	411802.727	507288.005	89217.808

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	005Y240H	005Y240H	005Y240H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	183.96	183.99	183.98	184.00
Flow Max(cfs):	12.323	5.247	0.956	0.928	1.002
Runoff Volume(in):	9.126	9.126	7.968	9.502	8.873
Runoff Volume(ft3):	1132924.911	482339.326	80123.169	87959.856	90184.066

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	005Y240H	005Y240H	005Y240H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.98	183.94	183.98	184.01	183.99
Flow Max(cfs):	5.732	4.079	1.002	0.272	0.548
Runoff Volume(in):	8.616	8.871	8.873	10.059	10.169
Runoff Volume(ft3):	507298.435	367442.084	90182.897	27020.118	54999.054

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	005Y240H	010Y001H	010Y001H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-1	FDOT-1
Rain Amount(in):	10.600	10.600	10.600	3.050	3.050
Duration(hrs):	240.00	240.00	240.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	184.01	183.96	0.83	0.62

Flow Max(cfs):	0.130	0.412	0.928	70.363	6.497
Runoff Volume(in):	9.089	9.936	9.502	2.812	2.653
Runoff Volume(ft3):	11877.004	40541.438	87958.188	219269.110	12520.278

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y001H	010Y001H	010Y001H	010Y001H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.050	3.050	3.050	3.050	3.050
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.89	1.30	0.67	0.94	0.86
Flow Max(cfs):	29.428	15.047	9.600	63.583	30.310
Runoff Volume(in):	2.598	1.555	1.706	1.855	1.855
Runoff Volume(ft3):	105729.514	91546.321	17155.354	230310.143	98031.007

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y001H	010Y001H	010Y001H	010Y001H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.050	3.050	3.050	3.050	3.050
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.68	0.93	0.67	1.30	0.94
Flow Max(cfs):	6.928	5.750	9.704	14.968	19.495
Runoff Volume(in):	1.224	2.108	1.706	1.556	1.698
Runoff Volume(ft3):	12312.297	19513.720	17341.152	91585.907	70324.007

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y001H	010Y001H	010Y001H	010Y001H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.050	3.050	3.050	3.050	3.050
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.69	0.65	0.63	0.64	0.66
Flow Max(cfs):	9.078	3.412	7.105	1.332	4.835
Runoff Volume(in):	1.703	2.548	2.643	1.839	2.445
Runoff Volume(ft3):	17308.021	6843.802	14294.353	2403.551	9975.940

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y002H	010Y002H	010Y002H	010Y002H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-1	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.050	3.750	3.750	3.750	3.750
Duration(hrs):	1.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.91	1.02	0.82	1.05	1.62
Flow Max(cfs):	6.100	60.605	5.320	26.416	16.009
Runoff Volume(in):	2.116	3.506	3.347	3.273	2.136
Runoff Volume(ft3):	19585.783	273359.443	15792.370	133199.407	125750.695

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y002H	010Y002H	010Y002H	010Y002H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.750	3.750	3.750	3.750	3.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	1.11	1.08	0.85	1.08
Flow Max(cfs):	8.491	58.990	27.780	6.342	5.226
Runoff Volume(in):	2.322	2.486	2.479	1.757	2.754
Runoff Volume(ft3):	23348.202	308618.432	131047.894	17666.208	25492.049

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y002H	010Y002H	010Y002H	010Y002H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.750	3.750	3.750	3.750	3.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	1.63	1.19	0.87	0.85
Flow Max(cfs):	8.583	15.951	18.207	8.034	2.847
Runoff Volume(in):	2.322	2.139	2.308	2.314	3.236
Runoff Volume(ft3):	23601.070	125955.360	95611.987	23521.352	8692.660

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y002H	010Y002H	010Y002H	010Y004H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-4
Rain Amount(in):	3.750	3.750	3.750	3.750	4.680
Duration(hrs):	2.00	2.00	2.00	2.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.84	0.86	1.05	2.22
Flow Max(cfs):	5.879	1.168	4.097	5.516	43.914
Runoff Volume(in):	3.329	2.472	3.124	2.765	4.434
Runoff Volume(ft3):	18004.536	3230.125	12746.509	25598.587	345746.302

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y004H	010Y004H	010Y004H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.680	4.680	4.680	4.680	4.680
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.02	2.51	3.08	2.04	2.65
Flow Max(cfs):	3.069	21.025	17.977	5.280	53.702
Runoff Volume(in):	4.271	4.211	2.962	3.171	3.354
Runoff Volume(ft3):	20153.856	171350.046	174415.574	31883.218	416397.394

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y004H	010Y004H	010Y004H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.680	4.680	4.680	4.680	4.680
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.59	2.07	2.62	2.04	3.10
Flow Max(cfs):	23.989	4.214	4.410	5.338	17.939
Runoff Volume(in):	3.360	2.526	3.661	3.171	2.966
Runoff Volume(ft3):	177597.179	25402.300	33891.195	32228.524	174628.503

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y004H	010Y004H	010Y004H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.680	4.680	4.680	4.680	4.680
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.73	2.06	2.04	2.03	2.04
Flow Max(cfs):	17.054	5.218	1.703	3.477	0.718
Runoff Volume(in):	3.157	3.167	4.157	4.257	3.337
Runoff Volume(ft3):	130751.023	32192.727	11165.290	23027.439	4361.368

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y008H	010Y008H	010Y008H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-4	FDOT-4	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.680	4.680	5.430	5.430	5.430
Duration(hrs):	4.00	4.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.06	2.59	4.07	4.00	4.13
Flow Max(cfs):	2.519	4.518	44.316	2.959	21.275
Runoff Volume(in):	4.045	3.672	5.185	5.018	4.953
Runoff Volume(ft3):	16504.791	33987.327	404307.812	23678.005	201530.186

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y008H	010Y008H	010Y008H	010Y008H	010Y008H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	5.430	5.430	5.430	5.430	5.430
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.54	4.00	4.18	4.10	4.00
Flow Max(cfs):	17.769	5.571	55.628	25.086	4.821
Runoff Volume(in):	3.660	3.872	4.071	4.079	3.174
Runoff Volume(ft3):	215488.791	38931.239	505343.345	215601.535	31919.706

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y008H	010Y008H	010Y008H	010Y008H	010Y008H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	5.430	5.430	5.430	5.430	5.430
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.16	4.00	4.57	4.17	4.01
Flow Max(cfs):	4.554	5.631	17.683	17.766	5.588
Runoff Volume(in):	4.393	3.872	3.666	3.860	3.870
Runoff Volume(ft3):	40665.132	39352.877	215875.316	159877.499	39330.628

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y008H	010Y008H	010Y008H	010Y008H	010Y008H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8

Rain Amount(in):	5.430	5.430	5.430	5.430	5.430
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.98	3.98	4.00	3.98	4.13
Flow Max(cfs):	1.672	3.387	0.744	2.514	4.696
Runoff Volume(in):	4.903	5.005	4.049	4.789	4.399
Runoff Volume(ft3):	13169.369	27071.078	5291.138	19538.709	40720.350

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y024H	010Y024H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.250	7.250	7.250	7.250	7.250
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.07	12.00	12.07	12.49	12.00
Flow Max(cfs):	15.139	0.942	7.652	8.495	1.815
Runoff Volume(in):	7.010	6.833	6.775	5.369	5.609
Runoff Volume(ft3):	546605.102	32243.745	275670.856	316148.612	56396.659

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y024H	010Y024H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.250	7.250	7.250	7.250	7.250
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.12	12.10	11.99	12.11	12.00
Flow Max(cfs):	21.358	9.278	1.609	1.675	1.835
Runoff Volume(in):	5.838	5.837	4.814	6.186	5.609
Runoff Volume(ft3):	724708.714	308521.020	48409.319	57262.043	57007.453

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y024H	010Y024H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.250	7.250	7.250	7.250	7.250
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.40	12.10	11.99	11.99	11.98

Flow Max(cfs):	8.463	6.913	1.832	0.534	1.079
Runoff Volume(in):	5.379	5.605	5.608	6.715	6.823
Runoff Volume(ft3):	316679.853	232135.272	56995.779	18038.764	36901.256

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y072H	010Y072H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-72	FDOT-72
Rain Amount(in):	7.250	7.250	7.250	8.830	8.830
Duration(hrs):	24.00	24.00	24.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	11.99	12.04	59.97	59.98
Flow Max(cfs):	0.241	0.805	1.692	9.473	0.572
Runoff Volume(in):	5.804	6.597	6.183	8.593	8.410
Runoff Volume(ft3):	7585.204	26917.569	57234.588	669994.464	39688.426

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y072H	010Y072H	010Y072H	010Y072H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	8.830	8.830	8.830	8.830	8.830
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.95	60.02	59.98	59.99	59.97
Flow Max(cfs):	4.931	6.580	1.178	14.661	6.244
Runoff Volume(in):	8.350	6.892	7.141	7.382	7.384
Runoff Volume(ft3):	339797.581	405815.512	71804.242	916408.265	390275.217

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y072H	010Y072H	010Y072H	010Y072H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	8.830	8.830	8.830	8.830	8.830
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.99	59.98	60.02	59.98
Flow Max(cfs):	1.124	1.107	1.191	6.575	4.840
Runoff Volume(in):	6.287	7.746	7.141	6.895	7.141
Runoff Volume(ft3):	63218.138	71700.450	72581.905	405968.148	295761.648

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y072H	010Y072H	010Y072H	010Y072H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	8.830	8.830	8.830	8.830	8.830
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.98	59.99	59.98	59.99
Flow Max(cfs):	1.191	0.325	0.656	0.154	0.493
Runoff Volume(in):	7.140	8.291	8.401	7.348	8.171
Runoff Volume(ft3):	72572.868	22271.996	45436.323	9602.038	33338.220

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y168H	010Y168H	010Y168H	010Y168H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-72	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	8.830	11.250	11.250	11.250	11.250
Duration(hrs):	72.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	159.97	160.00	159.93	159.95
Flow Max(cfs):	1.107	7.161	0.433	3.733	5.267
Runoff Volume(in):	7.747	11.012	10.828	10.767	9.246
Runoff Volume(ft3):	71706.028	858643.550	51098.012	438128.027	544391.835

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y168H	010Y168H	010Y168H	010Y168H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	11.250	11.250	11.250	11.250	11.250
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	159.98	159.99	160.00
Flow Max(cfs):	0.907	11.247	4.789	0.884	0.844
Runoff Volume(in):	9.511	9.764	9.767	8.592	10.145
Runoff Volume(ft3):	95638.997	1212207.038	516203.425	86390.762	93910.444

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y168H	010Y168H	010Y168H	010Y168H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	11.250	11.250	11.250	11.250	11.250
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.84	160.00	160.00	160.00
Flow Max(cfs):	0.917	5.266	3.733	0.917	0.246
Runoff Volume(in):	9.511	9.242	9.507	9.511	10.707
Runoff Volume(ft3):	96674.798	544182.695	393771.268	96668.802	28762.043

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y168H	010Y168H	010Y168H	010Y240H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-240
Rain Amount(in):	11.250	11.250	11.250	11.250	12.500
Duration(hrs):	168.00	168.00	168.00	168.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	159.99	159.95	183.99
Flow Max(cfs):	0.496	0.118	0.374	0.844	9.322
Runoff Volume(in):	10.817	9.730	10.584	10.149	12.263
Runoff Volume(ft3):	58508.362	12715.073	43183.250	93940.049	956160.297

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	010Y240H	010Y240H	010Y240H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	12.500	12.500	12.500	12.500	12.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	184.00	183.96	184.00	183.97
Flow Max(cfs):	0.564	4.859	6.828	1.178	14.613
Runoff Volume(in):	12.078	12.018	10.476	10.743	11.004
Runoff Volume(ft3):	56994.599	489053.370	616801.704	108022.238	1366122.346

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	010Y240H	010Y240H	010Y240H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	12.500	12.500	12.500	12.500	12.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	183.99	183.98	184.00	183.98
Flow Max(cfs):	6.222	1.145	1.097	1.190	6.828
Runoff Volume(in):	11.005	9.797	11.391	10.743	10.476
Runoff Volume(ft3):	581622.019	98509.833	105440.019	109192.154	616814.083

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	010Y240H	010Y240H	010Y240H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	12.500	12.500	12.500	12.500	12.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.94	183.98	184.01	183.99	184.00
Flow Max(cfs):	4.846	1.190	0.321	0.646	0.154
Runoff Volume(in):	10.741	10.743	11.957	12.067	10.966
Runoff Volume(ft3):	444889.315	109190.768	32117.955	65269.330	14330.372

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	025Y001H	025Y001H	025Y001H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-240	FDOT-240	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	12.500	12.500	3.450	3.450	3.450
Duration(hrs):	240.00	240.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.01	183.96	0.83	0.62	0.89
Flow Max(cfs):	0.486	1.097	80.134	7.431	33.824
Runoff Volume(in):	11.833	11.391	3.210	3.049	2.992
Runoff Volume(ft3):	48278.591	105438.047	250286.029	14388.591	121769.764

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y001H	025Y001H	025Y001H	025Y001H	025Y001H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.450	3.450	3.450	3.450	3.450
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.30	0.64	0.94	0.86	0.68
Flow Max(cfs):	18.270	11.469	75.709	36.113	8.571
Runoff Volume(in):	1.891	2.055	2.214	2.214	1.526
Runoff Volume(ft3):	111317.020	20663.584	274917.211	117018.659	15348.882

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y001H	025Y001H	025Y001H	025Y001H	025Y001H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1

Rain Amount(in):	3.450	3.450	3.450	3.450	3.450
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.93	0.64	1.30	0.94	0.69
Flow Max(cfs):	6.744	11.593	18.172	23.434	10.858
Runoff Volume(in):	2.483	2.055	1.891	2.045	2.051
Runoff Volume(ft3):	22981.180	20887.378	111363.249	84719.987	20848.918

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y001H	025Y001H	025Y001H	025Y001H	025Y001H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.450	3.450	3.450	3.450	3.450
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.65	0.63	0.64	0.66	0.84
Flow Max(cfs):	3.919	8.132	1.583	5.579	7.155
Runoff Volume(in):	2.941	3.038	2.198	2.835	2.492
Runoff Volume(ft3):	7899.571	16433.410	2872.568	11566.283	23063.738

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y002H	025Y002H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.300	4.300	4.300	4.300	4.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.02	0.82	1.05	1.62	0.84
Flow Max(cfs):	69.905	6.148	30.756	19.634	10.260
Runoff Volume(in):	4.053	3.893	3.815	2.618	2.821
Runoff Volume(ft3):	316029.294	18370.308	155259.120	154138.801	28362.862

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y002H	025Y002H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.300	4.300	4.300	4.300	4.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.11	1.08	0.85	1.08	0.84

Flow Max(cfs):	71.285	33.495	7.963	6.219	10.371
Runoff Volume(in):	2.995	2.987	2.203	3.277	2.821
Runoff Volume(ft3):	371795.140	157887.669	22151.213	30331.988	28670.041

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y002H	025Y002H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.300	4.300	4.300	4.300	4.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.63	1.11	0.84	0.85	0.84
Flow Max(cfs):	19.560	22.206	9.732	3.303	6.800
Runoff Volume(in):	2.622	2.805	2.812	3.779	3.874
Runoff Volume(ft3):	154379.862	116171.573	28576.650	10152.211	20951.113

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y004H	025Y004H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-4	FDOT-4
Rain Amount(in):	4.300	4.300	4.300	5.450	5.450
Duration(hrs):	2.00	2.00	2.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.86	1.05	2.22	2.02
Flow Max(cfs):	1.400	4.776	6.561	51.321	3.593
Runoff Volume(in):	2.981	3.664	3.290	5.201	5.038
Runoff Volume(ft3):	3895.630	14947.978	30455.406	405572.157	23772.094

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y004H	025Y004H	025Y004H	025Y004H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.450	5.450	5.450	5.450	5.450
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.51	3.08	2.04	2.65	2.59
Flow Max(cfs):	24.700	22.087	6.436	64.831	28.919
Runoff Volume(in):	4.976	3.665	3.891	4.084	4.091
Runoff Volume(ft3):	202471.145	215765.743	39120.802	507024.930	216238.383

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y004H	025Y004H	025Y004H	025Y004H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.450	5.450	5.450	5.450	5.450
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.07	2.62	2.04	3.10	2.64
Flow Max(cfs):	5.318	5.258	6.506	22.034	20.733
Runoff Volume(in):	3.190	4.407	3.891	3.669	3.874
Runoff Volume(ft3):	32080.470	40797.892	39544.493	216019.120	160456.485

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y004H	025Y004H	025Y004H	025Y004H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.450	5.450	5.450	5.450	5.450
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.06	2.04	2.03	2.04	2.03
Flow Max(cfs):	6.370	1.999	4.073	0.868	2.969
Runoff Volume(in):	3.886	4.920	5.023	4.068	4.806
Runoff Volume(ft3):	39502.089	13217.296	27169.828	5316.105	19610.123

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y008H	025Y008H	025Y008H	025Y008H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-4	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	5.450	6.400	6.400	6.400	6.400
Duration(hrs):	4.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.59	4.07	4.00	4.13	4.54
Flow Max(cfs):	5.384	52.317	3.498	25.233	22.142
Runoff Volume(in):	4.420	6.153	5.985	5.917	4.565
Runoff Volume(ft3):	40910.718	479754.901	28241.468	240770.740	268772.179

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y008H	025Y008H	025Y008H	025Y008H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	6.400	6.400	6.400	6.400	6.400
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.18	4.10	4.00	4.09
Flow Max(cfs):	6.768	67.828	30.559	6.018	5.485
Runoff Volume(in):	4.793	5.002	5.013	4.038	5.341
Runoff Volume(ft3):	48190.169	620992.819	264925.521	40602.683	49435.602

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y008H	025Y008H	025Y008H	025Y008H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	6.400	6.400	6.400	6.400	6.400
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.57	4.17	4.01	3.98
Flow Max(cfs):	6.841	22.027	21.845	6.796	1.980
Runoff Volume(in):	4.793	4.573	4.779	4.790	5.867
Runoff Volume(ft3):	48712.084	269236.257	197921.143	48685.477	15760.282

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y008H	025Y008H	025Y008H	025Y024H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-24
Rain Amount(in):	6.400	6.400	6.400	6.400	8.600
Duration(hrs):	8.00	8.00	8.00	8.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.98	4.00	3.98	4.13	12.07
Flow Max(cfs):	4.005	0.899	2.984	5.650	17.974
Runoff Volume(in):	5.971	4.981	5.751	5.348	8.359
Runoff Volume(ft3):	32297.521	6508.661	23463.256	49501.109	651794.762

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y024H	025Y024H	025Y024H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.07	12.49	12.00	12.12
Flow Max(cfs):	1.120	9.108	10.481	2.210	25.921
Runoff Volume(in):	8.181	8.121	6.663	6.917	7.157
Runoff Volume(ft3):	38604.462	330478.460	392295.327	69551.875	888483.714

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y024H	025Y024H	025Y024H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.10	11.99	12.11	12.00	12.40
Flow Max(cfs):	11.254	2.008	2.014	2.234	10.450
Runoff Volume(in):	7.157	6.070	7.519	6.917	6.674
Runoff Volume(ft3):	378243.179	61032.521	69599.389	70305.144	392933.258

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y024H	025Y024H	025Y024H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.10	11.99	11.99	11.98	12.00
Flow Max(cfs):	8.446	2.231	0.635	1.284	0.292
Runoff Volume(in):	6.912	6.916	8.061	8.170	7.122
Runoff Volume(ft3):	286289.761	70291.164	21654.321	44190.267	9307.482

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y072H	025Y072H	025Y072H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-24	FDOT-24	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	8.600	8.600	10.580	10.580	10.580
Duration(hrs):	24.00	24.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.99	12.04	59.97	59.98	59.95
Flow Max(cfs):	0.960	2.035	11.353	0.686	5.915
Runoff Volume(in):	7.941	7.515	10.343	10.159	10.098
Runoff Volume(ft3):	32400.588	69566.689	806434.962	47939.092	410898.882

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y072H	025Y072H	025Y072H	025Y072H	025Y072H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72

Rain Amount(in):	10.580	10.580	10.580	10.580	10.580
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	60.02	59.98	59.99	59.97	59.99
Flow Max(cfs):	8.000	1.426	17.708	7.541	1.376
Runoff Volume(in):	8.591	8.853	9.104	9.107	7.949
Runoff Volume(ft3):	505848.330	89020.643	1130202.020	481320.813	79927.369

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y072H	025Y072H	025Y072H	025Y072H	025Y072H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	10.580	10.580	10.580	10.580	10.580
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.98	60.02	59.98	59.98
Flow Max(cfs):	1.333	1.441	7.994	5.862	1.441
Runoff Volume(in):	9.481	8.853	8.595	8.853	8.852
Runoff Volume(ft3):	87757.248	89984.766	506032.936	366676.316	89973.860

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y072H	025Y072H	025Y072H	025Y072H	025Y072H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	10.580	10.580	10.580	10.580	10.580
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.98	59.99	59.99
Flow Max(cfs):	0.390	0.787	0.186	0.592	1.333
Runoff Volume(in):	10.038	10.149	9.069	9.916	9.481
Runoff Volume(ft3):	26963.998	54892.154	11851.265	40457.407	87763.952

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y168H	025Y168H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.300	13.300	13.300	13.300	13.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.97	160.00	159.93	159.95	160.00

Flow Max(cfs):	8.467	0.512	4.415	6.270	1.077
Runoff Volume(in):	13.062	12.877	12.815	11.256	11.533
Runoff Volume(ft3):	1018493.349	60767.711	521470.833	662761.251	115962.232

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y168H	025Y168H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.300	13.300	13.300	13.300	13.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.98	159.99	160.00	160.00
Flow Max(cfs):	13.346	5.682	1.057	1.000	1.089
Runoff Volume(in):	11.793	11.796	10.572	12.184	11.533
Runoff Volume(ft3):	1464054.198	623446.631	106305.788	112779.138	117218.140

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y168H	025Y168H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.300	13.300	13.300	13.300	13.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.84	160.00	160.00	160.00	160.00
Flow Max(cfs):	6.269	4.435	1.089	0.291	0.587
Runoff Volume(in):	11.252	11.528	11.532	12.755	12.866
Runoff Volume(ft3):	662512.552	477451.912	117211.021	34262.978	69589.990

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y240H	025Y240H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-240	FDOT-240
Rain Amount(in):	13.300	13.300	13.300	14.600	14.600
Duration(hrs):	168.00	168.00	168.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.99	159.95	183.99	184.00
Flow Max(cfs):	0.140	0.442	1.000	10.889	0.659
Runoff Volume(in):	11.758	12.630	12.188	14.363	14.177
Runoff Volume(ft3):	15365.564	51532.598	112814.203	1119925.019	66901.754

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	025Y240H	025Y240H	025Y240H	025Y240H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	14.600	14.600	14.600	14.600	14.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.96	184.00	183.97	183.96
Flow Max(cfs):	5.677	8.034	1.383	17.135	7.296
Runoff Volume(in):	14.117	12.543	12.819	13.087	13.087
Runoff Volume(ft3):	574463.994	738498.060	128891.799	1624645.058	691686.808

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	025Y240H	025Y240H	025Y240H	025Y240H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	14.600	14.600	14.600	14.600	14.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.99	183.98	184.00	183.98	183.94
Flow Max(cfs):	1.353	1.285	1.398	8.034	5.690
Runoff Volume(in):	11.837	13.482	12.819	12.543	12.817
Runoff Volume(ft3):	119023.708	124792.852	130287.739	738512.584	530842.003

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	025Y240H	025Y240H	025Y240H	025Y240H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	14.600	14.600	14.600	14.600	14.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.98	184.01	183.99	184.00	184.01
Flow Max(cfs):	1.397	0.375	0.755	0.180	0.569
Runoff Volume(in):	12.818	14.055	14.167	13.048	13.930
Runoff Volume(ft3):	130286.115	37754.775	76623.738	17050.594	56835.554

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	050Y001H	050Y001H	050Y001H	050Y001H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-240	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	14.600	3.820	3.820	3.820	3.820
Duration(hrs):	240.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	0.83	0.62	0.89	1.30
Flow Max(cfs):	1.285	89.167	8.292	37.892	21.326
Runoff Volume(in):	13.481	3.578	3.416	3.358	2.210
Runoff Volume(ft3):	124790.546	278996.734	16120.262	136644.910	130105.808

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y001H	050Y001H	050Y001H	050Y001H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.820	3.820	3.820	3.820	3.820
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.64	0.94	0.86	0.68	0.93
Flow Max(cfs):	13.247	87.081	41.555	10.138	7.671
Runoff Volume(in):	2.385	2.553	2.552	1.818	2.833
Runoff Volume(ft3):	23980.383	316891.888	134885.854	18275.684	26222.990

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y001H	050Y001H	050Y001H	050Y001H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.820	3.820	3.820	3.820	3.820
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.64	1.30	0.94	0.69	0.65
Flow Max(cfs):	13.390	21.212	27.146	12.525	4.387
Runoff Volume(in):	2.385	2.211	2.374	2.381	3.306
Runoff Volume(ft3):	24240.098	130158.174	98331.709	24196.725	8879.248

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y001H	050Y001H	050Y001H	050Y002H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-2
Rain Amount(in):	3.820	3.820	3.820	3.820	4.750
Duration(hrs):	1.00	1.00	1.00	1.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.63	0.64	0.66	0.84	1.02
Flow Max(cfs):	9.081	1.817	6.268	8.152	77.508
Runoff Volume(in):	3.405	2.536	3.197	2.843	4.501
Runoff Volume(ft3):	18416.199	3314.181	13044.033	26315.214	350958.073

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y002H	050Y002H	050Y002H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.750	4.750	4.750	4.750	4.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.82	1.05	1.62	0.84	1.11
Flow Max(cfs):	6.823	34.306	22.657	11.717	81.454
Runoff Volume(in):	4.340	4.260	3.021	3.236	3.417
Runoff Volume(ft3):	20482.551	173341.190	177865.069	32535.793	424167.962

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y002H	050Y002H	050Y002H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.750	4.750	4.750	4.750	4.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.08	0.85	1.08	0.84	1.63
Flow Max(cfs):	38.216	9.324	7.035	11.844	22.570
Runoff Volume(in):	3.408	2.580	3.708	3.236	3.025
Runoff Volume(ft3):	180138.377	25943.930	34323.876	32888.166	178135.798

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y002H	050Y002H	050Y002H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.750	4.750	4.750	4.750	4.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.11	0.84	0.83	0.84	0.84
Flow Max(cfs):	25.544	11.141	3.676	7.552	1.590
Runoff Volume(in):	3.218	3.225	4.225	4.320	3.403
Runoff Volume(ft3):	133281.845	32783.637	11349.104	23365.568	4447.594

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y004H	050Y004H	050Y004H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-2	FDOT-2	FDOT-4	FDOT-4	FDOT-4

Rain Amount(in):	4.750	4.750	5.980	5.980	5.980
Duration(hrs):	2.00	2.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.86	1.05	2.22	2.02	2.51
Flow Max(cfs):	5.330	7.419	56.413	3.952	27.224
Runoff Volume(in):	4.107	3.723	5.730	5.566	5.503
Runoff Volume(ft3):	16755.128	34461.051	446764.426	26264.987	223918.790

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y004H	050Y004H	050Y004H	050Y004H	050Y004H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.980	5.980	5.980	5.980	5.980
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.08	2.04	2.65	2.59	2.05
Flow Max(cfs):	24.941	7.232	72.500	32.314	6.093
Runoff Volume(in):	4.156	4.392	4.591	4.599	3.659
Runoff Volume(ft3):	244681.753	44164.955	570001.980	243089.587	36794.295

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y004H	050Y004H	050Y004H	050Y004H	050Y004H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.980	5.980	5.980	5.980	5.980
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.62	2.04	3.10	2.64	2.06
Flow Max(cfs):	5.841	7.310	24.878	23.289	7.165
Runoff Volume(in):	4.924	4.392	4.160	4.374	4.388
Runoff Volume(ft3):	45578.888	44643.276	244962.842	181160.641	44596.345

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y004H	050Y004H	050Y004H	050Y004H	050Y004H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.980	5.980	5.980	5.980	5.980
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.03	2.04	2.03	2.52

Flow Max(cfs):	2.202	4.481	0.971	3.278	5.980
Runoff Volume(in):	5.447	5.551	4.576	5.331	4.937
Runoff Volume(ft3):	14631.911	30023.978	5979.804	21752.419	45703.168

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y008H	050Y008H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.130	7.130	7.130	7.130	7.130
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.07	4.00	4.13	4.54	4.00
Flow Max(cfs):	58.332	3.902	28.205	25.455	7.664
Runoff Volume(in):	6.881	6.713	6.643	5.255	5.493
Runoff Volume(ft3):	536549.752	31678.570	270332.621	309428.605	55233.891

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y008H	050Y008H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.130	7.130	7.130	7.130	7.130
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.18	4.10	4.00	4.09	4.00
Flow Max(cfs):	76.992	34.667	6.922	6.187	7.747
Runoff Volume(in):	5.709	5.721	4.703	6.057	5.493
Runoff Volume(ft3):	708742.471	302349.528	47285.214	56067.816	55832.092

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y008H	050Y008H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.130	7.130	7.130	7.130	7.130
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.57	4.17	4.01	3.98	3.98
Flow Max(cfs):	25.318	24.916	7.701	2.211	4.469
Runoff Volume(in):	5.264	5.477	5.490	6.594	6.699
Runoff Volume(ft3):	309950.748	226863.929	55802.219	17712.651	36234.110

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y024H	050Y024H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-24	FDOT-24
Rain Amount(in):	7.130	7.130	7.130	9.300	9.300
Duration(hrs):	8.00	8.00	8.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	3.98	4.06	12.07	12.00
Flow Max(cfs):	1.015	3.336	6.366	19.443	1.212
Runoff Volume(in):	5.688	6.476	6.065	9.059	8.880
Runoff Volume(ft3):	7432.788	26422.364	56141.043	706345.136	41904.013

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y024H	050Y024H	050Y024H	050Y024H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	9.300	9.300	9.300	9.300	9.300
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.07	12.49	12.00	12.12	12.10
Flow Max(cfs):	9.861	11.508	2.413	28.276	12.274
Runoff Volume(in):	8.820	7.339	7.600	7.844	7.844
Runoff Volume(ft3):	358912.762	432098.053	76415.703	973798.724	414563.422

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y024H	050Y024H	050Y024H	050Y024H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	9.300	9.300	9.300	9.300	9.300
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.99	12.11	12.00	12.40	12.10
Flow Max(cfs):	2.215	2.190	2.439	11.477	9.237
Runoff Volume(in):	6.730	8.212	7.600	7.351	7.594
Runoff Volume(ft3):	67666.647	76013.591	77243.310	432791.082	314545.425

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y024H	050Y024H	050Y024H	050Y024H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	9.300	9.300	9.300	9.300	9.300
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.99	11.99	11.98	12.00	11.99
Flow Max(cfs):	2.437	0.688	1.389	0.319	1.041
Runoff Volume(in):	7.598	8.760	8.869	7.809	8.639
Runoff Volume(ft3):	77228.138	23530.347	47971.434	10204.866	35246.540

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y072H	050Y072H	050Y072H	050Y072H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-24	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	9.300	11.950	11.950	11.950	11.950
Duration(hrs):	24.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.04	59.97	59.98	59.95	60.02
Flow Max(cfs):	2.212	12.825	0.775	6.684	9.106
Runoff Volume(in):	8.208	11.713	11.528	11.466	9.931
Runoff Volume(ft3):	75978.176	913260.247	54400.397	466585.642	584700.931

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y072H	050Y072H	050Y072H	050Y072H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	11.950	11.950	11.950	11.950	11.950
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.97	59.99	59.99
Flow Max(cfs):	1.619	20.084	8.552	1.572	1.509
Runoff Volume(in):	10.201	10.457	10.461	9.265	10.842
Runoff Volume(ft3):	102570.044	1298225.902	552874.842	93163.351	100355.208

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y072H	050Y072H	050Y072H	050Y072H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	11.950	11.950	11.950	11.950	11.950
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	60.02	59.98	59.98	59.98
Flow Max(cfs):	1.636	9.099	6.658	1.636	0.441
Runoff Volume(in):	10.201	9.934	10.200	10.200	11.406
Runoff Volume(ft3):	103680.911	584910.465	422486.557	103668.547	30639.217

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y072H	050Y072H	050Y072H	050Y168H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-168
Rain Amount(in):	11.950	11.950	11.950	11.950	14.700
Duration(hrs):	72.00	72.00	72.00	72.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.98	59.99	59.99	159.97
Flow Max(cfs):	0.889	0.211	0.669	1.509	9.358
Runoff Volume(in):	11.518	10.422	11.283	10.842	14.462
Runoff Volume(ft3):	62297.370	13619.309	46035.350	100362.791	1127665.937

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y168H	050Y168H	050Y168H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	14.700	14.700	14.700	14.700	14.700
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.93	159.95	160.00	160.00
Flow Max(cfs):	0.566	4.881	6.952	1.193	14.777
Runoff Volume(in):	14.277	14.214	12.635	12.917	13.182
Runoff Volume(ft3):	67372.698	578402.253	743935.033	129885.414	1636445.255

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y168H	050Y168H	050Y168H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	14.700	14.700	14.700	14.700	14.700
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	159.99	160.00	160.00	159.84
Flow Max(cfs):	6.291	1.174	1.106	1.206	6.952
Runoff Volume(in):	13.185	11.935	13.578	12.917	12.630
Runoff Volume(ft3):	696855.253	120005.173	125681.725	131292.115	743659.392

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y168H	050Y168H	050Y168H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168

Rain Amount(in):	14.700	14.700	14.700	14.700	14.700
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	160.00	160.00	160.00
Flow Max(cfs):	4.914	1.206	0.322	0.649	0.156
Runoff Volume(in):	12.912	12.917	14.154	14.266	13.147
Runoff Volume(ft3):	534780.548	131284.229	38020.917	77159.479	17180.055

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y240H	050Y240H	050Y240H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-168	FDOT-168	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	14.700	14.700	16.500	16.500	16.500
Duration(hrs):	168.00	168.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.99	159.95	183.99	184.00	184.00
Flow Max(cfs):	0.489	1.106	12.307	0.744	6.418
Runoff Volume(in):	14.028	13.582	16.263	16.077	16.017
Runoff Volume(ft3):	57237.323	125720.514	1268101.028	75866.863	651756.923

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y240H	050Y240H	050Y240H	050Y240H	050Y240H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	16.500	16.500	16.500	16.500	16.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	184.00	183.97	183.96	183.99
Flow Max(cfs):	9.122	1.567	19.412	8.265	1.540
Runoff Volume(in):	14.420	14.702	14.974	14.975	13.695
Runoff Volume(ft3):	849002.855	147825.635	1859014.485	791468.441	137702.430

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y240H	050Y240H	050Y240H	050Y240H	050Y240H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	16.500	16.500	16.500	16.500	16.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.98	184.00	183.98	183.94	183.98

Flow Max(cfs):	1.454	1.584	9.122	6.452	1.584
Runoff Volume(in):	15.375	14.702	14.420	14.699	14.701
Runoff Volume(ft3):	142322.021	149426.634	849019.315	608822.325	149424.795

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y240H	050Y240H	050Y240H	050Y240H	050Y240H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	16.500	16.500	16.500	16.500	16.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.01	183.99	184.00	184.01	183.96
Flow Max(cfs):	0.424	0.853	0.204	0.643	1.454
Runoff Volume(in):	15.954	16.066	14.935	15.828	15.375
Runoff Volume(ft3):	42856.147	86898.564	19516.925	64580.739	142319.413

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y001H	100Y001H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	4.180	4.180	4.180	4.180	4.180
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.83	0.62	0.89	1.30	0.64
Flow Max(cfs):	97.953	9.130	41.852	24.356	14.993
Runoff Volume(in):	3.937	3.774	3.714	2.527	2.711
Runoff Volume(ft3):	306945.161	17807.531	151144.242	148757.326	27260.034

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y001H	100Y001H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	4.180	4.180	4.180	4.180	4.180
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.94	0.86	0.66	0.93	0.64
Flow Max(cfs):	98.255	46.901	11.697	8.576	15.155
Runoff Volume(in):	2.886	2.885	2.110	3.176	2.711
Runoff Volume(ft3):	358248.998	152490.216	21212.700	29401.711	27555.269

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y001H	100Y001H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	4.180	4.180	4.180	4.180	4.180
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.30	0.94	0.66	0.65	0.63
Flow Max(cfs):	24.225	30.806	14.172	4.842	10.004
Runoff Volume(in):	2.527	2.699	2.706	3.661	3.762
Runoff Volume(ft3):	148815.648	111791.942	27507.130	9834.591	20348.267

Name:	S-283	S-285	Shepard Basin	Basin A	Basin A1
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y002H	100Y002H
Node:	Upper B3-1	Upper B4-1	PondA	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Comp Time Inc(min):	1.33	1.72	4.20	3.81	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-2	FDOT-2
Rain Amount(in):	4.180	4.180	4.180	5.300	5.300
Duration(hrs):	1.00	1.00	1.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	87.700	94.500	91.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.64	0.66	0.84	1.02	0.82
Flow Max(cfs):	2.046	6.937	9.127	86.796	7.647
Runoff Volume(in):	2.869	3.551	3.187	5.049	4.888
Runoff Volume(ft3):	3749.500	14486.509	29503.309	393663.760	23066.851

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y002H	100Y002H	100Y002H	100Y002H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	5.300	5.300	5.300	5.300	5.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.05	1.62	0.84	1.11	1.08
Flow Max(cfs):	38.642	26.405	13.504	93.978	44.022
Runoff Volume(in):	4.804	3.521	3.749	3.937	3.928
Runoff Volume(ft3):	195470.927	207335.961	37701.537	488811.441	207603.079

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y002H	100Y002H	100Y002H	100Y002H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	5.300	5.300	5.300	5.300	5.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.85	1.08	0.84	1.63	1.11
Flow Max(cfs):	11.015	8.035	13.650	26.301	29.669
Runoff Volume(in):	3.053	4.238	3.749	3.527	3.729
Runoff Volume(ft3):	30698.609	39231.962	38109.857	207642.816	154464.569

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y002H	100Y002H	100Y002H	100Y002H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	5.300	5.300	5.300	5.300	5.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.83	0.84	0.84	0.86
Flow Max(cfs):	12.872	4.132	8.469	1.822	6.006
Runoff Volume(in):	3.738	4.770	4.866	3.925	4.649
Runoff Volume(ft3):	37991.770	12814.385	26319.768	5129.134	18969.184

Name:	Shepard Basin	Basin A	Basin A1	Basin B	Basin OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y004H	100Y004H	100Y004H	100Y004H
Node:	PondA	Tw-out	Upper A1	Tw-out	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Comp Time Inc(min):	4.20	3.81	1.33	4.86	9.73
Rain File:	FDOT-2	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.300	6.530	6.530	6.530	6.530
Duration(hrs):	2.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	28.59	10.00	36.46	73.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	21.480	1.300	11.210	16.220
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	91.000	98.000	96.480	96.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.05	2.22	2.02	2.51	3.08
Flow Max(cfs):	8.471	61.693	4.324	29.841	27.917
Runoff Volume(in):	4.255	6.278	6.114	6.050	4.670
Runoff Volume(ft3):	39385.897	489519.500	28853.471	246192.550	274990.637

Name:	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y004H	100Y004H	100Y004H	100Y004H
Node:	PondA	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Comp Time Inc(min):	1.33	5.12	4.32	1.41	4.63
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	6.530	6.530	6.530	6.530	6.530
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	38.40	32.40	10.60	34.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	34.200	14.560	2.770	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	88.000	88.000	79.000	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.65	2.59	2.05	2.54
Flow Max(cfs):	8.057	80.458	35.834	6.906	6.450
Runoff Volume(in):	4.917	5.121	5.130	4.154	5.462
Runoff Volume(ft3):	49440.569	635745.356	271119.886	41765.425	50557.721

Name:	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B	S-277
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y004H	100Y004H	100Y004H	100Y004H
Node:	ExTw-out	ExTw-out	Tw-out	Tw-out	Upper B1-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Comp Time Inc(min):	1.33	9.79	5.11	1.58	1.55
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	6.530	6.530	6.530	6.530	6.530
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	73.40	38.34	11.86	11.63
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	16.220	11.410	2.800	0.740
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	84.000	86.000	86.000	95.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	3.10	2.64	2.06	2.04
Flow Max(cfs):	8.144	27.843	25.944	7.988	2.413
Runoff Volume(in):	4.917	4.676	4.897	4.912	5.994
Runoff Volume(ft3):	49976.026	275300.384	202815.699	49924.414	16101.295

Name:	S-280	S-283	S-285	Shepard Basin	Basin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y004H	100Y004H	100Y004H	100Y008H
Node:	Upper B2-1	Upper B3-1	Upper B4-1	PondA	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Comp Time Inc(min):	1.52	1.33	1.72	4.20	3.81
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-8
Rain Amount(in):	6.530	6.530	6.530	6.530	7.870
Duration(hrs):	4.00	4.00	4.00	4.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.40	10.00	12.88	31.50	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.490	0.360	1.124	2.550	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	96.400	87.700	94.500	91.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.03	2.04	2.03	2.52	4.07
Flow Max(cfs):	4.905	1.078	3.598	6.600	64.426
Runoff Volume(in):	6.099	5.106	5.877	5.477	7.620
Runoff Volume(ft3):	32987.651	6672.825	23978.637	50693.860	594131.822

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y008H	100Y008H	100Y008H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.870	7.870	7.870	7.870	7.870
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.13	4.54	4.00	4.18
Flow Max(cfs):	4.312	31.212	28.826	8.570	86.263
Runoff Volume(in):	7.452	7.380	5.961	6.208	6.429
Runoff Volume(ft3):	35164.443	300318.138	351003.135	62422.780	798149.960

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y008H	100Y008H	100Y008H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8

Rain Amount(in):	7.870	7.870	7.870	7.870	7.870
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.10	4.00	4.09	4.00	4.57
Flow Max(cfs):	38.821	7.838	6.895	8.663	28.665
Runoff Volume(in):	6.442	5.386	6.786	6.208	5.971
Runoff Volume(ft3):	340480.039	54157.300	62810.877	63098.839	351583.917

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y008H	100Y008H	100Y008H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.870	7.870	7.870	7.870	7.870
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.17	4.01	3.98	3.98	4.00
Flow Max(cfs):	28.026	8.616	2.445	4.939	1.132
Runoff Volume(in):	6.191	6.205	7.331	7.437	6.408
Runoff Volume(ft3):	256403.950	63065.669	19693.313	40226.645	8374.586

Name:	S-285	Shepard Basin	Basin A	Basin A1	Basin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y024H	100Y024H	100Y024H
Node:	Upper B4-1	PondA	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Comp Time Inc(min):	1.72	4.20	3.81	1.33	4.86
Rain File:	FDOT-8	FDOT-8	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.870	7.870	10.600	10.600	10.600
Duration(hrs):	8.00	8.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	94.500	91.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.98	4.06	12.07	12.00	12.07
Flow Max(cfs):	3.693	7.093	22.170	1.383	11.259
Runoff Volume(in):	7.212	6.794	10.358	10.179	10.118
Runoff Volume(ft3):	29425.469	62891.914	807662.441	48033.511	411738.855

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y024H	100Y024H	100Y024H	100Y024H	100Y024H
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.49	12.00	12.12	12.10	11.99

Flow Max(cfs):	13.409	2.790	32.633	14.160	2.598
Runoff Volume(in):	8.601	8.873	9.124	9.124	7.967
Runoff Volume(ft3):	506436.028	89218.280	1132751.025	482232.489	80105.656

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y024H	100Y024H	100Y024H	100Y024H	100Y024H
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.11	12.00	12.40	12.10	11.99
Flow Max(cfs):	2.514	2.820	13.381	10.702	2.818
Runoff Volume(in):	9.501	8.873	8.615	8.867	8.871
Runoff Volume(ft3):	87947.500	90184.543	507231.063	367248.793	90167.165

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y024H	100Y024H	100Y024H	100Y024H	100Y024H
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	11.99	11.98	12.00	11.99	12.04
Flow Max(cfs):	0.785	1.585	0.367	1.189	2.540
Runoff Volume(in):	10.057	10.168	9.089	9.935	9.497
Runoff Volume(ft3):	27016.022	54995.710	11877.065	40535.550	87907.049

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y072H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	13.750	13.750	13.750	13.750	13.750
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.98	59.95	60.02	59.98
Flow Max(cfs):	14.758	0.893	7.694	10.553	1.872
Runoff Volume(in):	13.513	13.327	13.265	11.699	11.978
Runoff Volume(ft3):	1053624.876	62891.622	539772.094	688792.640	120436.353

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y072H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	13.750	13.750	13.750	13.750	13.750
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.97	59.99	59.99	59.98
Flow Max(cfs):	23.198	9.878	1.829	1.740	1.892
Runoff Volume(in):	12.240	12.244	11.009	12.632	11.978
Runoff Volume(ft3):	1519570.750	647135.814	110696.525	116931.810	121740.718

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y072H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	13.750	13.750	13.750	13.750	13.750
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	60.02	59.98	59.98	59.98	59.99
Flow Max(cfs):	10.545	7.701	1.892	0.508	1.023
Runoff Volume(in):	11.703	11.977	11.976	13.204	13.317
Runoff Volume(ft3):	689034.827	496078.234	121726.442	35469.756	72029.152

Name:	S-283	S-285	Shepard Basin	Soldier Crk	Basin A
Group:	BASE	BASE	BASE	HydroTest	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y168H
Node:	Upper B3-1	Upper B4-1	PondA	Lk Jessup	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	63.87	3.81
Comp Time Inc(min):	1.33	1.72	4.20	15.00	3.81
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-168
Rain Amount(in):	13.750	13.750	13.750	13.750	16.800
Duration(hrs):	72.00	72.00	72.00	72.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	479.00	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	17408.000	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	87.700	94.500	91.000	90.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.99	65.25	159.97
Flow Max(cfs):	0.244	0.771	1.740	6459.952	10.696
Runoff Volume(in):	12.204	13.080	12.633	12.501	16.563
Runoff Volume(ft3):	15948.737	53368.082	116940.548	789942251.679	1291431.854

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y168H	100Y168H
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	16.800	16.800	16.800	16.800	16.800
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.93	159.95	160.00	160.00
Flow Max(cfs):	0.647	5.579	7.974	1.367	16.920
Runoff Volume(in):	16.377	16.313	14.709	14.999	15.268
Runoff Volume(ft3):	77281.505	663814.181	866052.294	150816.509	1895449.486

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y168H	100Y168H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	16.800	16.800	16.800	16.800	16.800
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	159.99	160.00	160.00	159.84
Flow Max(cfs):	7.204	1.350	1.265	1.382	7.973
Runoff Volume(in):	15.272	13.989	15.670	14.999	14.704
Runoff Volume(ft3):	807145.960	140660.594	145052.947	152449.901	865736.323

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y168H	100Y168H
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	16.800	16.800	16.800	16.800	16.800
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	160.00	160.00	160.00	160.00
Flow Max(cfs):	5.630	1.382	0.368	0.742	0.178
Runoff Volume(in):	14.993	14.998	16.253	16.365	15.233
Runoff Volume(ft3):	620964.365	152440.868	43659.063	88515.303	19906.413

Name:	S-285	Shepard Basin	Soldier Crk	Basin A	Basin A1
Group:	BASE	BASE	HydroTest	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y240H	100Y240H
Node:	Upper B4-1	PondA	Lk Jessup	Tw-out	Upper A1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.72	4.20	63.87	3.81	1.33
Comp Time Inc(min):	1.72	4.20	15.00	3.81	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-240	FDOT-240
Rain Amount(in):	16.800	16.800	16.800	18.500	18.500
Duration(hrs):	168.00	168.00	168.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.88	31.50	479.00	28.59	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.124	2.550	17408.000	21.480	1.300
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	94.500	91.000	90.000	98.000	96.480
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.99	159.95	162.50	183.99	184.00
Flow Max(cfs):	0.559	1.265	5917.022	13.800	0.835
Runoff Volume(in):	16.126	15.675	15.536	18.264	18.077
Runoff Volume(ft3):	65797.230	145097.318	981753844.360	1424081.295	85304.864

Name:	Basin B	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	100Y240H	100Y240H	100Y240H
Node:	Tw-out	PondA	PondA	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Comp Time Inc(min):	4.86	9.73	1.33	5.12	4.32
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	18.500	18.500	18.500	18.500	18.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	36.46	73.00	10.00	38.40	32.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	11.210	16.220	2.770	34.200	14.560
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.000	84.000	86.000	88.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.96	184.00	183.97	183.96
Flow Max(cfs):	7.197	10.264	1.762	21.806	9.284
Runoff Volume(in):	18.016	16.400	16.687	16.964	16.965
Runoff Volume(ft3):	733129.547	965610.178	167793.079	2106052.303	896643.571

Name:	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	100Y240H	100Y240H	100Y240H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Comp Time Inc(min):	1.41	4.63	1.33	9.79	5.11
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	18.500	18.500	18.500	18.500	18.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.60	34.70	10.00	73.40	38.34
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.770	2.550	2.800	16.220	11.410
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	79.000	91.000	86.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.99	183.98	184.00	183.98	183.94
Flow Max(cfs):	1.736	1.632	1.781	10.264	7.253
Runoff Volume(in):	15.659	17.370	16.687	16.400	16.685
Runoff Volume(ft3):	157450.521	160787.541	169610.333	965628.674	691059.677

Name:	OffSite B	S-277	S-280	S-283	S-285
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	100Y240H	100Y240H	100Y240H
Node:	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Comp Time Inc(min):	1.58	1.55	1.52	1.33	1.72
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	18.500	18.500	18.500	18.500	18.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.86	11.63	11.40	10.00	12.88
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.800	0.740	1.490	0.360	1.124
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	95.500	96.400	87.700	94.500
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.98	184.01	183.99	184.00	184.01
Flow Max(cfs):	1.781	0.475	0.957	0.230	0.721
Runoff Volume(in):	16.687	17.954	18.066	16.924	17.827
Runoff Volume(ft3):	169608.267	48226.989	97715.421	22116.754	72735.790

Name:	Shepard Basin	Soldier Crk	Basin A	Basin A1	Basin B
Group:	BASE	HydroTest	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	PondA	Lk Jessup	Tw-out	Upper A1	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.20	63.87	3.81	1.33	4.86
Comp Time Inc(min):	4.20	15.00	3.81	1.33	4.86
Rain File:	FDOT-240	FDOT-240	Flmod	Flmod	Flmod

Rain Amount(in):	18.500	18.500	5.400	5.400	5.400
Duration(hrs):	240.00	240.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	31.50	479.00	28.59	10.00	36.46
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	17408.000	21.480	1.300	11.210
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	91.000	90.000	98.000	96.480	96.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	186.75	12.20	12.02	12.32
Flow Max(cfs):	1.632	7408.148	50.502	4.537	22.811
Runoff Volume(in):	17.370	17.230	5.162	4.988	4.931
Runoff Volume(ft3):	160784.614	1088790695.783	402509.353	23536.953	200671.843

Name:	Basin OffSouth	Basin PondA	ExBasin A	ExBasin B	ExBasin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	PondA	PondA	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Comp Time Inc(min):	9.73	1.33	5.12	4.32	1.41
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	5.400	5.400	5.400	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.00	10.00	38.40	32.40	10.60
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	2.770	34.200	14.560	2.770
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	88.000	88.000	79.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.65	12.04	12.29	12.24	12.04
Flow Max(cfs):	17.147	8.164	58.816	27.479	6.676
Runoff Volume(in):	3.632	3.844	4.051	4.051	3.149
Runoff Volume(ft3):	213857.594	38647.182	502882.397	214085.344	31666.755

Name:	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth	Offsite A	OffSite B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	ExTw-out	ExTw-out	ExTw-out	Tw-out	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Comp Time Inc(min):	4.63	1.33	9.79	5.11	1.58
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	5.400	5.400	5.400	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	34.70	10.00	73.40	38.34	11.86
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	2.550	2.800	16.220	11.410	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.000	86.000	84.000	86.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.26	12.04	12.72	12.35	12.04
Flow Max(cfs):	4.941	8.252	17.190	18.773	7.818
Runoff Volume(in):	4.372	3.844	3.639	3.841	3.843
Runoff Volume(ft3):	40470.010	39065.743	214241.774	159069.084	39057.245

Name:	S-277	S-280	S-283	S-285	Shepard Basin
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	Upper B1-1	Upper B2-1	Upper B3-1	Upper B4-1	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Comp Time Inc(min):	1.55	1.52	1.33	1.72	4.20
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	5.400	5.400	5.400	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	11.63	11.40	10.00	12.88	31.50
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.740	1.490	0.360	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.500	96.400	87.700	94.500	91.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.04	12.03	12.04	12.05	12.25

Flow Max(cfs):	2.450	5.002	1.100	3.560	5.192
Runoff Volume(in):	4.874	4.978	4.020	4.761	4.370
Runoff Volume(ft3):	13093.041	26924.279	5253.723	19423.752	40449.757

Name:	Basin A	Basin A1	Basin B	Basin OffSouth	Basin PondA
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H
Node:	Tw-out	Upper A1	Tw-out	PondA	PondA
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Comp Time Inc(min):	3.81	1.33	4.86	9.73	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	28.59	10.00	36.46	73.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	21.480	1.300	11.210	16.220	2.770
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	98.000	96.480	96.000	84.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.20	12.02	12.32	12.65	12.04
Flow Max(cfs):	80.731	7.292	36.816	31.219	14.262
Runoff Volume(in):	8.359	8.181	8.121	6.663	6.917
Runoff Volume(ft3):	651794.450	38604.462	330478.400	392294.605	69551.874

Name:	ExBasin A	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Comp Time Inc(min):	5.12	4.32	1.41	4.63	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.40	32.40	10.60	34.70	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	34.200	14.560	2.770	2.550	2.800
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	88.000	79.000	91.000	86.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.29	12.24	12.04	12.26	12.04
Flow Max(cfs):	101.921	47.536	12.679	8.299	14.417
Runoff Volume(in):	7.157	7.157	6.070	7.519	6.917
Runoff Volume(ft3):	888483.494	378243.073	61032.505	69599.375	70305.144

Name:	ExBsn OffSouth	Offsite A	OffSite B	S-277	S-280
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H
Node:	ExTw-out	Tw-out	Tw-out	Upper B1-1	Upper B2-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Comp Time Inc(min):	9.79	5.11	1.58	1.55	1.52
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	73.40	38.34	11.86	11.63	11.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	16.220	11.410	2.800	0.740	1.490
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	84.000	86.000	86.000	95.500	96.400
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.72	12.27	12.04	12.04	12.03
Flow Max(cfs):	31.200	33.122	13.708	3.958	8.044
Runoff Volume(in):	6.674	6.912	6.916	8.061	8.170
Runoff Volume(ft3):	392933.149	286289.564	70291.150	21654.317	44190.263

Name:	S-283	S-285	Shepard Basin	Soldier Crk	Basin A
Group:	BASE	BASE	BASE	HydroTest	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJRMean
Node:	Upper B3-1	Upper B4-1	PondA	Lk Jessup	Tw-out
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.72	4.20	63.87	3.81
Comp Time Inc(min):	1.33	1.72	4.20	15.00	3.81
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.88	31.50	479.00	28.59
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	0.360	1.124	2.550	17408.000	21.480
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	87.700	94.500	91.000	90.000	98.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.02	12.05	12.25	17.50	12.20
Flow Max(cfs):	1.890	5.790	8.710	9149.778	41.976
Runoff Volume(in):	7.122	7.941	7.515	7.397	4.264
Runoff Volume(ft3):	9307.482	32400.583	69566.643	467404456.341	332450.676

Name:	Basin A1	Basin B	Basin OffSouth	Basin PondA	ExBasin A
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJRMean	SJRMean	SJRMean	SJRMean	SJRMean
Node:	Upper A1	Tw-out	PondA	PondA	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Comp Time Inc(min):	1.33	4.86	9.73	1.33	5.12
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	4.500	4.500	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	36.46	73.00	10.00	38.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	11.210	16.220	2.770	34.200
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	96.480	96.000	84.000	86.000	88.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.02	12.32	12.65	12.04	12.29
Flow Max(cfs):	3.757	18.844	13.245	6.441	46.635
Runoff Volume(in):	4.092	4.037	2.812	3.005	3.197
Runoff Volume(ft3):	19308.778	164269.115	165540.905	30210.681	396855.580

Name:	ExBasin B	ExBasin PondA	ExBasin Shepard	ExBsn OffS B	ExBsn OffSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJRMean	SJRMean	SJRMean	SJRMean	SJRMean
Node:	ExTw-out	ExTw-out	ExTw-out	ExTw-out	ExTw-out
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Comp Time Inc(min):	4.32	1.41	4.63	1.33	9.79
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	4.500	4.500	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	32.40	10.60	34.70	10.00	73.40
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	14.560	2.770	2.550	2.800	16.220
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	88.000	79.000	91.000	86.000	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.24	12.04	12.26	12.04	12.72
Flow Max(cfs):	21.808	5.036	3.986	6.511	13.300
Runoff Volume(in):	3.197	2.377	3.499	3.005	2.817
Runoff Volume(ft3):	168947.752	23897.930	32386.034	30537.873	165852.626

Name:	Offsite A	OffSite B	S-277	S-280	S-283
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJRMean	SJRMean	SJRMean	SJRMean	SJRMean
Node:	Tw-out	Tw-out	Upper B1-1	Upper B2-1	Upper B3-1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Comp Time Inc(min):	5.11	1.58	1.55	1.52	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	4.500	4.500	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	38.34	11.86	11.63	11.40	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	11.410	2.800	0.740	1.490	0.360
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	86.000	86.000	95.500	96.400	87.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.35	12.04	12.04	12.03	12.04
Flow Max(cfs):	14.742	6.156	2.022	4.141	0.876
Runoff Volume(in):	3.002	3.004	3.981	4.082	3.168
Runoff Volume(ft3):	124340.812	30530.940	10693.889	22079.664	4140.223

Name:	S-285	Shepard Basin
Group:	BASE	BASE
Simulation:	SJRMean	SJRMean
Node:	Upper B4-1	PondA
Type:	SCS	SCS
Unit Hydrograph:	Uh323	Uh323
Peaking Factor:	323.0	323.0
Spec Time Inc(min):	1.72	4.20
Comp Time Inc(min):	1.72	4.20
Rain File:	Flmod	Flmod
Rain Amount(in):	4.500	4.500
Duration(hrs):	24.00	24.00
Status:	Onsite	Onsite
TC(min):	12.88	31.50
Time Shift(hrs):	0.00	0.00
Area(ac):	1.124	2.550
Vol of Unit Hyd(in):	1.000	1.000
Curve Num:	94.500	91.000
DCIA(%):	0.000	0.000
Time Max(hrs):	12.05	12.25
Flow Max(cfs):	2.926	4.192
Runoff Volume(in):	3.871	3.497
Runoff Volume(ft3):	15793.344	32369.320

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExTw-out	002Y001H	13.000	17.500	0.0000	0	73.485	0.000
ExTw-out	002Y002H	13.000	17.500	0.0000	0	67.799	0.000
ExTw-out	002Y004H	13.020	17.500	0.0002	0	64.681	0.000
ExTw-out	002Y008H	13.322	17.500	0.0015	0	65.111	0.000
ExTw-out	002Y024H	15.099	17.500	0.0056	0	25.513	0.000
ExTw-out	002Y072H	15.100	17.500	0.0039	0	19.543	0.000
ExTw-out	002Y168H	15.100	17.500	0.0024	0	15.226	0.000
ExTw-out	002Y240H	15.100	17.500	0.0031	0	19.950	0.000
ExTw-out	005Y001H	13.000	17.500	0.0000	0	100.495	0.000
ExTw-out	005Y002H	13.000	17.500	0.0001	0	100.453	0.000
ExTw-out	005Y004H	13.027	17.500	0.0002	0	89.708	0.000
ExTw-out	005Y008H	13.425	17.500	0.0016	0	90.940	0.000
ExTw-out	005Y024H	15.749	17.500	0.0091	0	36.210	0.000
ExTw-out	005Y072H	15.750	17.500	0.0051	0	26.407	0.000
ExTw-out	005Y168H	15.750	17.500	0.0032	0	19.874	0.000
ExTw-out	005Y240H	15.750	17.500	0.0041	0	26.184	0.000
ExTw-out	010Y001H	13.000	17.500	0.0000	0	117.206	0.000
ExTw-out	010Y002H	13.000	17.500	0.0000	0	110.933	0.000
ExTw-out	010Y004H	13.027	17.500	0.0002	0	105.631	0.000
ExTw-out	010Y008H	13.501	17.500	0.0016	0	108.705	0.000
ExTw-out	010Y024H	16.200	17.500	0.0105	0	43.688	0.000
ExTw-out	010Y072H	16.200	17.500	0.0059	0	30.877	0.000
ExTw-out	010Y168H	16.199	17.500	0.0037	0	23.945	0.000
ExTw-out	010Y240H	16.199	17.500	0.0047	0	31.092	0.000
ExTw-out	025Y001H	13.000	17.500	0.0000	0	139.911	0.000
ExTw-out	025Y002H	13.000	17.500	0.0000	0	134.296	0.000
ExTw-out	025Y004H	13.033	17.500	0.0003	0	128.089	0.000
ExTw-out	025Y008H	13.586	17.500	0.0018	0	133.395	0.000
ExTw-out	025Y024H	16.799	17.500	0.0125	0	53.262	0.000
ExTw-out	025Y072H	16.800	17.500	0.0071	0	37.362	0.000
ExTw-out	025Y168H	16.800	17.500	0.0044	0	28.441	0.000
ExTw-out	025Y240H	16.800	17.500	0.0056	0	36.497	0.000
ExTw-out	050Y001H	13.000	17.500	0.0000	0	161.248	0.000
ExTw-out	050Y002H	13.000	17.500	0.0001	0	153.662	0.000
ExTw-out	050Y004H	13.040	17.500	0.0003	0	143.655	0.000
ExTw-out	050Y008H	13.662	17.500	0.0016	0	151.996	0.000
ExTw-out	050Y024H	17.249	17.500	0.0140	0	58.201	0.000
ExTw-out	050Y072H	17.249	17.500	0.0079	0	42.418	0.000
ExTw-out	050Y168H	17.249	17.500	0.0049	0	31.505	0.000
ExTw-out	050Y240H	17.250	17.500	0.0063	0	41.375	0.000
ExTw-out	100Y001H	13.000	17.500	0.0000	0	182.240	0.000
ExTw-out	100Y002H	13.000	17.500	0.0000	0	177.605	0.000
ExTw-out	100Y004H	13.047	17.500	0.0003	0	159.857	0.000
ExTw-out	100Y008H	13.728	17.500	0.0018	0	170.845	0.000
ExTw-out	100Y024H	17.700	17.500	0.0155	0	67.355	0.000
ExTw-out	100Y072H	17.699	17.500	0.0087	0	49.042	0.000
ExTw-out	100Y168H	17.700	17.500	0.0055	0	36.092	0.000
ExTw-out	100Y240H	17.700	17.500	0.0069	0	46.499	0.000
ExTw-out	3Yr24Hr	15.399	17.500	0.0079	0	111.607	0.000
ExTw-out	SJR25Y24H	16.799	17.500	0.0125	0	195.458	0.000
ExTw-out	SJRMean	15.400	17.500	0.0079	0	88.023	0.000
PondA	002Y001H	31.331	35.000	0.0030	41956	12.667	0.455
PondA	002Y002H	32.209	35.000	0.0029	44633	13.428	0.789
PondA	002Y004H	32.789	35.000	0.0030	46402	15.174	2.154
PondA	002Y008H	33.100	35.000	0.0031	47393	14.143	3.155
PondA	002Y024H	33.168	35.000	0.0031	47631	6.554	3.393
PondA	002Y072H	33.225	35.000	0.0041	47830	5.549	3.596
PondA	002Y168H	33.249	35.000	0.0033	47913	4.437	3.683
PondA	002Y240H	33.389	35.000	0.0050	48401	5.803	4.205
PondA	005Y001H	31.838	35.000	0.0030	43502	17.485	0.534
PondA	005Y002H	33.017	35.000	0.0031	47103	20.114	2.871
PondA	005Y004H	33.554	35.000	0.0031	48975	21.280	4.853
PondA	005Y008H	33.826	35.000	-0.0035	49923	20.249	5.999
PondA	005Y024H	33.751	35.000	0.0031	49663	9.496	5.675
PondA	005Y072H	33.639	35.000	0.0040	49271	7.552	5.201
PondA	005Y168H	33.611	35.000	0.0035	49173	5.813	5.085
PondA	005Y240H	33.919	35.000	0.0044	50247	7.649	6.410
PondA	010Y001H	32.146	35.000	0.0030	44440	20.496	0.696
PondA	010Y002H	33.236	35.000	0.0031	47866	22.274	3.633
PondA	010Y004H	33.997	35.000	-0.0044	50520	25.167	6.765
PondA	010Y008H	34.283	35.000	-0.0035	51515	24.493	8.117
PondA	010Y024H	34.140	35.000	-0.0031	51019	11.566	7.432
PondA	010Y072H	33.879	35.000	0.0044	50107	8.857	6.231
PondA	010Y168H	33.881	35.000	0.0041	50116	7.017	6.242
PondA	010Y240H	34.257	35.000	0.0044	51427	9.102	7.994
PondA	025Y001H	32.547	35.000	0.0031	45663	24.614	1.492
PondA	025Y002H	33.699	35.000	0.0031	49481	27.114	5.454
PondA	025Y004H	34.583	35.000	-0.0050	52562	30.705	9.632
PondA	025Y008H	34.881	35.000	-0.0041	53599	30.448	11.221
PondA	025Y024H	34.594	35.000	-0.0036	52600	14.225	9.690
PondA	025Y072H	34.204	35.000	0.0042	51242	10.750	7.737

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
PondA	025Y168H	34.159	35.000	-0.0040	51085	8.346	7.522
PondA	025Y240H	34.585	35.000	0.0045	52569	10.701	9.642
PondA	050Y001H	32.902	35.000	0.0031	46746	28.508	2.499
PondA	050Y002H	34.063	35.000	-0.0043	50748	31.142	7.068
PondA	050Y004H	34.967	35.000	-0.0050	53898	34.547	11.695
PondA	050Y008H	35.285	35.000	-0.0040	55007	34.964	14.616
PondA	050Y024H	34.812	35.000	-0.0034	53360	15.599	10.847
PondA	050Y072H	34.444	35.000	0.0042	52077	12.224	8.919
PondA	050Y168H	34.339	35.000	-0.0044	51712	9.252	8.395
PondA	050Y240H	34.856	35.000	0.0047	53513	12.142	11.086
PondA	100Y001H	33.234	35.000	0.0031	47860	32.362	3.628
PondA	100Y002H	34.490	35.000	-0.0044	52238	36.207	9.154
PondA	100Y004H	35.315	35.000	-0.0050	55114	38.548	15.462
PondA	100Y008H	35.477	35.000	-0.0037	55676	39.557	21.333
PondA	100Y024H	35.195	35.000	-0.0034	54696	18.146	12.992
PondA	100Y072H	34.744	35.000	0.0042	53121	14.154	10.478
PondA	100Y168H	34.597	35.000	-0.0039	52610	10.606	9.704
PondA	100Y240H	35.124	35.000	0.0039	54447	13.656	12.582
PondA	3Yr24Hr	33.785	35.000	0.0031	49779	23.432	5.819
PondA	SJR25Y24H	35.400	35.000	-0.0050	55410	41.903	18.292
PondA	SJRMean	33.240	35.000	0.0031	47883	18.288	3.651
Tw-out	002Y001H	13.000	17.500	0.0000	0	90.147	0.000
Tw-out	002Y002H	13.000	17.500	0.0000	1	77.535	0.000
Tw-out	002Y004H	13.033	17.500	0.0003	1	60.418	0.000
Tw-out	002Y008H	13.587	17.500	0.0028	0	61.226	0.000
Tw-out	002Y024H	16.799	17.500	0.0100	6	21.186	0.000
Tw-out	002Y072H	16.800	17.500	0.0100	3	17.689	0.000
Tw-out	002Y168H	16.800	17.500	0.0125	0	14.718	0.000
Tw-out	002Y240H	16.800	17.500	0.0125	0	18.609	0.000
Tw-out	005Y001H	13.000	17.500	0.0000	0	116.986	0.000
Tw-out	005Y002H	13.000	17.500	0.0001	1	107.491	0.000
Tw-out	005Y004H	13.033	17.500	0.0003	1	83.714	0.000
Tw-out	005Y008H	13.586	17.500	0.0022	0	85.563	0.000
Tw-out	005Y024H	16.799	17.500	0.0125	7	30.717	0.000
Tw-out	005Y072H	16.799	17.500	0.0080	3	24.037	0.000
Tw-out	005Y168H	16.800	17.500	0.0125	0	19.381	0.000
Tw-out	005Y240H	16.800	17.500	0.0125	0	25.248	0.000
Tw-out	010Y001H	13.000	17.500	0.0000	0	132.200	0.000
Tw-out	010Y002H	13.000	17.500	0.0000	0	118.194	0.000
Tw-out	010Y004H	13.033	17.500	0.0003	1	96.292	0.000
Tw-out	010Y008H	13.586	17.500	0.0018	0	99.665	0.000
Tw-out	010Y024H	16.800	17.500	0.0125	7	37.554	0.000
Tw-out	010Y072H	16.800	17.500	0.0064	4	28.145	0.000
Tw-out	010Y168H	16.800	17.500	0.0100	0	23.398	0.000
Tw-out	010Y240H	16.800	17.500	0.0125	0	30.298	0.000
Tw-out	025Y001H	13.000	17.500	0.0000	0	157.585	0.000
Tw-out	025Y002H	13.000	17.500	0.0000	0	140.671	0.000
Tw-out	025Y004H	13.033	17.500	0.0003	1	113.662	0.000
Tw-out	025Y008H	13.586	17.500	0.0018	0	118.998	0.000
Tw-out	025Y024H	16.799	17.500	0.0125	7	46.633	0.000
Tw-out	025Y072H	16.800	17.500	0.0051	4	34.135	0.000
Tw-out	025Y168H	16.799	17.500	0.0125	3	27.841	0.000
Tw-out	025Y240H	16.800	17.500	0.0125	0	35.757	0.000
Tw-out	050Y001H	13.000	17.500	0.0000	0	179.460	0.000
Tw-out	050Y002H	13.000	17.500	0.0001	1	161.353	0.000
Tw-out	050Y004H	13.033	17.500	0.0002	1	125.741	0.000
Tw-out	050Y008H	13.587	17.500	0.0014	0	134.044	0.000
Tw-out	050Y024H	16.799	17.500	0.0125	7	51.362	0.000
Tw-out	050Y072H	16.799	17.500	0.0046	5	38.819	0.000
Tw-out	050Y168H	16.799	17.500	0.0125	4	30.874	0.000
Tw-out	050Y240H	16.799	17.500	0.0125	0	40.640	0.000
Tw-out	100Y001H	13.000	17.500	0.0000	0	202.408	0.000
Tw-out	100Y002H	13.000	17.500	0.0000	0	184.032	0.000
Tw-out	100Y004H	13.033	17.500	0.0002	1	138.624	0.000
Tw-out	100Y008H	13.586	17.500	0.0014	0	149.567	0.000
Tw-out	100Y024H	16.800	17.500	0.0125	8	60.141	0.000
Tw-out	100Y072H	16.799	17.500	0.0080	5	44.977	0.000
Tw-out	100Y168H	16.799	17.500	0.0125	4	35.419	0.000
Tw-out	100Y240H	16.800	17.500	0.0125	0	45.751	0.000
Tw-out	3Yr24Hr	16.799	17.500	0.0125	5	108.924	0.000
Tw-out	SJR25Y24H	16.799	17.500	0.0125	6	180.168	0.000
Tw-out	SJRMean	16.800	17.500	0.0125	5	86.319	0.000
Upper A1	002Y001H	23.441	25.000	0.0029	1844	4.625	0.000
Upper A1	002Y002H	24.374	25.000	0.0029	724	3.724	0.518
Upper A1	002Y004H	24.437	25.000	0.0044	558	2.087	1.303
Upper A1	002Y008H	24.417	25.000	0.0050	612	1.995	1.025
Upper A1	002Y024H	24.367	25.000	0.0050	744	0.605	0.442
Upper A1	002Y072H	24.360	25.000	0.0047	762	0.375	0.375
Upper A1	002Y168H	24.349	25.000	0.0042	789	0.281	0.281
Upper A1	002Y240H	24.359	25.000	0.0032	763	0.369	0.369

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Upper A1	005Y001H	24.434	25.000	0.0034	566	5.794	1.262
Upper A1	005Y002H	24.501	25.000	0.0050	391	4.931	2.314
Upper A1	005Y004H	24.501	25.000	0.0047	390	2.689	2.315
Upper A1	005Y008H	24.516	25.000	0.0050	352	2.570	2.570
Upper A1	005Y024H	24.400	25.000	0.0050	658	0.804	0.804
Upper A1	005Y072H	24.372	25.000	0.0030	730	0.494	0.494
Upper A1	005Y168H	24.358	25.000	0.0043	766	0.362	0.362
Upper A1	005Y240H	24.370	25.000	0.0048	734	0.478	0.478
Upper A1	010Y001H	24.553	25.000	0.0041	256	6.494	3.251
Upper A1	010Y002H	24.546	25.000	0.0050	273	5.307	3.125
Upper A1	010Y004H	24.528	25.000	0.0050	322	3.064	2.779
Upper A1	010Y008H	24.537	25.000	0.0050	296	2.959	2.959
Upper A1	010Y024H	24.411	25.000	0.0050	629	0.942	0.942
Upper A1	010Y072H	24.379	25.000	0.0034	711	0.572	0.572
Upper A1	010Y168H	24.366	25.000	0.0049	746	0.433	0.433
Upper A1	010Y240H	24.379	25.000	0.0049	713	0.564	0.564
Upper A1	025Y001H	24.655	25.000	0.0038	113	7.426	5.407
Upper A1	025Y002H	24.627	25.000	0.0048	113	6.132	4.785
Upper A1	025Y004H	24.570	25.000	0.0050	212	3.588	3.584
Upper A1	025Y008H	24.565	25.000	0.0050	223	3.498	3.498
Upper A1	025Y024H	24.424	25.000	0.0047	593	1.120	1.120
Upper A1	025Y072H	24.390	25.000	0.0029	684	0.686	0.686
Upper A1	025Y168H	24.374	25.000	0.0048	726	0.512	0.512
Upper A1	025Y240H	24.387	25.000	0.0046	690	0.659	0.659
Upper A1	050Y001H	24.717	25.000	0.0057	113	8.287	6.896
Upper A1	050Y002H	24.692	25.000	0.0050	113	6.804	6.287
Upper A1	050Y004H	24.588	25.000	0.0050	165	3.947	3.947
Upper A1	050Y008H	24.585	25.000	0.0048	170	3.902	3.902
Upper A1	050Y024H	24.431	25.000	0.0040	575	1.212	1.212
Upper A1	050Y072H	24.397	25.000	0.0036	664	0.775	0.775
Upper A1	050Y168H	24.379	25.000	0.0050	712	0.566	0.566
Upper A1	050Y240H	24.395	25.000	0.0049	671	0.744	0.744
Upper A1	100Y001H	24.769	25.000	0.0085	113	9.123	8.211
Upper A1	100Y002H	24.746	25.000	0.0070	113	7.625	7.614
Upper A1	100Y004H	24.605	25.000	0.0050	118	4.320	4.319
Upper A1	100Y008H	24.605	25.000	0.0042	119	4.312	4.312
Upper A1	100Y024H	24.443	25.000	0.0046	544	1.383	1.383
Upper A1	100Y072H	24.407	25.000	0.0033	639	0.893	0.893
Upper A1	100Y168H	24.386	25.000	0.0039	693	0.647	0.647
Upper A1	100Y240H	24.402	25.000	0.0050	651	0.835	0.835
Upper A1	3Yr24Hr	24.602	25.000	0.0050	126	4.475	4.252
Upper A1	SJR25Y24H	24.729	25.000	0.0050	113	7.195	7.186
Upper A1	SJRMean	24.516	25.000	0.0050	353	3.705	2.564
Upper B1-1	002Y001H	40.212	41.310	0.0050	307	2.390	1.254
Upper B1-1	002Y002H	40.201	41.310	0.0050	319	1.966	1.152
Upper B1-1	002Y004H	40.187	41.310	0.0050	334	1.148	1.036
Upper B1-1	002Y008H	40.197	41.310	0.0050	323	1.119	1.119
Upper B1-1	002Y024H	40.089	41.310	0.0050	438	0.340	0.340
Upper B1-1	002Y072H	40.065	41.310	0.0050	463	0.213	0.213
Upper B1-1	002Y168H	40.054	41.310	0.0049	476	0.159	0.159
Upper B1-1	002Y240H	40.065	41.310	0.0050	464	0.210	0.210
Upper B1-1	005Y001H	40.335	41.310	0.0050	176	3.016	2.481
Upper B1-1	005Y002H	40.325	41.310	0.0050	187	2.636	2.372
Upper B1-1	005Y004H	40.238	41.310	0.0050	279	1.490	1.488
Upper B1-1	005Y008H	40.234	41.310	0.0050	284	1.448	1.448
Upper B1-1	005Y024H	40.108	41.310	0.0050	418	0.454	0.454
Upper B1-1	005Y072H	40.078	41.310	0.0050	449	0.281	0.281
Upper B1-1	005Y168H	40.064	41.310	0.0050	465	0.206	0.206
Upper B1-1	005Y240H	40.077	41.310	0.0049	451	0.272	0.272
Upper B1-1	010Y001H	40.386	41.310	0.0050	122	3.392	3.069
Upper B1-1	010Y002H	40.359	41.310	0.0050	151	2.844	2.751
Upper B1-1	010Y004H	40.260	41.310	0.0050	255	1.703	1.702
Upper B1-1	010Y008H	40.257	41.310	0.0050	259	1.671	1.671
Upper B1-1	010Y024H	40.120	41.310	0.0050	405	0.533	0.533
Upper B1-1	010Y072H	40.086	41.310	0.0050	441	0.325	0.325
Upper B1-1	010Y168H	40.072	41.310	0.0050	456	0.246	0.246
Upper B1-1	010Y240H	40.086	41.310	0.0049	442	0.321	0.321
Upper B1-1	025Y001H	40.442	41.310	0.0050	113	3.900	3.764
Upper B1-1	025Y002H	40.405	41.310	0.0050	113	3.302	3.298
Upper B1-1	025Y004H	40.290	41.310	0.0050	224	1.999	1.998
Upper B1-1	025Y008H	40.288	41.310	0.0050	226	1.979	1.979
Upper B1-1	025Y024H	40.135	41.310	0.0050	389	0.635	0.635
Upper B1-1	025Y072H	40.098	41.310	0.0050	429	0.390	0.390
Upper B1-1	025Y168H	40.080	41.310	0.0049	447	0.291	0.291
Upper B1-1	025Y240H	40.095	41.310	0.0050	432	0.375	0.375
Upper B1-1	050Y001H	40.487	41.310	0.0050	113	4.370	4.345
Upper B1-1	050Y002H	40.435	41.310	0.0050	113	3.675	3.672
Upper B1-1	050Y004H	40.309	41.310	0.0050	203	2.202	2.202
Upper B1-1	050Y008H	40.310	41.310	0.0050	203	2.210	2.210
Upper B1-1	050Y024H	40.142	41.310	0.0050	381	0.688	0.688
Upper B1-1	050Y072H	40.106	41.310	0.0050	420	0.441	0.441

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Upper B1-1	050Y168H	40.086	41.310	0.0050	441	0.322	0.322
Upper B1-1	050Y240H	40.103	41.310	0.0049	423	0.424	0.424
Upper B1-1	100Y001H	40.521	41.310	0.0050	113	4.826	4.814
Upper B1-1	100Y002H	40.470	41.310	0.0050	113	4.131	4.127
Upper B1-1	100Y004H	40.329	41.310	0.0050	183	2.413	2.412
Upper B1-1	100Y008H	40.332	41.310	0.0050	180	2.444	2.444
Upper B1-1	100Y024H	40.156	41.310	0.0050	367	0.785	0.785
Upper B1-1	100Y072H	40.116	41.310	0.0050	409	0.508	0.508
Upper B1-1	100Y168H	40.094	41.310	0.0049	433	0.368	0.368
Upper B1-1	100Y240H	40.111	41.310	0.0050	414	0.475	0.475
Upper B1-1	3Yr24Hr	40.325	41.310	0.0050	187	2.384	2.372
Upper B1-1	SJR25Y24H	40.449	41.310	0.0050	113	3.857	3.847
Upper B1-1	SJRMean	40.286	41.310	0.0050	229	1.967	1.953
Upper B2-1	002Y001H	44.536	46.000	0.0050	113	5.024	5.022
Upper B2-1	002Y002H	44.468	46.000	0.0050	113	4.105	4.101
Upper B2-1	002Y004H	44.324	46.000	0.0050	113	2.363	2.363
Upper B2-1	002Y008H	44.317	46.000	0.0050	113	2.281	2.281
Upper B2-1	002Y024H	44.143	46.000	0.0050	207	0.692	0.692
Upper B2-1	002Y072H	44.104	46.000	0.0050	230	0.430	0.430
Upper B2-1	002Y168H	44.086	46.000	0.0049	240	0.322	0.322
Upper B2-1	002Y240H	44.103	46.000	0.0050	230	0.423	0.423
Upper B2-1	005Y001H	44.624	46.000	0.0050	113	6.311	6.308
Upper B2-1	005Y002H	44.566	46.000	0.0050	113	5.453	5.448
Upper B2-1	005Y004H	44.384	46.000	0.0050	113	3.048	3.047
Upper B2-1	005Y008H	44.375	46.000	0.0050	113	2.940	2.940
Upper B2-1	005Y024H	44.173	46.000	0.0050	190	0.920	0.920
Upper B2-1	005Y072H	44.125	46.000	0.0050	217	0.566	0.566
Upper B2-1	005Y168H	44.102	46.000	0.0049	231	0.415	0.415
Upper B2-1	005Y240H	44.122	46.000	0.0050	219	0.548	0.548
Upper B2-1	010Y001H	44.674	46.000	0.0050	113	7.082	7.079
Upper B2-1	010Y002H	44.594	46.000	0.0050	113	5.872	5.867
Upper B2-1	010Y004H	44.419	46.000	0.0050	113	3.473	3.473
Upper B2-1	010Y008H	44.412	46.000	0.0050	113	3.386	3.386
Upper B2-1	010Y024H	44.192	46.000	0.0050	178	1.079	1.079
Upper B2-1	010Y072H	44.138	46.000	0.0050	210	0.656	0.656
Upper B2-1	010Y168H	44.115	46.000	0.0050	223	0.496	0.496
Upper B2-1	010Y240H	44.137	46.000	0.0050	211	0.646	0.646
Upper B2-1	025Y001H	44.737	46.000	0.0053	113	8.109	8.105
Upper B2-1	025Y002H	44.655	46.000	0.0050	113	6.793	6.787
Upper B2-1	025Y004H	44.466	46.000	0.0050	113	4.067	4.067
Upper B2-1	025Y008H	44.461	46.000	0.0049	113	4.004	4.004
Upper B2-1	025Y024H	44.216	46.000	0.0050	165	1.283	1.283
Upper B2-1	025Y072H	44.156	46.000	0.0050	200	0.787	0.787
Upper B2-1	025Y168H	44.128	46.000	0.0049	216	0.587	0.587
Upper B2-1	025Y240H	44.152	46.000	0.0050	202	0.755	0.755
Upper B2-1	050Y001H	44.794	46.000	0.0056	113	9.058	9.054
Upper B2-1	050Y002H	44.703	46.000	0.0050	113	7.544	7.538
Upper B2-1	050Y004H	44.496	46.000	0.0049	113	4.475	4.475
Upper B2-1	050Y008H	44.496	46.000	0.0049	113	4.468	4.468
Upper B2-1	050Y024H	44.228	46.000	0.0050	158	1.389	1.389
Upper B2-1	050Y072H	44.169	46.000	0.0049	192	0.889	0.889
Upper B2-1	050Y168H	44.137	46.000	0.0049	210	0.649	0.649
Upper B2-1	050Y240H	44.164	46.000	0.0050	195	0.853	0.853
Upper B2-1	100Y001H	44.847	46.000	0.0059	113	9.980	9.976
Upper B2-1	100Y002H	44.758	46.000	0.0050	113	8.461	8.455
Upper B2-1	100Y004H	44.527	46.000	0.0049	113	4.897	4.897
Upper B2-1	100Y008H	44.530	46.000	0.0050	113	4.938	4.938
Upper B2-1	100Y024H	44.248	46.000	0.0049	146	1.585	1.585
Upper B2-1	100Y072H	44.186	46.000	0.0050	182	1.023	1.023
Upper B2-1	100Y168H	44.150	46.000	0.0049	203	0.742	0.742
Upper B2-1	100Y240H	44.177	46.000	0.0049	187	0.957	0.957
Upper B2-1	3Yr24Hr	44.525	46.000	0.0050	113	4.884	4.873
Upper B2-1	SJR25Y24H	44.722	46.000	0.0049	113	7.860	7.845
Upper B2-1	SJRMean	44.463	46.000	0.0050	113	4.042	4.032
Upper B3-1	002Y001H	48.246	50.000	0.0020	543	0.850	0.000
Upper B3-1	002Y002H	49.043	50.000	0.0021	249	0.727	0.115
Upper B3-1	002Y004H	49.084	50.000	0.0032	227	0.439	0.312
Upper B3-1	002Y008H	49.070	50.000	0.0035	234	0.466	0.239
Upper B3-1	002Y024H	49.041	50.000	0.0036	250	0.144	0.106
Upper B3-1	002Y072H	49.039	50.000	0.0035	251	0.098	0.098
Upper B3-1	002Y168H	49.033	50.000	0.0031	255	0.076	0.076
Upper B3-1	002Y240H	49.039	50.000	0.0024	251	0.099	0.099
Upper B3-1	005Y001H	49.076	50.000	0.0024	231	1.149	0.268
Upper B3-1	005Y002H	49.120	50.000	0.0036	208	1.058	0.531
Upper B3-1	005Y004H	49.124	50.000	0.0035	205	0.610	0.559
Upper B3-1	005Y008H	49.135	50.000	0.0036	200	0.632	0.631
Upper B3-1	005Y024H	49.063	50.000	0.0036	238	0.201	0.201
Upper B3-1	005Y072H	49.047	50.000	0.0023	247	0.132	0.132
Upper B3-1	005Y168H	49.039	50.000	0.0032	251	0.098	0.098
Upper B3-1	005Y240H	49.047	50.000	0.0034	247	0.130	0.130

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Upper B3-1	010Y001H	49.147	50.000	0.0029	193	1.332	0.723
Upper B3-1	010Y002H	49.146	50.000	0.0036	193	1.163	0.718
Upper B3-1	010Y004H	49.139	50.000	0.0036	197	0.717	0.665
Upper B3-1	010Y008H	49.150	50.000	0.0036	191	0.744	0.744
Upper B3-1	010Y024H	49.071	50.000	0.0036	234	0.241	0.241
Upper B3-1	010Y072H	49.053	50.000	0.0035	244	0.154	0.154
Upper B3-1	010Y168H	49.044	50.000	0.0035	249	0.118	0.118
Upper B3-1	010Y240H	49.052	50.000	0.0035	244	0.154	0.154
Upper B3-1	025Y001H	49.209	50.000	0.0028	160	1.578	1.220
Upper B3-1	025Y002H	49.194	50.000	0.0036	168	1.396	1.091
Upper B3-1	025Y004H	49.166	50.000	0.0036	183	0.868	0.865
Upper B3-1	025Y008H	49.170	50.000	0.0037	180	0.899	0.899
Upper B3-1	025Y024H	49.080	50.000	0.0035	229	0.292	0.292
Upper B3-1	025Y072H	49.060	50.000	0.0021	240	0.186	0.186
Upper B3-1	025Y168H	49.049	50.000	0.0035	246	0.140	0.140
Upper B3-1	025Y240H	49.058	50.000	0.0034	241	0.180	0.180
Upper B3-1	050Y001H	49.248	50.000	0.0038	138	1.808	1.578
Upper B3-1	050Y002H	49.234	50.000	0.0037	146	1.586	1.452
Upper B3-1	050Y004H	49.179	50.000	0.0036	176	0.971	0.970
Upper B3-1	050Y008H	49.185	50.000	0.0036	173	1.015	1.015
Upper B3-1	050Y024H	49.085	50.000	0.0030	226	0.319	0.319
Upper B3-1	050Y072H	49.065	50.000	0.0026	237	0.211	0.211
Upper B3-1	050Y168H	49.053	50.000	0.0036	244	0.156	0.156
Upper B3-1	050Y240H	49.063	50.000	0.0035	238	0.204	0.204
Upper B3-1	100Y001H	49.280	50.000	0.0036	121	2.033	1.899
Upper B3-1	100Y002H	49.270	50.000	0.0036	126	1.820	1.800
Upper B3-1	100Y004H	49.192	50.000	0.0036	169	1.078	1.077
Upper B3-1	100Y008H	49.198	50.000	0.0031	165	1.132	1.132
Upper B3-1	100Y024H	49.094	50.000	0.0034	222	0.367	0.367
Upper B3-1	100Y072H	49.071	50.000	0.0025	234	0.244	0.244
Upper B3-1	100Y168H	49.058	50.000	0.0030	241	0.178	0.178
Upper B3-1	100Y240H	49.069	50.000	0.0035	235	0.230	0.230
Upper B3-1	3Yr24Hr	49.184	50.000	0.0038	173	1.078	1.006
Upper B3-1	SJR25Y24H	49.276	50.000	0.0036	123	1.860	1.853
Upper B3-1	SJRMean	49.130	50.000	0.0037	202	0.856	0.602
Upper B4-1	002Y001H	52.843	54.000	0.0050	828	3.347	0.000
Upper B4-1	002Y002H	53.169	54.000	0.0050	344	2.771	0.890
Upper B4-1	002Y004H	53.230	54.000	0.0050	280	1.676	1.414
Upper B4-1	002Y008H	53.238	54.000	0.0050	272	1.670	1.487
Upper B4-1	002Y024H	53.117	54.000	0.0050	398	0.510	0.510
Upper B4-1	002Y072H	53.086	54.000	0.0050	430	0.322	0.322
Upper B4-1	002Y168H	53.071	54.000	0.0049	445	0.242	0.242
Upper B4-1	002Y240H	53.085	54.000	0.0041	431	0.318	0.318
Upper B4-1	005Y001H	53.302	54.000	0.0050	206	4.271	2.120
Upper B4-1	005Y002H	53.339	54.000	0.0050	167	3.761	2.531
Upper B4-1	005Y004H	53.293	54.000	0.0050	216	2.196	2.027
Upper B4-1	005Y008H	53.307	54.000	0.0050	201	2.173	2.173
Upper B4-1	005Y024H	53.142	54.000	0.0050	372	0.684	0.684
Upper B4-1	005Y072H	53.103	54.000	0.0050	412	0.425	0.425
Upper B4-1	005Y168H	53.084	54.000	0.0050	432	0.312	0.312
Upper B4-1	005Y240H	53.101	54.000	0.0050	414	0.412	0.412
Upper B4-1	010Y001H	53.414	54.000	0.0050	113	4.827	3.413
Upper B4-1	010Y002H	53.386	54.000	0.0050	119	4.070	3.072
Upper B4-1	010Y004H	53.333	54.000	0.0050	173	2.519	2.465
Upper B4-1	010Y008H	53.338	54.000	0.0050	169	2.513	2.513
Upper B4-1	010Y024H	53.158	54.000	0.0050	355	0.805	0.805
Upper B4-1	010Y072H	53.114	54.000	0.0050	401	0.493	0.493
Upper B4-1	010Y168H	53.095	54.000	0.0050	421	0.374	0.374
Upper B4-1	010Y240H	53.113	54.000	0.0050	402	0.486	0.486
Upper B4-1	025Y001H	53.512	54.000	0.0050	113	5.568	4.694
Upper B4-1	025Y002H	53.483	54.000	0.0050	113	4.749	4.299
Upper B4-1	025Y004H	53.377	54.000	0.0050	128	2.969	2.968
Upper B4-1	025Y008H	53.379	54.000	0.0050	127	2.982	2.982
Upper B4-1	025Y024H	53.178	54.000	0.0050	335	0.960	0.960
Upper B4-1	025Y072H	53.129	54.000	0.0050	385	0.592	0.592
Upper B4-1	025Y168H	53.106	54.000	0.0050	409	0.442	0.442
Upper B4-1	025Y240H	53.125	54.000	0.0050	389	0.569	0.569
Upper B4-1	050Y001H	53.584	54.000	0.0058	113	6.253	5.712
Upper B4-1	050Y002H	53.549	54.000	0.0050	113	5.304	5.208
Upper B4-1	050Y004H	53.403	54.000	0.0050	113	3.277	3.277
Upper B4-1	050Y008H	53.408	54.000	0.0050	113	3.334	3.334
Upper B4-1	050Y024H	53.188	54.000	0.0050	325	1.040	1.040
Upper B4-1	050Y072H	53.140	54.000	0.0050	374	0.669	0.669
Upper B4-1	050Y168H	53.113	54.000	0.0050	401	0.489	0.489
Upper B4-1	050Y240H	53.136	54.000	0.0050	378	0.643	0.643
Upper B4-1	100Y001H	53.644	54.000	0.0078	113	6.919	6.614
Upper B4-1	100Y002H	53.602	54.000	0.0061	113	5.980	5.973
Upper B4-1	100Y004H	53.429	54.000	0.0050	113	3.597	3.596
Upper B4-1	100Y008H	53.436	54.000	0.0050	113	3.690	3.690
Upper B4-1	100Y024H	53.205	54.000	0.0050	306	1.188	1.188
Upper B4-1	100Y072H	53.154	54.000	0.0050	360	0.771	0.771

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Upper B4-1	100Y168H	53.124	54.000	0.0050	390	0.559	0.559
Upper B4-1	100Y240H	53.147	54.000	0.0050	367	0.721	0.721
Upper B4-1	3Yr24Hr	53.415	54.000	0.0050	113	3.425	3.417
Upper B4-1	SJR25Y24H	53.574	54.000	0.0050	113	5.581	5.570
Upper B4-1	SJRMean	53.330	54.000	0.0050	177	2.813	2.424

SR 15/600 (TO SOLDIERS CREEK)
SUMMARY OF BASINS 'A' & 'B' TOTAL CRITICAL DURATION STORMS
(Peak Discharge Approach into Soldier's Creek)

DURATION		*YEAR*					
		2 YR	*5 YR*	*10 YR*	*25 YR*	*50 YR*	*100 YR*
1 Hour	*Pre*	**73.49**	**100.50**	**117.21**	**139.90**	**161.25**	**182.24**
	Post	**90.15**	**116.99**	**132.20**	**157.59**	**179.46**	**202.41**
2 Hour	*Pre*	67.80	100.45	110.93	134.30	153.66	177.61
	Post	**77.54**	**107.49**	**118.19**	**140.67**	**161.35**	**184.03**
4 Hour	*Pre*	64.68	89.71	105.63	128.09	143.65	159.86
	Post	60.42	83.71	96.29	113.66	125.74	138.62
8 Hour	*Pre*	65.11	90.94	108.70	133.40	152.00	170.85
	Post	61.23	85.56	99.67	119.00	134.04	149.57
24 Hour	*Pre*	25.51	36.21	43.68	53.26	58.20	67.35
	Post	21.19	30.72	37.55	46.63	51.36	60.14
3 Day	*Pre*	19.54	26.41	30.88	37.36	42.42	49.04
	Post	17.69	24.04	28.15	34.14	38.82	44.98
7 Day	*Pre*	15.23	19.87	23.95	28.44	31.51	36.09
	Post	14.72	19.38	23.40	27.84	30.87	35.42
10 Day	*Pre*	19.95	26.19	31.09	36.50	41.38	46.50
	Post	18.61	25.25	30.30	35.76	40.64	45.75

SJRWMD'S 25 YEAR - 24 HOUR
BASINS 'A' & 'B'

Post Q (cfs)	Pre Q (cfs)
180.17	**195.49**

SJRWMD'S MEAN ANNUAL
BASINS 'A' & 'B'

Post Q (cfs)	Pre Q (cfs)
86.32	**88.02**

JACOBS
Carter & Burgess

Made by: HDT Ch'd by:
DATE: January 31, 2008 TIME: 2:03 PM
Project Number: 200230

PROJECT: **SR 15/600 Seminole County,Fl**
BASIN NAME: **Basin 'B'**

SUB-BASIN ANALYSIS & CURVE NUMBER DETERMINATION

BASIN DESCRIPTION: **CD - 4**
BASIN NAME: **Ex Basin B**
NODE NAME: **Creek Tributary**
BASIN SIZE: **241.00** acres
TYPE of EVALUATION: **PRE -** **DEVELOPMENT**
(PRE- or POST-)
RAINFALL DEPTH: **8.60** inches,(**25YR-24HR** EVENT).

Determine Basin Runoff Curve Number: CN

Land Use Description	PERCENT of IMPERVIOUS	Soil Name	Soil Group	CN	Percent of AREA	PRODUCT
Commercial & business (85% impervious)	85.00%		B/D, D	95.00	10.00%	9.50
Industrial (72% Impervious)	72.00%		B/D, D	93.00	10.00%	9.30
Residential Areas (1/2 ac., 25% Impervious)	25.00%		B/D, D	85.00	50.00%	42.50
Pasture, grassland (Fair cover)			B/D, D	84.00	20.00%	16.80
Woods-grass combination (Fair cover)			B/D, D	82.00	10.00%	8.20
					100.00%	86.30

WEIGHTED CN = (PRODUCT SUM) 86.30 / (AREA or 100%) 100.00% = 86.30 **USE CN = 86.30**

TIME of CONCENTRATION CALCULATION

OVERLAND FLOW(SHEET FLOW):

$$To = \frac{0.93 * (L^{0.6}) * (n^{0.6})}{(i(10\text{-yr})^{0.4}) * (S^{0.3})} = To(hr.'s)$$

OVERLAND TERRAIN: **AVE. GRASS**

"n"	LAND USE
0.015	PAVEMENT
0.05	BARE SOIL
0.20	POOR GRASS
0.40	AVE. GRASS or LAWNS
0.60	DENSE GRASS or WOODLANDS
0.80	THICK FOREST

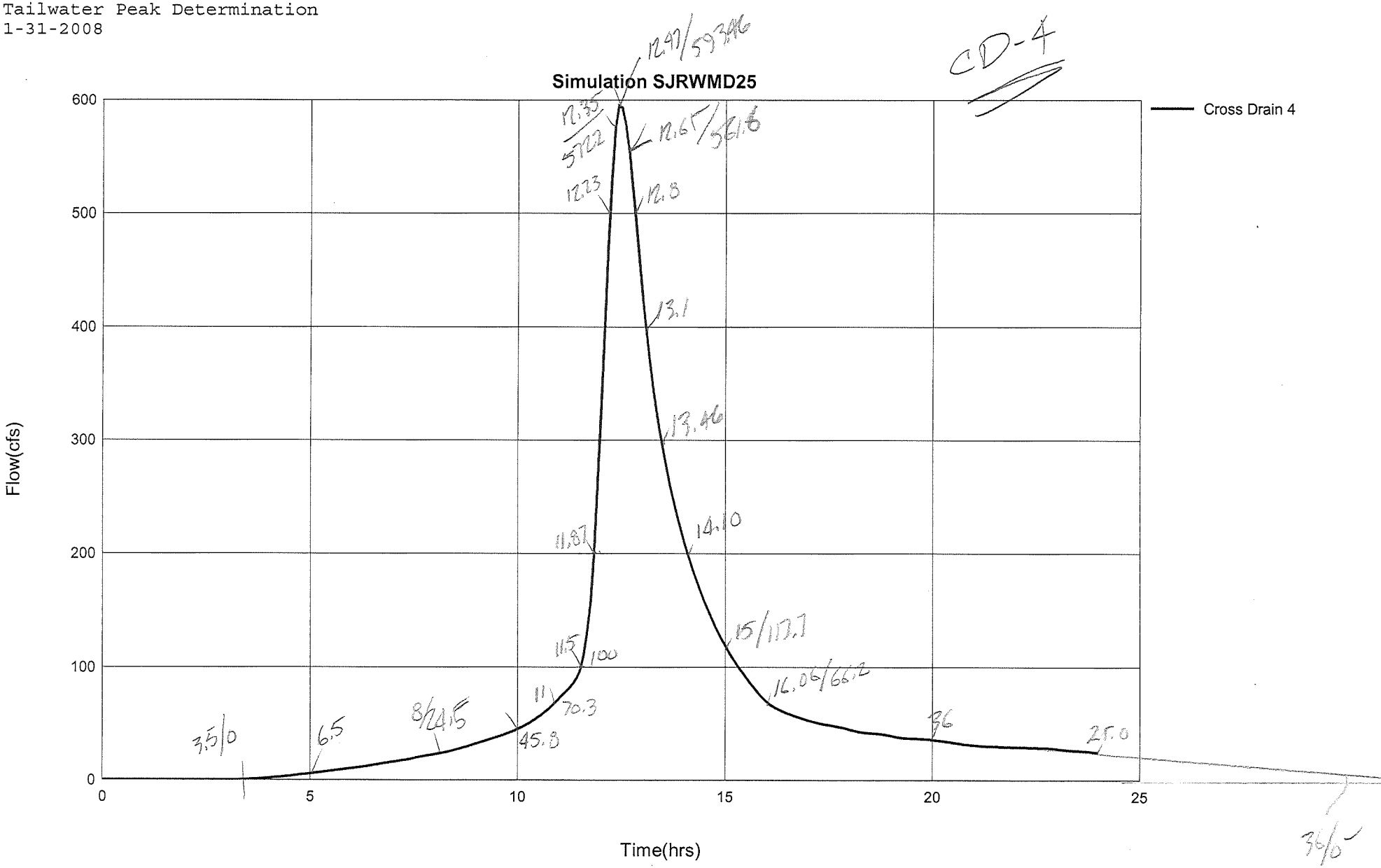
SHALLOW CONCENTRATED FLOW

$$Tsh = \frac{Lsh}{60 \times V} = Tsh(minutes)$$ where:

VELOCITY = Vunpaved, Vpaved, Vpipe and/or Vditch
Vunpaved = 16.1345 x (S)^0.5; where S = Slope in ft/ft. Vpipe = 2.5 fps (Established)
Vpaved = 20.3282 x (S)^0.5; where S = Slope in ft/ft. Vditch = 0.5 fps (Established)

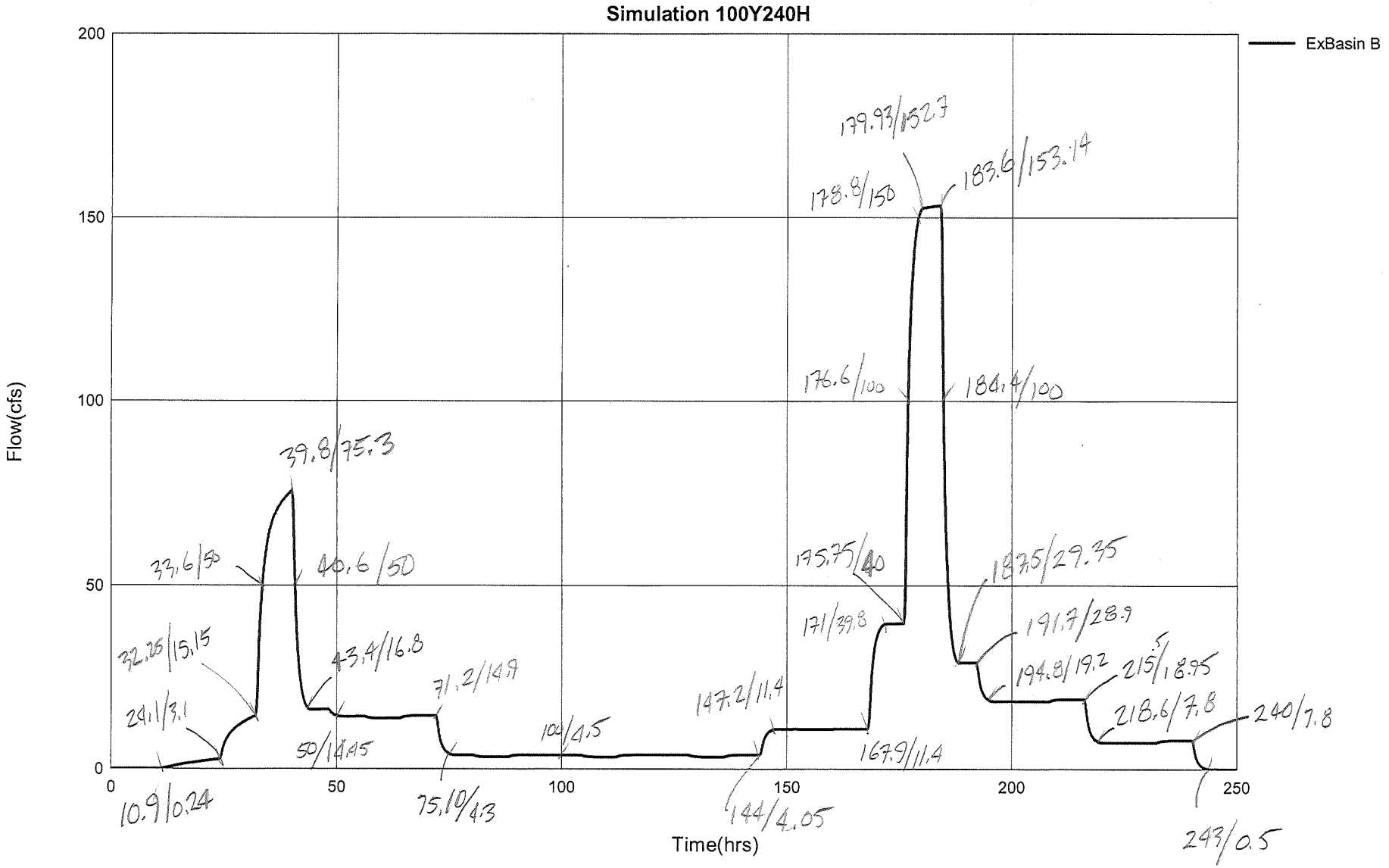
FLOW TYPE	LENGTH	MANNING'S 'n'	SLOPE	RAINFALL (iterative)	INTENSITY(in) (calculated)	VELOCITY	TIME (min)
OVERLAND	100 ft.	0.400	1.000%	6.20 in./hr.	6.20 in./hr.	----	16.32
UNPAVED	3,020 ft.		0.800%			1.44 fps	34.95
						TOTAL TIME of CONCENTRATION =	51.28
						USE TOTAL TIME of CONCENTRATION =	51.30

Basin D Post
Tailwater Peak Determination
1-31-2008



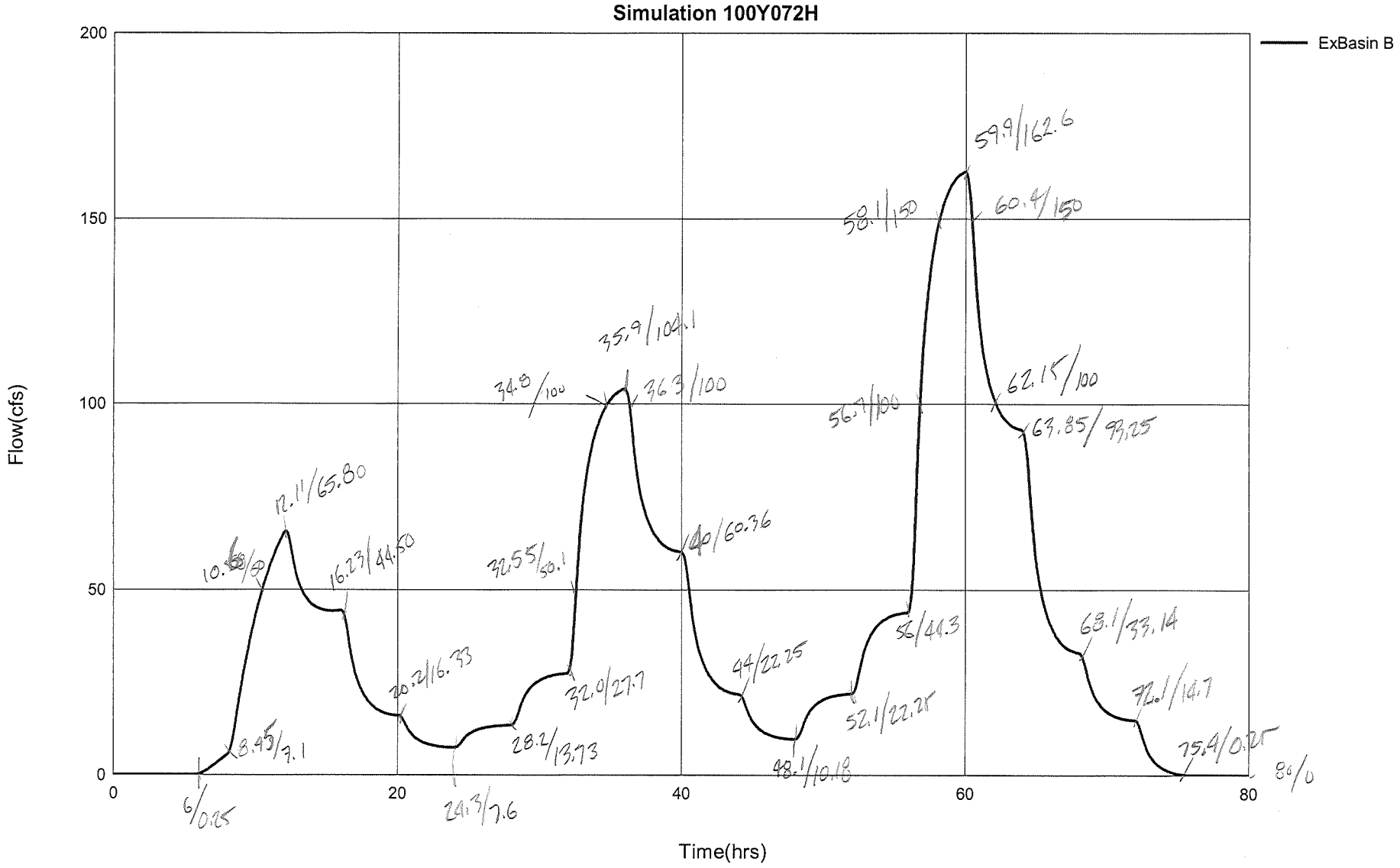
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Basin B - Pre
TAILWATER ANALYSIS
HDT - 04-21-2008



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Basin B - Pre
TAILWATER ANALYSIS
HDT - 04-21-2008



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Basin B - Pre
TAILWATER ANALYSIS
HDT - 04-21-2008

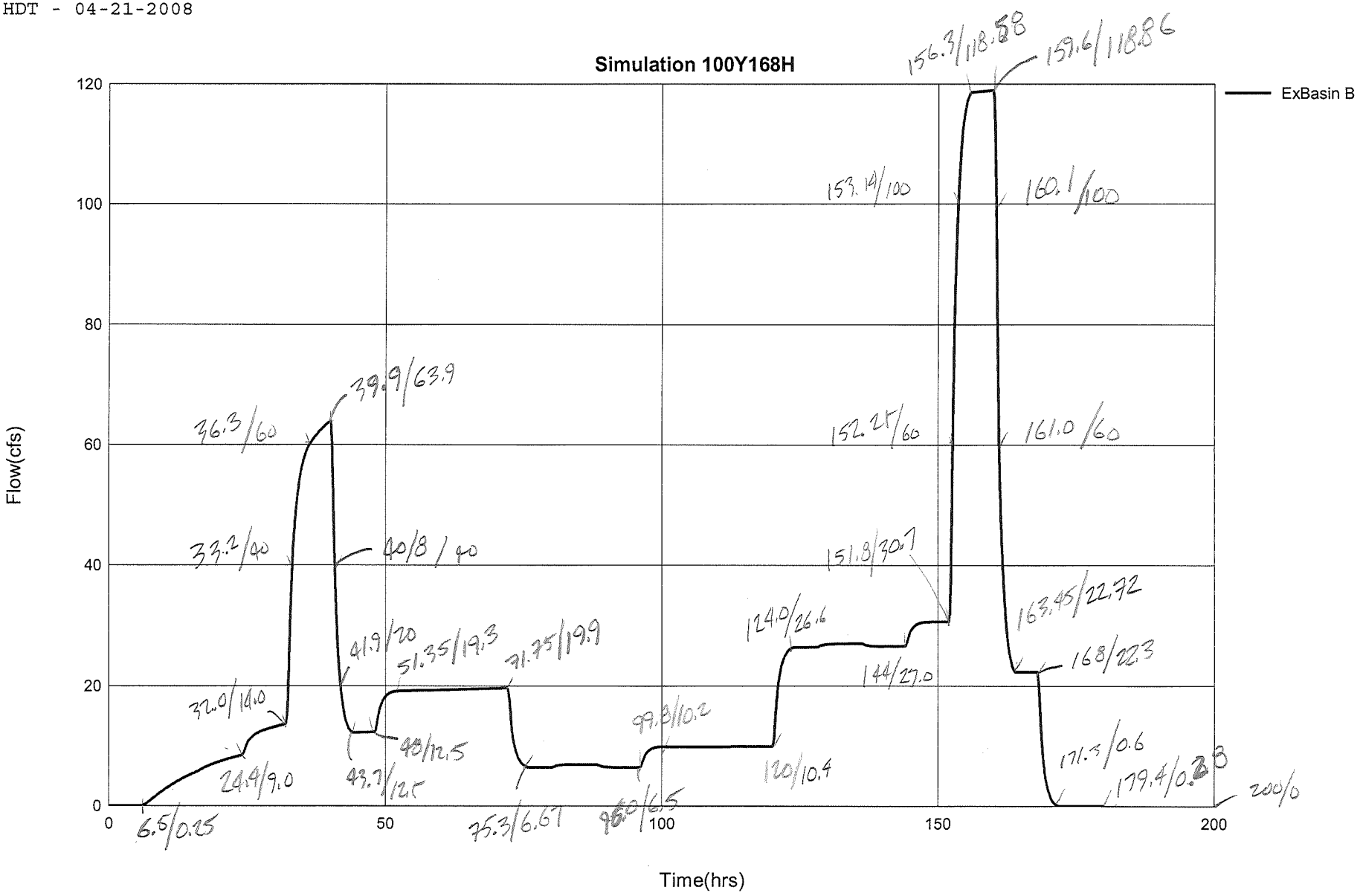


TABLE A.2 (continued)

DRAINAGE STRUCTURE INVENTORY: CULVERT GEOMETRY AND PERFORMANCE

SOURCE: Singhofen & Associates, Inc.

Soldiers Creek Basin

Structure ID	#	L	Span	Rise	Type	Location	Min Road Crown	Chan	S	T	R	10- Yr				25- Yr				100 -Yr				LOS
												Existing		Design		Existing		Design		Existing		Design		
												Q	S	Q	S	Q	S	Q	S	Q	S	Q	S	
		(ft)	(in)	(in)			(ft)					(cfs)	(ft)	(cfs)	(ft)	(cfs)	(ft)	(cfs)	(ft)	(cfs)	(ft)	(cfs)	(ft)	
14A8020S	1	664	90	54	ECP	GREENWOOD BLVD	46.06	SOLDIERS	17	20	30	102	42.0	102	42.0	135	42.5	135	42.5	197	43.1	197	43.1	25B
14A8050C	2	150	54	54	RCP	MORNING GLORY DRIVE		SOLDIERS	18	20	30	36	43.1	36	43.1	54	43.6	54	43.6	113	44.6	113	44.6	25B
14B0600C	2	90	54	54	RCP	BENCHMARK LANE	28.13	LATERIAL 'A'	22	20	30	74	22.4	103	22.9	95	22.7	135	23.7	136	23.4	201	24.5	25B
14B0900C	1	26	96	74	CBC*	RAILROAD	35.39	LATERAL 'A'	22	20	30	24	25.9	97	27.9	36	26.6	127	28.2	78	27.1	185	29.0	25B
14B1300C	1	18	57	36	CBC	SOUTH LANE (dirt)	32.30	LATERAL 'A'	22	20	30	9	31.4	89	32.3	9	32.3	108	32.4	9	32.4	147	33.7	10C/D
14B1400C	1	40	54	54	CMP	UNNAMED CROSSING (grass)	34.50	LATERAL 'A'	22	20	30	11	31.5	87	33.2	13	32.3	108	33.8	26	32.5	121	35.0	
14B2000C	1	64	60	48	CBC	CR #427	41.44	LATERAL 'A'	22	20	30	66	37.0	87	36.5	76	37.9	67	37.0	89	39.4	137	37.8	
14B2300C	1	140	54	54	RCP	US #17-92	41.49	LATERAL 'A'	22	20	30	60	38.6	96	37.7	73	39.3	122	38.4	90	40.3	158	39.4	
14C0400C	1	20	36	36	CMP	POWERLINE EASEMENT (grass)	18.67	LAT 'A' TRIB.	27	20	30	62	18.8	62	18.8	64	19.2	64	19.2	60	19.6	60	19.6	
14C0900C	1	36	30	30	RCP	RAILROAD	23.67	LAT 'A' TRIB.	27	20	30	68	23.4	68	23.4	73	23.8	73	23.8	75	24.0	75	24.0	
14C1100C	2	62	24	24	RCP	SR #419	24.15	LAT 'A' TRIB.	27	20	30	34	22.8	34	22.8	34	22.9	34	22.9	33	22.9	34	22.9	
14D0400C	1	23	18	18	CMP	POWERLINE EASEMENT (grass)	9.09	WTR SPRGS	27	20	30	6	10.9	6	10.9	5	11.5	5	11.5	5	12.1	5	12.1	
14D0605S	1	150	66	66	RCP	OLD SANFORD-OVIEDO RD	28.00	WTR SPRGS	34	20	30	197	24.3	197	24.3	275	25.0	275	25.0	336	25.0	336	25.0	
14E0101S	1	320	24	24	RCP	HIGHLANDS OUTFALL; Sheoah Cir		SHEOAH	27	20	30	*	*	*	*	*	*	*	*	*	*	*	*	
14E0900C	1	30	72	48	CMPA	ASPHALT PATH w of Shepard Rd	20.17	SHEOAH	27	20	30	185	21.5	196	21.4	186	21.8	200	21.7	186	22.2	220	22.1	25D
14E1001S	1	75	30	30	RCP	HIGHLANDS SECTION 4 OUTFALL		SHEOAH	27	20	30	*	*	*	*	*	*	*	*	*	*	*	*	
14E1701S	1	348	24	24	RCP	SHANE CIRCLE OUTFALL		SHEOAH	33	20	30	*	*	*	*	*	*	*	*	*	*	*	*	
14E1901S	1	515	42	42	RCP	SHEOAH BLVD OUTFALL		SHEOAH	33	20	30	*	*	*	*	*	*	*	*	*	*	*	*	
14E2101S	1	1660	30	30	RCP	WILDWOOD OUTFALL #1		SHEOAH	33	20	30	*	*	*	*	*	*	*	*	*	*	*	*	
14E2111S	1	315	36	36	RCP	WILDWOOD OUTFALL #2		SHEOAH	33	20	30	*	*	*	*	*	*	*	*	*	*	*	*	

See Notes Table A.1

JACOBS

Made by: HDT | Checked by: _____
DATE: April 14 2011 | TIME: 3:32 PM
Project Number: CB200230

PROJECT: **Basin 'B'**

ESTIMATED TAILWATER DETERMINATION

NODE NAME: **Pond 'B'**

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	34.00	34.00	34.00	SOURCE: Qudarangle Map
2YR-24HR	4.70	- - -	35.76	35.75	
2.33YR-24HR	5.10	- - -	35.91	35.90	
3YR-24HR	5.60	- - -	36.10	36.10	
5YR-24HR	6.20	- - -	36.33	36.30	
10YR-24HR	7.25	- - -	36.72	36.70	
25YR-24HR	8.60	- - -	37.23	37.20	
50YR-24HR	9.60	- - -	37.60	37.60	
100YR-24HR	10.60	37.98	37.98	38.00	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

EXISTING 24 HR STORM STAGES

TIME (hrs)	PERCENT (%)	2YR-24HR STAGE (ft.)	5YR-24HR STAGE (ft.)	3YR-24HR STAGE (ft.)	10YR-24HR STAGE (ft.)	25YR-24HR STAGE (ft.)	50YR-24HR STAGE (ft.)	100YR-24HR STAGE (ft.)
0.00	0.000%	34.00	34.00	34.00	34.00	34.00	34.00	34.00
3.40	0.000%	34.00	34.00	34.00	34.00	34.00	34.00	34.00
5.00	1.095%	34.02	34.03	34.02	34.03	34.04	34.04	34.04
8.00	4.128%	34.07	34.09	34.09	34.11	34.13	34.15	34.17
10.00	7.711%	34.13	34.18	34.16	34.21	34.25	34.28	34.31
11.00	11.846%	34.21	34.27	34.25	34.32	34.38	34.43	34.47
11.50	16.850%	34.29	34.39	34.35	34.45	34.54	34.61	34.67
11.90	33.701%	34.59	34.78	34.71	34.91	35.08	35.21	35.35
12.25	84.252%	35.47	35.94	35.77	36.27	36.70	37.03	37.37
12.35	96.418%	35.69	36.22	36.02	36.60	37.09	37.47	37.86
12.50	100.000%	35.75	36.30	36.10	36.70	37.20	37.60	38.00
12.65	94.615%	35.66	36.18	35.99	36.55	37.03	37.41	37.78
12.80	84.252%	35.47	35.94	35.77	36.27	36.70	37.03	37.37
13.10	67.401%	35.18	35.55	35.42	35.82	36.16	36.43	36.70
13.50	50.551%	34.88	35.16	35.06	35.36	35.62	35.82	36.02
14.10	33.701%	34.59	34.78	34.71	34.91	35.08	35.21	35.35
15.00	19.833%	34.35	34.46	34.42	34.54	34.63	34.71	34.79
16.10	11.155%	34.20	34.26	34.23	34.30	34.36	34.40	34.45
20.00	6.066%	34.11	34.14	34.13	34.16	34.19	34.22	34.24
25.00	4.213%	34.07	34.10	34.09	34.11	34.13	34.15	34.17
36.00	0.000%	34.00	34.00	34.00	34.00	34.00	34.00	34.00
48.00	0.000%	34.00	34.00	34.00	34.00	34.00	34.00	34.00

TIME (hrs)	PERCENT (%)	2.33YR-24HR STAGE (ft.)
0.00	0.000%	34.00
3.40	0.000%	34.00
5.00	1.095%	34.02
8.00	4.128%	34.07
10.00	7.711%	34.13
11.00	11.846%	34.21
11.50	16.850%	34.29
11.90	33.701%	34.59
12.25	84.252%	35.47
12.35	96.418%	35.69
12.50	100.000%	35.90
12.65	94.615%	35.66
12.80	84.252%	35.47
13.10	67.401%	35.18
13.50	50.551%	34.88
14.10	33.701%	34.59
15.00	19.833%	34.35
16.10	11.155%	34.20
20.00	6.066%	34.11
25.00	4.213%	34.07
36.00	0.000%	34.00
48.00	0.000%	34.00

JACOBS

Made by: HDT | Checked by:
DATE: April 14 2011 | TIME: 3:32 PM
Project Number: CB200230

PROJECT: Basin 'B'

ESTIMATED TAILWATER DETERMINATION

NODE NAME: Pond 'B'

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	34.00	34.00	34.00	SOURCE: Qudarangle Map
2YR-24HR	4.70	---	35.76	35.75	
2.33YR-24HR	5.10	---	35.91	35.90	
3YR-24HR	5.60	---	36.10	36.10	
5YR-24HR	6.20	---	36.33	36.30	
10YR-24HR	7.25	---	36.72	36.70	
25YR-24HR	8.60	---	37.23	37.20	
50YR-24HR	9.60	---	37.60	37.60	
100YR-24HR	10.60	37.98	37.98	38.00	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

72 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2YR-72HR STAGE (ft.)	5YR-72HR STAGE (ft.)	10YR-72HR STAGE (ft.)	25YR-72HR STAGE (ft.)	50YR-72HR STAGE (ft.)	100YR-72HR STAGE (ft.)
0.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
6.0	0.154%	34.00	34.00	34.00	34.00	34.01	34.01
8.5	1.907%	34.03	34.04	34.05	34.06	34.07	34.08
10.6	30.750%	34.55	34.71	34.83	34.98	35.11	35.23
12.1	40.467%	34.73	34.93	35.09	35.29	35.46	35.62
16.2	27.368%	34.49	34.63	34.74	34.88	34.99	35.09
20.2	10.043%	34.18	34.23	34.27	34.32	34.36	34.40
24.3	4.674%	34.08	34.11	34.13	34.15	34.17	34.19
28.2	8.444%	34.15	34.19	34.23	34.27	34.30	34.34
32.0	17.036%	34.31	34.39	34.46	34.55	34.61	34.68
32.6	30.812%	34.55	34.71	34.83	34.99	35.11	35.23
34.8	61.501%	35.11	35.41	35.66	35.97	36.21	36.46
35.9	64.022%	35.15	35.47	35.73	36.05	36.30	36.56
36.3	61.501%	35.11	35.41	35.66	35.97	36.21	36.46
40.0	37.122%	34.67	34.85	35.00	35.19	35.34	35.48
44.0	13.684%	34.25	34.31	34.37	34.44	34.49	34.55
48.1	6.261%	34.11	34.14	34.17	34.20	34.23	34.25
52.1	13.684%	34.25	34.31	34.37	34.44	34.49	34.55
56.0	27.245%	34.49	34.63	34.74	34.87	34.98	35.09
56.7	61.501%	35.11	35.41	35.66	35.97	36.21	36.46
58.1	92.251%	35.66	36.12	36.49	36.95	37.32	37.69
59.9	100.000%	35.66	36.30	36.70	37.20	37.60	38.00
60.4	92.251%	35.66	36.12	36.49	36.95	37.32	37.69
62.2	61.501%	35.11	35.41	35.66	35.97	36.21	36.46
63.9	57.349%	35.03	35.32	35.55	35.84	36.06	36.29
68.1	20.381%	34.37	34.47	34.55	34.65	34.73	34.82
72.1	9.041%	34.16	34.21	34.24	34.29	34.33	34.36
75.4	0.154%	34.00	34.00	34.00	34.00	34.01	34.01
80.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
100.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00

168 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2 YR-168 HR STAGE (ft.)	5 YR-168 HR STAGE (ft.)	10 YR-168 HR STAGE (ft.)	25 YR-168 HR STAGE (ft.)	50 YR-168 HR STAGE (ft.)	100 YR-168 HR STAGE (ft.)
0.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
6.5	0.210%	34.00	34.00	34.01	34.01	34.01	34.01
24.4	7.572%	34.13	34.17	34.20	34.24	34.27	34.30
32.0	11.779%	34.21	34.27	34.32	34.38	34.42	34.47
33.2	33.653%	34.59	34.77	34.91	35.08	35.21	35.35
36.3	50.480%	34.88	35.16	35.36	35.62	35.82	36.02
39.9	53.761%	34.94	35.24	35.45	35.72	35.94	36.15
40.8	33.653%	34.59	34.77	34.91	35.08	35.21	35.35
41.9	16.827%	34.29	34.39	34.45	34.54	34.61	34.67
43.7	10.517%	34.18	34.24	34.28	34.34	34.38	34.42
48.0	10.517%	34.18	34.24	34.28	34.34	34.38	34.42
51.4	16.238%	34.28	34.37	34.44	34.52	34.58	34.65
71.8	16.742%	34.29	34.39	34.45	34.54	34.60	34.67
75.3	5.612%	34.10	34.13	34.15	34.18	34.20	34.22
96.0	5.469%	34.10	34.13	34.15	34.17	34.20	34.22
99.8	8.582%	34.15	34.20	34.23	34.27	34.31	34.34
120.0	8.750%	34.15	34.20	34.24	34.28	34.31	34.35
124.0	22.379%	34.39	34.51	34.60	34.72	34.81	34.90
144.0	22.716%	34.40	34.52	34.61	34.73	34.82	34.91
151.8	25.829%	34.45	34.59	34.70	34.83	34.93	35.03
152.3	50.480%	34.88	35.16	35.36	35.62	35.82	36.02
153.1	84.133%	35.47	35.94	36.27	36.69	37.03	37.37
156.3	99.764%	35.75	36.29	36.69	37.19	37.59	37.99
159.6	100.000%	35.75	36.30	36.70	37.20	37.60	38.00
160.1	84.133%	35.47	35.94	36.27	36.69	37.03	37.37
161.0	50.480%	34.88	35.16	35.36	35.62	35.82	36.02
163.5	19.115%	34.33	34.44	34.52	34.61	34.69	34.76
168.0	18.762%	34.33	34.43	34.51	34.60	34.68	34.75
171.3	0.505%	34.01	34.01	34.01	34.02	34.02	34.02
179.4	0.236%	34.00	34.01	34.01	34.01	34.01	34.01
200.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
224.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00

JACOBS

Made by: HDT Checked by:
DATE: April 14 2011 TIME: 3:32 PM
Project Number: CB200230

PROJECT: Basin 'B'

ESTIMATED TAILWATER DETERMINATION

NODE NAME: Pond 'B'

24 HOUR STORM TAILWATER

STORM EVENT (YR.)	RAINFALL (in.)	KNOWN PEAK STAGE (FT.)	CALCULATED PEAK STAGE (FT.)	USE PEAK STAGE (FT.)	REMARKS
NORMAL WATER ELEVATION	N/A	34.00	34.00	34.00	SOURCE: Qudarangle Map
2YR-24HR	4.70	- - -	35.76	35.75	
2.33YR-24HR	5.10	- - -	35.91	35.90	
3YR-24HR	5.60	- - -	36.10	36.10	
5YR-24HR	6.20	- - -	36.33	36.30	
10YR-24HR	7.25	- - -	36.72	36.70	
25YR-24HR	8.60	- - -	37.23	37.20	
50YR-24HR	9.60	- - -	37.60	37.60	
100YR-24HR	10.60	37.98	37.98	38.00	SOURCE: FEMA FIRM - Hec Model

* STAGE BASED ON LOCAL INPUT & FEMA FIRM MAPS.

240 HOUR STORM STAGES

TIME (hrs)	PERCENT (%)	2 YR-240 HR STAGE (ft.)	5 YR-240 HR STAGE (ft.)	10 YR-240 HR STAGE (ft.)	25 YR-240 HR STAGE (ft.)	50 YR-240 HR STAGE (ft.)	100 YR-240 HR STAGE (ft.)
0.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
10.9	0.157%	34.00	34.00	34.00	34.01	34.01	34.01
24.1	2.024%	34.04	34.05	34.05	34.06	34.07	34.08
32.3	9.893%	34.17	34.23	34.27	34.32	34.36	34.40
33.6	32.650%	34.57	34.75	34.88	35.04	35.18	35.31
39.8	49.171%	34.86	35.13	35.33	35.57	35.77	35.97
40.6	32.650%	34.57	34.75	34.88	35.04	35.18	35.31
43.4	10.970%	34.19	34.25	34.30	34.35	34.39	34.44
50.0	9.436%	34.17	34.22	34.25	34.30	34.34	34.38
71.2	9.730%	34.17	34.22	34.26	34.31	34.35	34.39
75.1	2.808%	34.05	34.06	34.08	34.09	34.10	34.11
100.0	2.938%	34.05	34.07	34.08	34.09	34.11	34.12
144.0	2.645%	34.05	34.06	34.07	34.08	34.10	34.11
147.2	7.444%	34.13	34.17	34.20	34.24	34.27	34.30
167.9	7.444%	34.13	34.17	34.20	34.24	34.27	34.30
171.0	25.989%	34.45	34.60	34.70	34.83	34.94	35.04
175.8	26.120%	34.46	34.60	34.71	34.84	34.94	35.04
176.6	65.300%	35.14	35.50	35.76	36.09	36.35	36.61
178.8	97.950%	35.71	36.25	36.64	37.13	37.53	37.92
179.9	99.713%	35.74	36.29	36.69	37.19	37.59	37.99
183.6	100.000%	35.75	36.30	36.70	37.20	37.60	38.00
184.4	65.300%	35.14	35.50	35.76	36.09	36.35	36.61
187.5	19.165%	34.34	34.44	34.52	34.61	34.69	34.77
191.7	18.872%	34.33	34.43	34.51	34.60	34.68	34.75
194.8	12.538%	34.22	34.29	34.34	34.40	34.45	34.50
215.5	12.374%	34.22	34.28	34.33	34.40	34.45	34.49
218.6	5.093%	34.09	34.12	34.14	34.16	34.18	34.20
240.0	5.093%	34.09	34.12	34.14	34.16	34.18	34.20
243.0	0.326%	34.01	34.01	34.01	34.01	34.01	34.01
250.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00
280.0	0.000%	34.00	34.00	34.00	34.00	34.00	34.00

NOTES: THESE STAGES WERE CALCULATED USING GOOD ENGINEERING JUDGMENT
KNOWING THE PEAK TAILWATER CONDITIONS FROM LOCAL CONDITIONS
STAFF AND FEMA FIRM MAP/USGS QUADRANGLE INFORMATION.

100YR/24HR STORM RELATIONSHIP WAS USED FOR ALL 100 YEAR STORMS < 24HRS.

JACOBS

Made by: HDT Checked by: MBS
DATE: April 14 2011 3:15 PM
PROJECT: SR 15 WIDENING - SEMINOLE COUNTY, FL. Project Number: CB200230
Basin: Basin 'B' (Post-Development)

Site-Specific Pre-/Post- Pollutant Loading Analysis

Existing Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
EXISTING ROADWAY	HWY 50%	HSG D	0.871	X	14.56	=	12.68				12.68
Offsite Commercial	COMM	HSG D	0.964	X	2.80	=	2.70				2.70
			TOTALS =		17.36		15.38			TOTALS =	15.38

Proposed Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
PROPOSED ROADWAY	HWY 75%	HSG D	1.133	X	11.21	=	12.70				12.70
Offsite Commercial	COMM	HSG D	0.964	X	2.80	=	2.70				2.70
PROPOSED ROADWAY	HWY 75%	HSG D	1.133	X	3.35	=	3.80	Dry Retention	*1.25*	84	0.61
			TOTALS =		17.36		19.20			TOTALS =	16.01

CONCLUSION:

EXISTING OUTFLOW MASS LOADING = 15.38 kg/yr

PROPOSED OUTFLOW MASS LOADING = 16.01 kg/yr

==========

NET REDUCTION IN PHOSPHOROUS LOADING = -0.62 kg/yr

PERCENT NET REDUCTION IN TOTAL P LOADING = -4.05%

D

Appendix D

Basin C Drainage Calculations

- Pre and Post Development Basin Schematics
- Existing and Proposed Area Take-offs
- Pre and Post CN Calculation
- Pre and Post Tc Calculation
- SHGWT Determination
- French Drain Soil Boring Information
- French Drain Design Calculations
- Swale Design Calculations
- Existing Conditions ICPR
- Proposed Conditions ICPR
- Pond C FDOT (14-86) and SJRWMD Discharge Rate Summary
- Basin C Pre/Post Pollutant Loading Analysis

JACOBS

Made by: HDT Checked by:
Date: 05-Apr-11 Time: 4:49 PM
Project No.: 240196-1-32-01

SR 15/600 - Seminole County, Florida
AREA TAKE-OFF - Pre & Post

BASIN 'C' - EXISTING BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Ex. AREA imperv.	Ex. AREA perv.	COMMENTS
Basin C	780+60.00	802+60.00	4.76 ac.	2.89 ac.	1.87 ac.	Existing Roadway draining into existing SS system along Bargain Blvd.
Ex. Rdwy	780+60.00	788+00.00	1.03 ac.	0.83 ac.	0.20 ac.	Existing Roadway draining into Existing Seminole County Dry-Bottom Pond
Ex. Swales NB	788+00.00	802+60.00	1.21 ac.	0.71 ac.	0.50 ac.	Existing Roadway draining into Existing SS system along Bargain Blvd.
Ex. Offsite NB	784+00.00	788+00.00	1.55 ac.	0.23 ac.	1.32 ac.	Existing Offsite Area draining into Existing SS system along Bargain Blvd.
		TOTALS =	8.55 ac.	4.66 ac.	3.89 ac.	

BASIN 'C' - PROPOSED BASIN AREAS

Basin Designation	Station From	Station To	AREA Total	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
Basin C	780+60.00	788+00.00	2.57 ac.	1.95 ac.	0.62 ac.	Proposed Roadway draining into Exfiltration Trench.
Basin C North	788+00.00	802+60.00	0.69 ac.	0.53 ac.	0.16 ac.	Proposed Roadway draining into Existing SS system at Bargain Blvd. Exfiltraiton Trench provides Compensating Treatment Volume.
Swale C-1/C-2	788+00.00	802+60.00	1.22 ac.	0.79 ac.	0.43 ac.	Roadway draining into Dry-Bottom Swales.
Ex. Offsite NB	784+00.00	788+00.00	1.07 ac.	0.33 ac.	0.74 ac.	Existing Offsite draining into existing swales that flow north into stormsewer system along Bargain Blvd.
Ex. Rdwy 1	780+60.00	788+00.00	1.19 ac.	1.01 ac.	0.18 ac.	Existing Roadway draining into Existing Seminole County Dry-Bottom Pond
		TOTALS =	6.74 ac.	4.61 ac.	2.13 ac.	

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
2.41 ac.	1.80 ac.	0.61 ac.	Treated in Swales (Swale C-1/C-2) & Seminole County Pond (Ex. Rdwy).

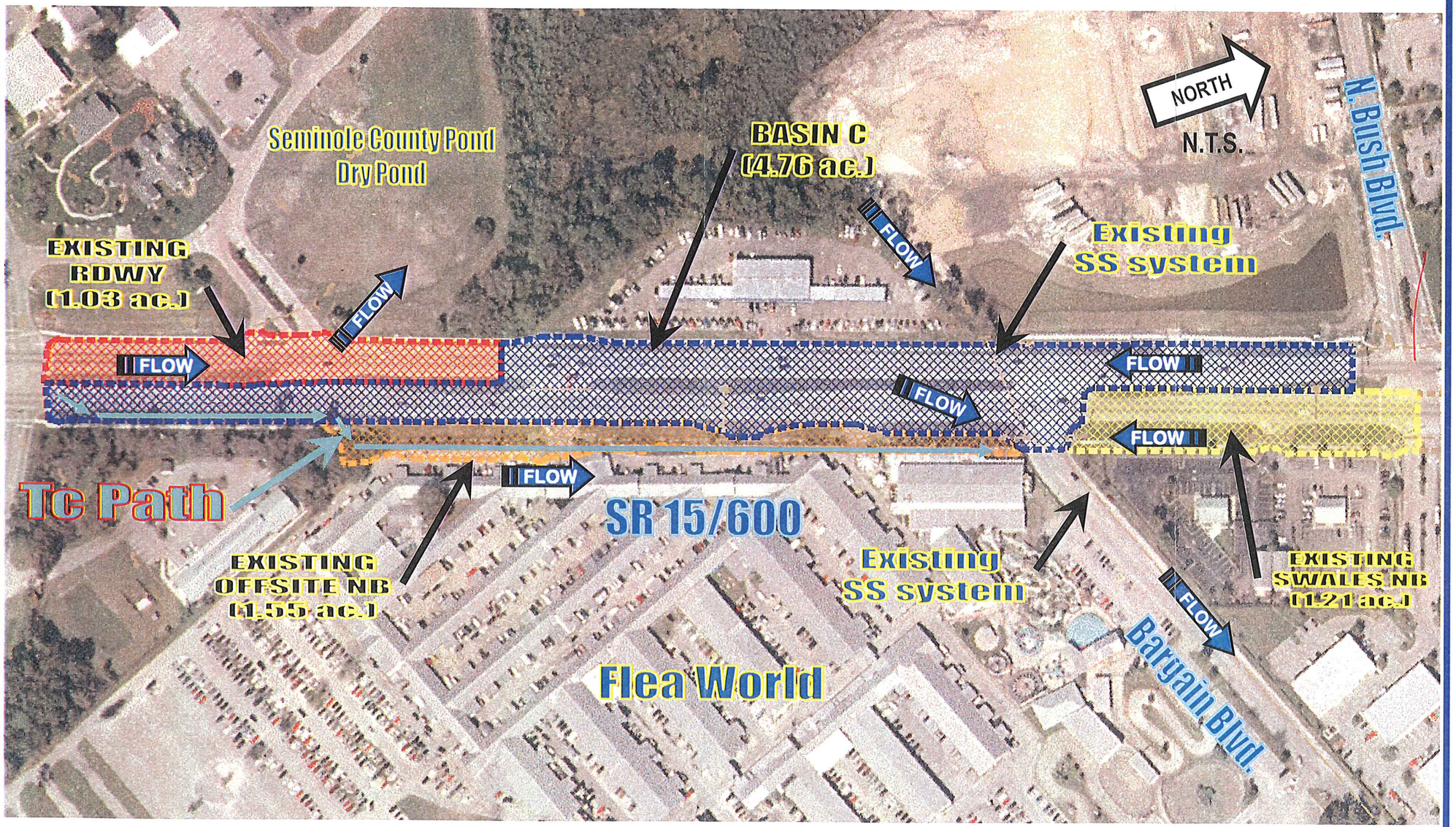
AREA Totals	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
3.26 ac.	2.48 ac.	0.78 ac.	Proposed Roadway area that the Exfiltration Trench is sized to accommodate (Basin C & Basin C North).

1.25 " over AREA impervious = 0.258 ac.-ft. 11,253.0 CU. FT.
0.50 " over AREA Total = 0.136 ac.-ft. 5,911.0 CU. FT.

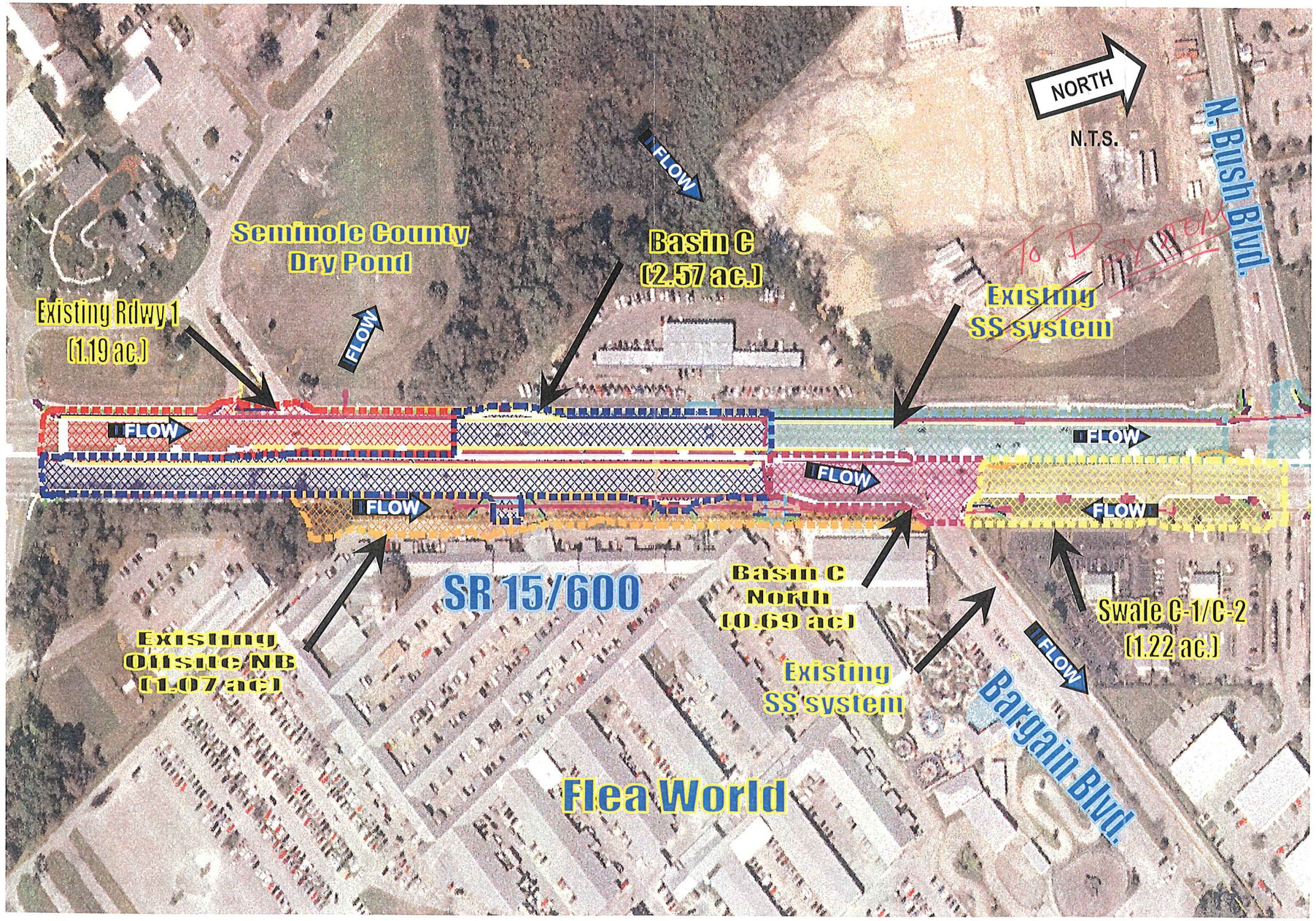
TREATMENT VOLUME = 0.258 ac.-ft. 11,253.0 CU. FT.

USE TREATMENT VOLUME = 0.258 ac.-ft. 11,253.0 CU. FT.

REQUIRED TREATMENT VOLUME



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	Pre-Development Condition BASIN 'C'	Carter Burgess	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure C-1



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	Post-Development Condition BASIN 'C'	Carter-Burgess	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure C-2

JACOBS

Made by: HDT Checked by:
Date: 05-Apr-11 Time: 4:49 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations Basin C

Pre-Development Area Calculations

Impervious Area = 2.89 ac.
Pervious Area = 1.87 ac.
Total Area = 4.76 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	2.89	283.22
80	1.87	149.60
Total =	4.76	432.82

$$\text{Weighted CN} = \frac{432.82}{4.76}$$

Weighted CN = 90.9

Soil Storage (S)

S = (1000 / CN) -10
S = 1.00 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.51 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.98 acre-feet

Post Development Area Calculations

Impervious Area = 2.48 ac.
Pervious Area = 0.78 ac.
Total Area = 3.26 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	2.48	243.04
80	0.78	62.40
Total =	3.26	305.44

$$\text{Weighted CN} = \frac{305.44}{3.26}$$

Weighted CN = 93.7

Soil Storage (S)

S = (1000 / CN) -10
S = 0.67 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.84 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 2.13 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 2.13 ac.-ft. - 2.98 ac.-ft.

Attenuation Volumetric Difference =	-0.85 Ac.-Ft.

JACOBS

Made by: HDT Checked by:
Date: 05-Apr-11 Time: 4:49 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations

Ex. Swales NB
Swale C-1/C-2

Pre-Developed
Post-Developed

Pre-Development Area Calculations

Impervious Area = 0.71 ac.
Pervious Area = 0.50 ac.
Total Area = 1.21 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.71	69.58
80	0.50	40.00
Total =	1.21	109.58

$$\text{Weighted CN} = \frac{109.58}{1.21}$$

Weighted CN = 90.6

Soil Storage (S)

S = (1000 / CN) -10
S = 1.04 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.46 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.75 acre-feet

Post Development Area Calculations

Impervious Area = 0.79 ac.
Pervious Area = 0.43 ac.
Total Area = 1.22 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.79	77.42
80	0.43	34.40
Total =	1.22	111.82

$$\text{Weighted CN} = \frac{111.82}{1.22}$$

Weighted CN = 91.7

Soil Storage (S)

S = (1000 / CN) -10
S = 0.91 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.60 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.77 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.77 ac.-ft. - 0.75 ac.-ft.

Attenuation Volumetric Difference = 0.02 Ac.-Ft.

JACOBS

Made by: HDT Checked by:
Date: 05-Apr-11 Time: 4:49 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations Ex. Offsite NB

Pre-Development Area Calculations

Impervious Area = 0.23 ac.
Pervious Area = 1.32 ac.
Total Area = 1.55 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.23	22.54
80	1.32	105.60
Total =	1.55	128.14

$$\text{Weighted CN} = \frac{128.14}{1.55}$$

Weighted CN = 82.7

Soil Storage (S)

S = (1000 / CN) -10
S = 2.10 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.51 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.84 acre-feet

Post Development Area Calculations

Impervious Area = 0.33 ac.
Pervious Area = 0.74 ac.
Total Area = 1.07 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.33	32.34
80	0.74	59.20
Total =	1.07	91.54

$$\text{Weighted CN} = \frac{91.54}{1.07}$$

Weighted CN = 85.6

Soil Storage (S)

S = (1000 / CN) -10
S = 1.69 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.86 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.61 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.61 ac.-ft. - 0.84 ac.-ft.

Attenuation Volumetric Difference = -0.23 Ac.-Ft.

JACOBS

Made by: HDT Checked by:
Date: 25-Apr-11 Time: 11:54 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations

Ex. Rdwy — **Pre-Developed**
Ex. Rdwy 1 — **Post-Developed**

Pre-Development Area Calculations

Impervious Area = 0.83 ac.
Pervious Area = 0.20 ac.
Total Area = 1.03 ac.

CN

CN	Area	CN * Area
98	0.83	81.42
80	0.20	16.00
Total =	1.03	97.42

Weighted CN = 97.42 / 1.03

Weighted CN = 94.6

Soil Storage (S)

S = (1000 / CN) -10
S = 0.57 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.95 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.68 acre-feet

Post Development Area Calculations

Impervious Area = 1.01 ac.
Pervious Area = 0.18 ac.
Total Area = 1.19 ac.

CN

CN	Area	CN * Area
98	1.01	98.98
80	0.18	14.40
Total =	1.19	113.38

Weighted CN = 113.38 / 1.19

Weighted CN = 95.3

Soil Storage (S)

S = (1000 / CN) -10
S = 0.50 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.03 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.80 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.80 ac.-ft. - 0.68 ac.-ft.

Attenuation Volumetric Difference = 0.11 Ac.-Ft.

Time of Concentration

Project	: SR 15/600	**Designed By:** MOL	**Date:**	3/16/09	
Location	: Seminole County, Florida	**Checked By:** MS	**Date:**		
Project Number	: 24019613201				
Consultant	: Carter & Burgess				
Date	: 3/16/09				

Basin 'C' - Pre-Development (See Exhibit)

NOTES: Space for as many as two segments per flow type can be used for each worksheet.
Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	40			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0198			
5a. Land elevation for upper end of flow path		54.40			
5b. Land elevation for lower end of flow path		53.61			
6. Compute Tt	hr	0.0080	+	=	0.01

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0.000			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.1000			
5a. Land elevation for upper end of flow path		0.00			
5b. Land elevation for lower end of flow path		0.00			
6. Compute Tt	hr	0.000	+	=	0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Paved			
8. Flow length, L	ft	285			
9. Calculated watercourse slope, s	ft/ft	0.0078			
9a. Land elevation for upper end of flow path		53.61			
9b. Land elevation for lower end of flow path		51.40			
10. Average velocity, V (Figure 3-1)	ft/s	1.79			
11. Compute Tt (Tt = L/(3600*V))	hr	0.044	+	=	0.04

Channel Flow

	Segment ID	to Outfall			
12. Cross sectional flow area, a		7.00			
13. Wetted perimeter, Pw		11.25			
14. Compute Hydraulic radius, r (r = a/Pw)		0.622			
15. Channel slope, s		0.0056			
16. Mannings roughness coefficient, n		0.042			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		1.93			
18. Flow length, L		1116			
19. Compute Tt (Tt = L/(3600*V))		0.160	+	=	0.16
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)				hr	0.21

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration =	12.75
Use Time of Concentration =	12.80

Time of Concentration

Project	: SR 15/600	**Designed By:** MOL	**Date:**	3/16/09	
Location	: Seminole County, Florida	**Checked By:** MS	**Date:**		
Project Number	: 24019613201				
Consultant	: Carter & Burgess				
Date	: 3/16/09				

Existing Roadway - Pre-Development (See Exhibit)

NOTES: *Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.*

Sheet Flow *(Applicable to Tc only)*

		Segment ID				
1. Surface description (Table 3-1)		Asphalt				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	40				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		---				
5b. Land elevation for lower end of flow path		---				
6. Compute Tt	hr	0.0080	+		=	0.01

Sheet Flow *(Applicable to Tc only)*

		Segment ID				
1. Surface description (Table 3-1)		Grass				
2. Mannings roughness coefficient, n (Table 3-1)		0.24				
3. Flow length, L (Total L ≤ 300 ft.)	ft	0.000				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.1000				
5a. Land elevation for upper end of flow path		0.00				
5b. Land elevation for lower end of flow path		0.00				
6. Compute Tt	hr	0.000	+		=	0.00

Shallow Concentrated Flow

		Segment ID				
7. Surface description (Paved or Unpaved)		Unpaved				
8. Flow length, L	ft	275				
9. Calculated watercourse slope, s	ft/ft	0.0135				
9a. Land elevation for upper end of flow path		---				
9b. Land elevation for lower end of flow path		---				
10. Average velocity, V (Figure 3-1)	ft/s	1.87				
11. Compute Tt (Tt = L/(3600*V))	hr	0.041	+		=	0.04

Channel Flow

	Segment ID	to Outfall				
12. Cross sectional flow area, a		1.77				
13. Wetted perimeter, Pw		4.71				
14. Compute Hydraulic radius, r (r = a/Pw)		0.375				
15. Channel slope, s		0.0200				
16. Mannings roughness coefficient, n		0.042				
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		2.61				
18. Flow length, L		110				
19. Compute Tt (Tt = L/(3600*V))		0.012	+		=	0.01
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)						hr 0.06

Reference: *Urban Hydrology for Small Watersheds*
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration =	3.63
Use Time of Concentration =	10.00

Time of Concentration

Project	: SR 15/600	**Designed By:** MOL	**Date:**	3/16/09	
Location	: Seminole County, Florida	**Checked By:** MS	**Date:**		
Project Number	: 24019613201				
Consultant	: Carter & Burgess				
Date	: 3/16/09				

Existing Offsite Area - Pre-Development (See Exhibit)

NOTES: *Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.*

Sheet Flow *(Applicable to Tc only)*

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.024			
3. Flow length, L (Total L ≤ 300 ft.)	ft	15			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0200			
5a. Land elevation for upper end of flow path		---			
5b. Land elevation for lower end of flow path		---			
6. Compute Tt	hr	0.0068	+	=	0.01

Sheet Flow *(Applicable to Tc only)*

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0.000			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.1000			
5a. Land elevation for upper end of flow path		0.00			
5b. Land elevation for lower end of flow path		0.00			
6. Compute Tt	hr	0.000	+	=	0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	20			
9. Calculated watercourse slope, s	ft/ft	0.0200			
9a. Land elevation for upper end of flow path		---			
9b. Land elevation for lower end of flow path		---			
10. Average velocity, V (Figure 3-1)	ft/s	2.28			
11. Compute Tt (Tt = L/(3600*V))	hr	0.002	+	=	0.00

Channel Flow

	Segment ID			
	to Outfall			
12. Cross sectional flow area, a	7.00			
13. Wetted perimeter, Pw	11.25			
14. Compute Hydraulic radius, r (r = a/Pw)	0.622			
15. Channel slope, s	0.0056			
16. Mannings roughness coefficient, n	0.042			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	1.93			
18. Flow length, L	1116			
19. Compute Tt (Tt = L/(3600*V))	0.160	+	=	0.16
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)			hr	0.17

Reference: *Urban Hydrology for Small Watersheds*
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration =	10.17
Use Time of Concentration =	10.20

Time of Concentration

Project	: SR 15/600	**Designed By:** MOL	**Date:**	3/16/09	
Location	: Seminole County, Florida	**Checked By:** MS	**Date:**		
Project Number	: 24019613201				
Consultant	: Carter & Burgess				
Date	: 3/16/09				

Existing Swale - Pre-Development (See Exhibit)

NOTES: *Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.*

Sheet Flow *(Applicable to Tc only)*

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	50			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0200			
5a. Land elevation for upper end of flow path		---			
5b. Land elevation for lower end of flow path		---			
6. Compute Tt	hr	0.0096	+		= 0.01

Sheet Flow *(Applicable to Tc only)*

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0.000			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.1000			
5a. Land elevation for upper end of flow path		0.00			
5b. Land elevation for lower end of flow path		0.00			
6. Compute Tt	hr	0.000	+		= 0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	490			
9. Calculated watercourse slope, s	ft/ft	0.0200			
9a. Land elevation for upper end of flow path		---			
9b. Land elevation for lower end of flow path		---			
10. Average velocity, V (Figure 3-1)	ft/s	2.28			
11. Compute Tt (Tt = L/(3600*V))	hr	0.060	+		= 0.06

Channel Flow

	Segment ID				
		to Outfall			
12. Cross sectional flow area, a		1.77			
13. Wetted perimeter, Pw		4.71			
14. Compute Hydraulic radius, r (r = a/Pw)		0.375			
15. Channel slope, s		0.0200			
16. Mannings roughness coefficient, n		0.042			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		2.61			
18. Flow length, L		46			
19. Compute Tt (Tt = L/(3600*V))		0.005	+		= 0.00
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)					hr 0.07

Reference: *Urban Hydrology for Small Watersheds*
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration =	4.45
Use Time of Concentration =	10.00

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 **By:** HDT **Date:** 4/5/11
Location: Seminole County, Florida **Checked:** MBS **Date:**

Circle One: Post **Basin 'C-out'**

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	59			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0259			
5a. Land elevation for upper end of flow path		56.20			
5b. Land elevation for lower end of flow path		54.67			
6. Compute Tt	hr	0.0098	+		0.01

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)					
2. Mannings roughness coefficient					
3. Flow length, L		0			
4. Two-yr 2	in	4.7			
5. Calculate	ft/ft	1.0000			
5a. Land		00			
5b. Land e		00			
6. Compute Tt		0.0000	+		= 0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Paved			
8. Flow length, L	ft	118			
9. Calculated watercourse slope, s	ft/ft	0.0063			
9a. Land elevation for upper end of flow path		54.61			
9b. Land elevation for lower end of flow path		53.87			
10. Average velocity, V (Figure 3-1)		1.61			
11. Compute Tt (Tt = L/(3600*V))	hr	0.0204	+		= 0.02

Channel Flow

		Segment ID			
		to Exfilt. Trench			
12. Cross sectional flow area, a		3.14			
13. Wetted perimeter, Pw		6.28			
14. Compute Hydraulic radius, r (r = a/Pw)		0.5			
15. Channel slope, s		0.0011			
16. Mannings roughness coefficient, n		0.013			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		2.45			
18. Flow length, L		1218			
19. Compute Tt (Tt = L/(3600*V))		0.1382	+		= 0.14
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)					hr 0.17

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 10.11 Minute(s)

Use Time of Concentration = 10.20 Minute(s)

USE Network "C-Out" for Tc

JACOBS

Made by: HDT Ch'd by:

DATE: May 4 2011 TIME: 4:36 PM

Project Number: 240196-1-32-01

PROJECT: SR 15/600 - Seminole County, Florida

ESTIMATED SEASONAL HIGH GROUNDWATER DETERMINATION

NODE NAME: Basin C

STATION	OFFSET (ft)	GROUND SURFACE ELEVATION (ft NAVD)	ENCOUNTERED GROUNDWATER ELEVATION (ft NAVD)	ESTIMATED SEASONAL HIGH GROUNDWATER (ft NAVD)	AVERAGE SEASONAL HIGH GROUNDWATER (ft NAVD)
785+20.00	0 RT	52.16	33.66	38.16	
789+00.00	0 RT	49.16	35.66	39.16	
793+00.00	0 RT	46.33	34.83	38.33	**38.55**

USE AN ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL OF 38.60 ft. NAVD

TABLE 1

RESULTS OF LABORATORY CLASSIFICATION TESTING
S.R. 15 (U.S. 17-92) from Shepard Road to Lake Mary Boulevard
Seminole County, Florida
FPID: 240196-1

Boring No.	Sample Depth (feet)	Stratum No.	Approx. Station (feet)	Approx. Offset (feet)	Centerline of Const.	AASHTO Class.	W%	OC%	Sieve Analysis (% Finer)					Atterberg Limits	
									#10	#40	#60	#100	#200	LL	PI
FD-2	0 to 4.5	1	787+00	C/L	S.R. 15	A-3	-	-	100	99	92	22	4	NP	NP
FD-3	3 to 8	1	789+00	C/L	S.R. 15	A-3	-	-	100	99	92	20	1	NP	NP
FD-4	9 to 11	2	791+00	C/L	S.R. 15	A-2-4	-	-	100	99	93	37	19	-	-
FD-5	10 to 13	2	793+00	C/L	S.R. 15	A-2-4	-	-	100	99	93	36	16	-	-
FD-1	3 to 5.5	3	785+20	C/L	S.R. 15	A-2-6	14	-	-	-	-	-	28	34	19

French Drain Soil Borings

TABLE 2

RESULTS OF PERMEABILITY TESTING
S.R. 15 (U.S. 17-92) from Shepard Road to Lake Mary Boulevard
Seminole County, Florida
FPID: 240196-1

Boring/Perm No.	S.R. 15 Centerline of Construction		Encountered Groundwater Depth (feet)	Estimated Seasonal High Groundwater Depth (feet)	Depth of Test (feet)	Measured Coefficient of Vertical Permeability, K_v (feet/day)
	Station (feet)	Offset (feet)				
FD-1/P-1*	785+20	C/L	18.5	14	16.5	17
FD-3/P-2	789+00	C/L	13.5	10	11.5	32
FD-5/P-3	793+00	C/L	11.5	8	9	31

* Laboratory falling-head permeability test.

Notes: 1. $K_h = 1.5\ K_v$ (1.5 is recommended for sands).

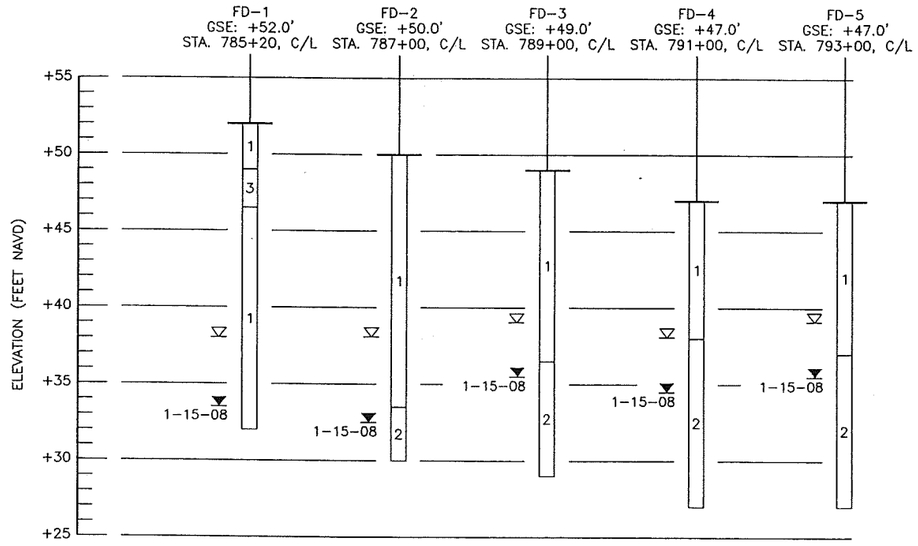
2. Mean coefficient of permeability km = $\sqrt{K_h * K_v}$

3. Transformation Ratio (m) = $\sqrt{K_h / K_v}$

4. The measured permeability rates presented are based on actual test results. The designer should incorporate a factor of safety in the design of the proposed french drain system.

$$K = \frac{(17+32+31)}{3} = 26.7\ ^{Ft}/_{DAY}$$

$$K = (26.7\ ^{Ft}/_{day})\left(\frac{1\ DAY}{86400\ sec}\right)\left(\frac{30.48\ cm}{1\ Ft}\right) = 0.0094\ cm/sec$$



LEGEND

1	Light brown to dark gray fine SAND to fine sand with silt, occasional limerock, (A-3)
2	Light to dark orange-brown silty fine SAND, (A-2-4)
3	Gray clayey fine SAND, (A-2-6)
(A-3)	A.A.S.H.T.O. soil classification group symbol
▼ 1-15-08	Depth to groundwater level in feet with date of reading
▽	Estimated seasonal high groundwater level
GSE	Ground surface elevation

REVISIONS

Date	By	Description	Date	By	Description

ENGINEER OF RECORD:

MUSTAPHA A. ABBOUD, P.E. #56112
PROFESSIONAL SERVICE INDUSTRIES, INC.
1748 33RD STREET
ORLANDO, FLORIDA 32839
(407)304-5560

LOGO: psi *Information To Build On*
Engineering · Consulting · Testing
CERTIFICATE OF AUTHORIZATION No. 00003684

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	SEMINOLE	240196-1

AUGER BORINGS FOR FRENCH DRAINS
S.R. 15 (U.S. 17-92) FROM
SHEPARD ROAD TO LAKE MARY BOULEVARD
SEMINOLE COUNTY, FLORIDA

SHEET NO.

PSI PROJECT No. 757-65133
SHEET: 11

JOBS

Made by: HDT Checked by:
Date: 05-Apr-11 Time: 4:49 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

BASIN AREA CALCULATIONS

Basin Designation	AREA TOTAL	AREA imperv.	AREA perv.	AREA ws
Basin C	3.26 ac.	2.48 ac.	0.78 ac.	0.00 ac.
TOTALS =	3.26 ac.	2.48 ac.	0.78 ac.	0.00 ac.

WATER QUALITY & WATER QUANTITY CALCULATIONS

RETENTION TREATMENT VOLUME: 1.25" x AREAimpervious or 1/2" x AREAtotal

1.25 inch VOLUME = (1.25 x AREAimp/12) =	0.258 ac.-ft.	11,253.0 CU. FT.
0.50 inch VOLUME = (0.50 x AREAtotal)/12 =	0.136 ac.-ft.	5,917.0 CU. FT.
TREATMENT VOLUME =	0.26 ac.-ft.	11,253.0 CU. FT.
USE TREATMENT VOLUME =	**0.26 ac.-ft.**	**11,253.0 CU. FT.**

USE THE GREATER OF THE TWO VOLUMES

TOTAL TREATMENT/RETENTION VOLUME =	**0.26 ac.-ft.**	**11,253.0 CU. FT.**

GEOTECHNICAL FIELD DATA

STRATUM	DESCRIPTION	PERMEABILITY, K	ESTIMATED SOIL POROSITY	SAFETY FACTOR	Kvs = K x 3600/2.54/FS	Kvu = 2/3 x Kvs	Kh = 1.5 x Kvu
FD-1	A-2-6	0.0090 cm/sec.	20.00%	2	6.4 in/hr	4.3 in/hr	6.4 in/hr
FD-5	A-2-4	0.0090 cm/sec.	20.00%	2	6.4 in/hr	4.3 in/hr	6.4 in/hr
					OVERALL Kvu = MEAN Kvu =	4.3 in/hr or	8.5 ft./day
					OVERALL Kh = MEAN Kh =	6.4 in/hr or	12.8 ft./day

EXFILTRATION TRENCH DESIGN

EXFILTRATION TRENCH DESIGN where: OVERALL Kvu = AVERAGE(Kvu's)

TRENCH NUMBER	TRENCH LENGTH	TRENCH WIDTH	TRENCH HEIGHT	TRENCH 'f'	TRENCH BOTTOM EL.	SEASONAL HIGH WT
C1	784.00 FT.	12.00 FT.	3.00 FT.	0.500	40.60 FT.	38.60 FT.

TRENCH NUMBER	NUMBER of PIPE(S)	PIPE DIAMETER	PIPE CROSS SECTIONAL AREA	VOLUME IN PIPE(S)	TRENCH AREA	TRENCH VOLUME = AREAtrench x LENGTH trench	ACTUAL TRENCH VOLUME = (VOL.trench - VOL.pipe) x 50%	TOTAL EXFILT. TRENCH VOLUME
C1	1	24 IN.	3.14 SQ.FT.	2,463.0 Cu-Ft.	9,408.00 SQ.FT.	28,224.0 Cu-Ft.	12,880.5 Cu-Ft.	15,343.5 Cu-Ft.
					CUMULATIVE EXFILTRATION TRENCH VOLUME			15,343.5 Cu-Ft.

TRENCH BOTTOM ELEVATION IS SET FOR COMPUTATIONAL PURPOSES, HOWEVER TRENCHES WILL BE CONSTRUCTED PER FDOT INDEX 285.

SUFFICIENT STORAGE

EXFILTRATION TRENCH DESIGN (continued)

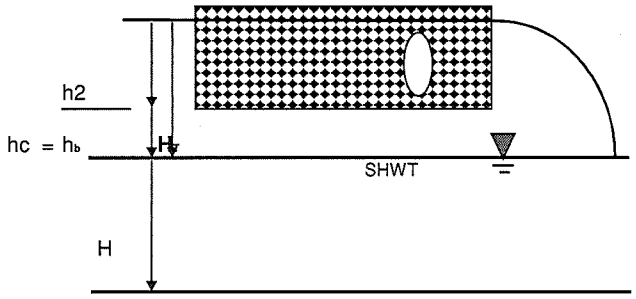
The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

EXFILTRATION TRENCH NUMBER: C1

SEASONAL HIGH GROUNDWATER TABLE LEVEL =	38.60 ft.
TRENCH BOTTOM ELEVATION =	40.60 ft.
TRENCH TOP ELEVATION =	43.60 ft.
TOTAL TRENCH HEIGHT =	3.00 ft.
ELEVATION @ AQUIFER DEPTH =	18.60 ft.
hb =	2.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f * hb =	0.40
TRENCH LENGTH =	784.00 ft.
TRENCH WIDTH =	12.00 ft.
Vu = L*W*f*hb =	3,763.2 Cu-Ft.
Kvu =	8.5 ft./day
Id = Kvu / 2 =	4.27
t saturation = hb * f / Id =	**0.09 Days**
Beginning Stage =	43.60 ft.
Total Volume =	15,343.5 Cu-Ft.
Remaining Volume = Total Volume - Vu =	11,580.3 Cu-Ft.
Remaining Stage =	42.82 ft.
hc =	2.00 ft.
h2 =	2.22 ft.
HT = hb+h2 =	4.22 ft.
Fy = hc / HT =	0.47
L / W =	65.33
Fx =	**0.75**
H = SHWT - top of aquiclude =	20.00 ft.
D = H + hc / 2 =	21.00 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.24 Days**

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

t saturation = hb * f / Id =	0.09 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.24 Days
Total Days =	**0.33 Days**



BOTTOM OF THE AQUIFER

VOLUME	STAGE	VOLUME (ac-ft)
0.0 Cu-Ft.	40.60 ft.	0.0000 ac.-ft.
742.7 Cu-Ft.	40.76 ft.	0.0171 ac.-ft.
1,485.5 Cu-Ft.	40.92 ft.	0.0341 ac.-ft.
2,228.2 Cu-Ft.	41.07 ft.	0.0512 ac.-ft.
3,005.5 Cu-Ft.	41.23 ft.	0.0690 ac.-ft.
3,823.7 Cu-Ft.	41.39 ft.	0.0878 ac.-ft.
4,662.1 Cu-Ft.	41.55 ft.	0.1070 ac.-ft.
5,513.7 Cu-Ft.	41.71 ft.	0.1266 ac.-ft.
6,373.7 Cu-Ft.	41.86 ft.	0.1463 ac.-ft.
7,238.6 Cu-Ft.	42.02 ft.	0.1662 ac.-ft.
8,105.0 Cu-Ft.	42.18 ft.	0.1861 ac.-ft.
8,969.8 Cu-Ft.	42.34 ft.	0.2059 ac.-ft.
9,829.8 Cu-Ft.	42.49 ft.	0.2257 ac.-ft.
10,681.4 Cu-Ft.	42.65 ft.	0.2452 ac.-ft.
11,519.8 Cu-Ft.	42.81 ft.	0.2645 ac.-ft.
12,338.0 Cu-Ft.	42.97 ft.	0.2832 ac.-ft.
13,115.3 Cu-Ft.	43.13 ft.	0.3011 ac.-ft.
13,858.0 Cu-Ft.	43.28 ft.	0.3181 ac.-ft.
14,600.8 Cu-Ft.	43.44 ft.	0.3352 ac.-ft.
15,343.5 Cu-Ft.	43.60 ft.	0.3522 ac.-ft.

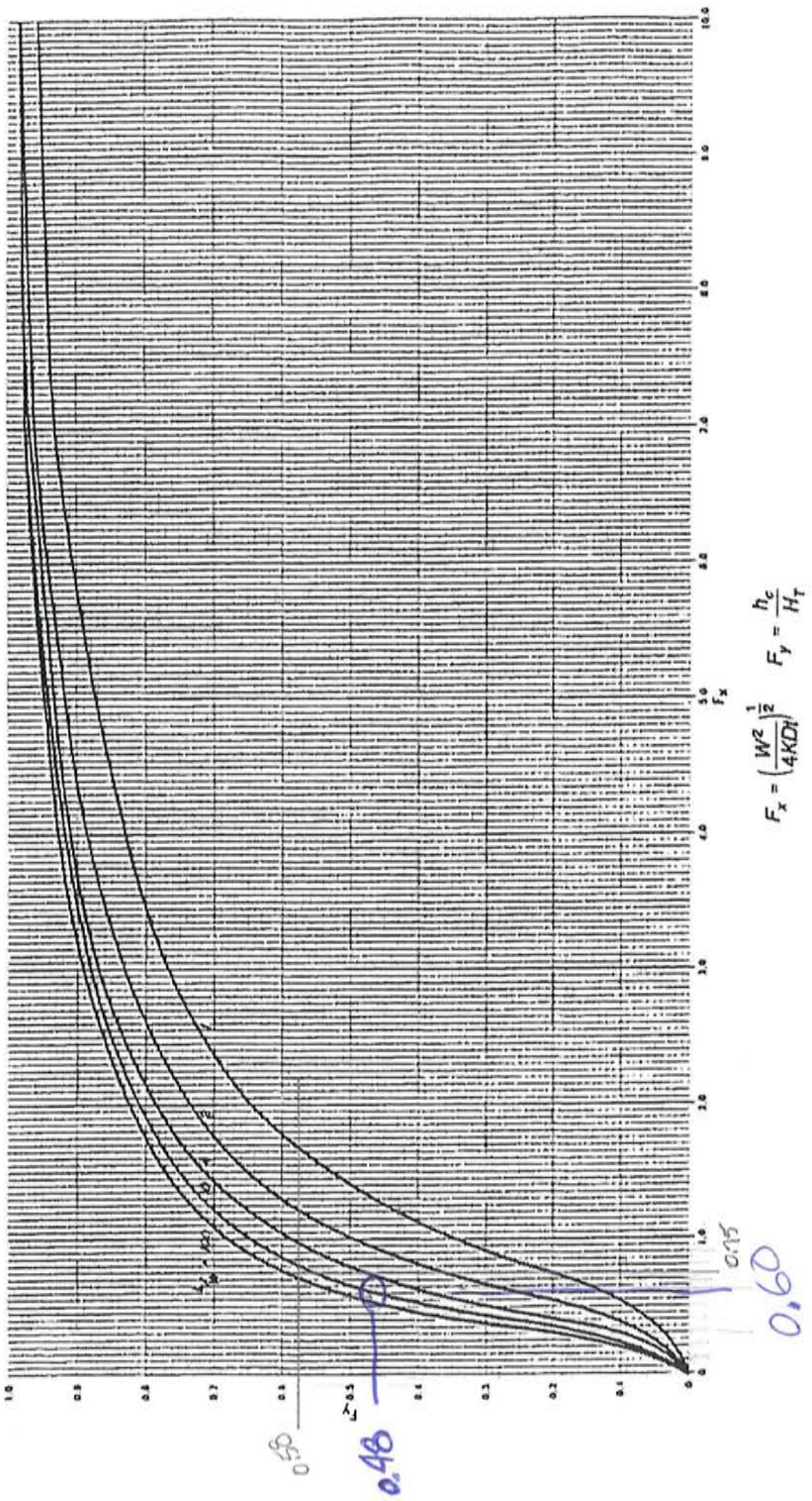


Figure 26-6. Dimensionless Curves Relating Basin Design Parameters to Basin Water Level in a Rectangular Retention Basin Over an Unconfined Aquifer ($f = 0.2$) (Source: Andreyev and Wiseman, 1989).

JACOBS

Made by: HDT
Date: April 5 2011
Ch'd by:
Time: 4:49 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

ROADWAY APPROACH BASIN AREA CALCULATIONS TO SWALES

Basin Designation	Station From	Station To	AREA Total	R/W WIDTH	Proposed Pavt Width	Proposed Area Imperv.	Proposed Area Pervious
Swale C-1/C-2	788+00.00	802+60.00	1.22 ac.	100.00 ft.	52.00 ft.	0.79 ac.	0.43 ac.
Northbound							
TOTALS =			**1.22 ac.**			**0.79 ac.**	**0.43 ac.**

AREA Totals	Proposed Area Imperv.	Proposed Area Pervious
1.22 ac.	0.79 ac.	0.43 ac.

1.25 " over AREA impervious = 0.082 ac.-ft. 3,585.0 CU. FT.
0.50 " over AREA Total = 0.051 ac.-ft. 2,214.0 CU. FT.

TREATMENT VOLUME = 0.082 ac.-ft. 3,585.0 CU. FT.

TREATMENT VOLUME = 0.082 ac.-ft. 3,585.0 CU. FT.

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Made by: HDT Ch'd by.
Date: April 5 2011 Time: 4:49 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

DITCH CELL CALCULATIONS

Swale C-1/C-2 Northbound

Ditch Cell	Stage	Area *	Avg. Area	Incre Depth	Incre Vol.	Storage	
C-1	40.50	2,512.00 SQ.FT.	---	---		0.00 cu. ft.	0.000 ac.-ft.
	41.00	3,177.00 SQ.FT.	2,844.50 SQ.FT.	0.50	1,422.25 cu. ft.	1,422.25 cu. ft.	0.033 ac.-ft.
	42.00	4,551.00 SQ.FT.	3,864.00 SQ.FT.	1.00	3,864.00 cu. ft.	5,286.25 cu. ft.	0.121 ac.-ft.
	43.00	5,981.00 SQ.FT.	5,266.00 SQ.FT.	1.00	5,266.00 cu. ft.	10,552.25 cu. ft.	0.242 ac.-ft.
C-2	40.50	1,427.50 SQ.FT.	---	---	---	0.00 cu. ft.	0.000 ac.-ft.
	41.00	1,806.00 SQ.FT.	1,616.75 SQ.FT.	0.50	808.38 cu. ft.	808.38 cu. ft.	0.019 ac.-ft.
	42.00	2,603.00 SQ.FT.	2,204.50 SQ.FT.	1.00	2,204.50 cu. ft.	3,012.88 cu. ft.	0.069 ac.-ft.
	43.00	3,457.00 SQ.FT.	3,030.00 SQ.FT.	1.00	3,030.00 cu. ft.	6,042.88 cu. ft.	0.139 ac.-ft.

Ditch Cell	Stage	Storage
Swale C-1/C-2	40.50	0.000 ac.-ft.
	41.00	0.051 ac.-ft.
	42.00	0.191 ac.-ft.
	43.00	0.381 ac.-ft.

TREATMENT VOLUME = 0.082 ac.-ft. 3,585.0 CU. FT.

TREATMENT STAGE = 41.22 ft.

TREATMENT VOLUME in Swale C-1 =	0.052 ac.-ft.	2,284.4 CU. FT.
TREATMENT VOLUME in Swale C-2 =	0.030 ac.-ft.	1,300.2 CU. FT.

* SWALE AREAS ARE DETERMINED USING MICRO STATION AREA COMMAND FOR EACH STAGE (CONTOUR).

JACOBS

Made by: HDT Ch'd by:
Date: May 2 2011 Time: 8:47 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

ESTIMATED SEASONAL HIGH GROUNDWATER DETERMINATION

SWALE : **Swale C-1/C-2**

STATION	OFFSET (ft)	GROUND SURFACE ELEVATION (ft NAVD)	ENCOUNTERED GROUNDWATER ELEVATION (ft NAVD)	ESTIMATED SESONAL HIGH GROUNDWATER (ft NAVD)	AVERAGE SEASONAL HIGH GROUNDWATER (ft NAVD)
798+00.00	68 RT	42.00	38.50	39.50	
799+00.00	64 RT	42.00	38.50	39.50	
800+00.00	64 RT	42.00	38.50	39.50	**39.50**

USE AN ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH OF 39.50 ft.

JACOBS

Made by: HDT | Ch'd by:
Date: May 5 2011 | Time: 4:58 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

BASIN AREA CALCULATIONS

Basin Designation	AREA TOTAL	AREA imperv.	AREA perv.	AREA ws
Swale C-1/C-2	1.22 ac.	0.79 ac.	0.43 ac.	0.00 ac.
TOTALS =	1.22 ac.	0.79 ac.	0.43 ac.	0.00 ac.

GEOTECHNICAL FIELD DATA

STRATUM	DESCRIPTION	PERMEABILITY, K	ESTIMATED SOIL POROSITY	SAFETY FACTOR	Kvs = K x 3600/2.54/FS	Kvu = 2/3 x Kvs	Kh = 1.5 x Kvu
1	LT GRAYISH BROWN FINE SAND w/ SILT	0.0011 cm/sec.	30.00%	2	0.8 in/hr	0.5 in/hr	0.8 in/hr
2	LT GRAYISH BROWN FINE SAND w/ SILT	0.0011 cm/sec.	30.00%	2	0.8 in/hr	0.5 in/hr	0.8 in/hr
				OVERALL Kvu = MEAN Kvu =		0.5 in/hr or	1.0 ft./day
				OVERALL Kh = MEAN Kh =		0.8 in/hr or	1.5 ft./day

SWALE DESIGN

SWALE NUMBER	SWALE LENGTH	SWALE BOTTOM WIDTH	SWALE HEIGHT	SWALE ' f '	SWALE BOTTOM EL.	Between SHWT & NWL
C-1	206.79 FT.	10.50 FT.	1.50 FT.	0.300	40.50 FT.	39.50 FT.
C-2	115.13 FT.	13.00 FT.	1.50 FT.	0.300	40.50 FT.	39.50 FT.

* Effective Length determined using CADD to establish swale bottom length for recovery.

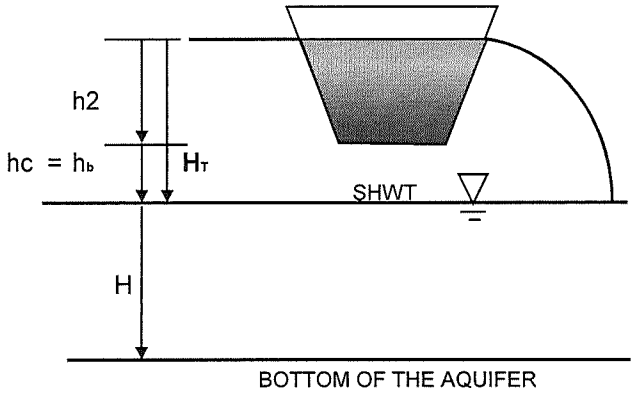
SWALE NUMBER	EFFECTIVE SWALE LENGTH	SWALE BOTTOM WIDTH	AVERAGE SWALE CROSS SECTIONAL AREA	VOLUME IN SWALE(S)
C-1	206.79 FT.	10.50 FT.	22.50 SQ.FT.	4,652.8 Cu-Ft.
C-2	115.13 FT.	13.00 FT.	26.25 SQ.FT.	3,022.2 Cu-Ft.
		CUMULATIVE SWALE STORAGE VOLUME		7,674.9 Cu-Ft.

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**C-1**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	39.50 ft.
SWALE BOTTOM ELEVATION =	40.50 ft.
SWALE TOP ELEVATION =	42.00 ft.
TOTAL SWALE HEIGHT =	1.50 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	29.50 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.30
hu = f x hb =	0.30
USE THE EFFECTIVE SWALE LENGTH =	206.79 ft.
SWALE WIDTH =	10.50 ft.
Vu = L*W*f*hb =	651.4 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.60 Days**
Total Volume =	2,284.4 Cu-Ft.
Vu = L*W*f*hb =	651.4 Cu-Ft.
Remaining Volume =	1,633.0 Cu-Ft.
Remaining Stage =	41.02 ft.
hc =	1.00 ft.
h2 =	0.52 ft.
HT = hb+h2 =	1.52 ft.
Fy = hc / HT =	0.66
L / W =	19.69
Fx =	**1.10**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**1.45 Days**
t saturation = hb * f / Id =	0.60 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	1.45 Days
Total Days =	**2.05 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	40.50 ft.
2,284.4 Cu-Ft.	41.22 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20

ACOBS

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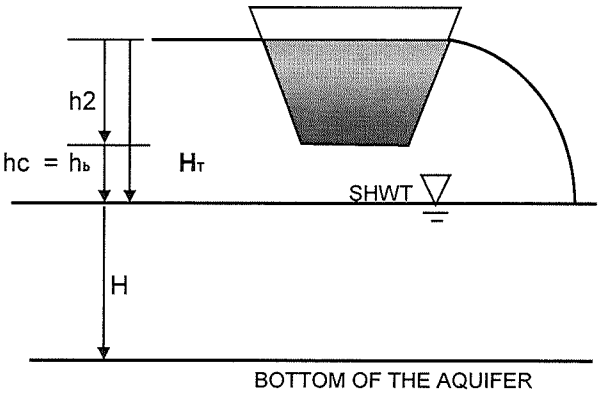
Date: May 4 2011 | Time: 10:25 AM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**C-2**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	39.50 ft.
SWALE BOTTOM ELEVATION =	40.50 ft.
SWALE TOP ELEVATION =	42.00 ft.
TOTAL SWALE HEIGHT =	1.50 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	29.50 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.30
hu = f x hb =	0.30
USE THE EFFECTIVE SWALE LENGTH =	115.13 ft.
SWALE WIDTH =	13.00 ft.
Vu = L*W*f*hb =	449.0 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.60 Days**
Total Volume =	1,300.2 Cu-Ft.
Vu = L*W*f*hb =	449.0 Cu-Ft.
Remaining Volume =	851.2 Cu-Ft.
Remaining Stage =	40.97 ft.
hc =	1.00 ft.
h2 =	0.47 ft.
HT = hb+h2 =	1.47 ft.
Fy = hc / HT =	0.68
L / W =	8.86
Fx =	**1.15**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**2.03 Days**
t saturation = hb * f / Id =	0.60 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	2.03 Days
Total Days =	**2.63 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	40.50 ft.
1,300.2 Cu-Ft.	41.22 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20

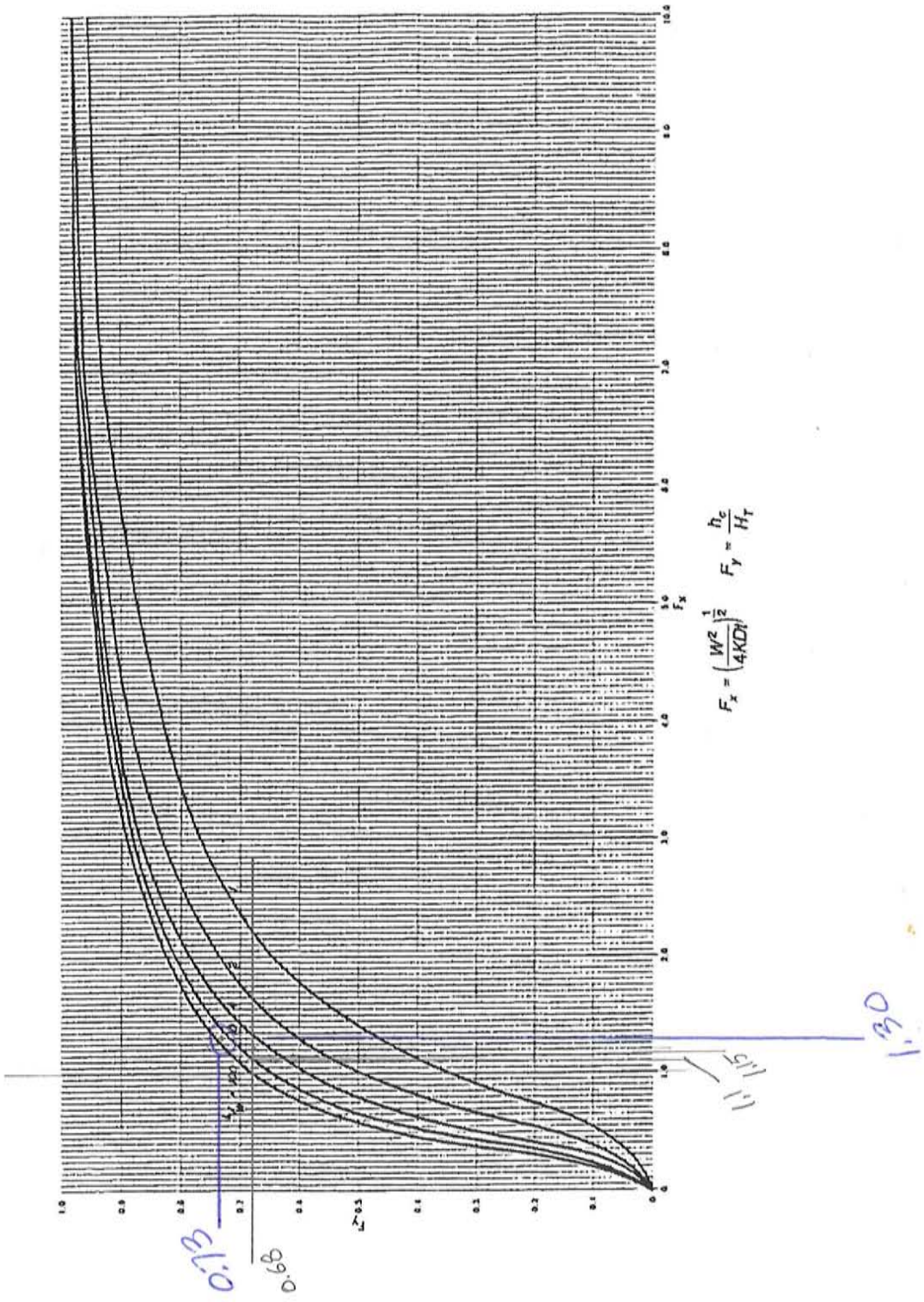


Figure 26-6. Dimensionless Curves Relating Basin Design Parameters to Basin Water Level in a Rectangular Retention Basin Over an Unconfined Aquifer ($f = 0.2$) (Source: Andreyev and Wiseman, 1989).

TABLE 14.--PHYSICAL AND CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Erosion factors		Wind erodibility group	Organic matter
									K	T		
	In	Pct	G/cc	In/hr	In/in	pH	mmhos/cm					Pct
25----------	0-1	1-6	1.25-1.60	6.0-20	0.05-0.10	4.5-7.3	<2	Low-------	0.10	5	2	.5-6
Pineda	1-26	1-8	1.40-1.70	6.0-20	0.02-0.05	4.5-7.3	<2	Low-------	0.10			
	26-68	10-25	1.50-1.70	<0.2	0.10-0.15	5.1-8.4	<2	Low-------	0.24			
	68-80	3-12	1.45-1.60	2.0-6.0	0.02-0.05	5.6-8.4	<2	Low-------	0.10			
26. Udorthents												
27----------	0-31	<2	1.35-1.65	>20	0.02-0.05	4.5-6.0	<2	Low-------	0.10	5	1	<1
Pomello	31-40	<2	1.45-1.60	2.0-6.0	0.10-0.30	4.5-6.0	<2	Low-------	0.15			
	40-80	<2	1.35-1.65	6.0-20	0.02-0.05	4.5-6.0	<2	Low-------	0.10			
28----------	0-4	0-8	1.20-1.50	6.0-20	0.02-0.05	4.5-7.8	<2	Low-------	0.10	5	2	1-4
Pompano	4-80	0-8	1.45-1.65	6.0-20	0.02-0.05	4.5-7.8	<2	Low-------	0.10			
29:												
St. Johns-------	0-12	1-4	1.30-1.50	6.0-20	0.10-0.15	3.6-5.5	<2	Low-------	0.10	5	2	2-4
	12-22	1-3	1.50-1.70	6.0-20	0.03-0.08	3.6-5.5	<2	Low-------	0.10			
	22-54	2-6	1.50-1.58	0.2-2.0	0.10-0.30	3.6-5.5	<2	Low-------	0.15			
	54-80	1-4	1.50-1.65	6.0-20	0.03-0.08	3.6-5.5	<2	Low-------	0.10			
EauGallie-------	0-16	<5	1.25-1.50	6.0-20	0.02-0.07	4.5-6.0	<2	Low-------	0.10	5	2	2-8
	16-35	1-8	1.45-1.60	0.6-6.0	0.15-0.25	4.5-6.5	<2	Low-------	0.15			
	35-38	1-5	1.45-1.65	6.0-20	0.02-0.05	4.5-7.8	<2	Low-------	0.10			
	38-72	13-31	1.55-1.70	0.06-2.0	0.10-0.20	4.5-7.8	<2	Low-------	0.20			
	72-80	1-13	1.45-1.55	0.6-6.0	0.05-0.15	4.5-7.8	<2	Low-------	0.15			
30----------	0-15	1-8	1.35-1.45	6.0-20	0.07-0.12	4.5-7.3	<2	Low-------	0.10	5	2	1-5
Seffner	15-80	1-8	1.50-1.60	6.0-20	0.04-0.08	4.5-7.3	<2	Low-------	0.10			
31:												
Tavares---------	0-6	0-4	1.25-1.60	>6.0	0.05-0.10	3.6-6.0	<2	Low-------	0.10	5	2	.5-2
	6-80	0-4	1.40-1.70	>6.0	0.02-0.05	3.6-6.0	<2	Low-------	0.10			
Millhopper------	0-45	2-8	1.50-1.67	6.0-20	0.05-0.10	4.5-6.5	<2	Low-------	0.10	5	2	.5-2
	45-80	12-28	1.80-1.90	0.06-2.0	0.08-0.15	4.5-6.0	<2	Low-------	0.28			
32:												
Tavares---------	0-9	0-4	1.25-1.60	>6.0	0.05-0.10	3.6-6.0	<2	Low-------	0.10	5	2	.5-2
	9-80	0-4	1.40-1.70	>6.0	0.02-0.05	3.6-6.0	<2	Low-------	0.10			
Millhopper------	0-50	2-8	1.50-1.67	6.0-20	0.05-0.10	4.5-6.5	<2	Low-------	0.10	5	2	.5-2
	50-80	12-28	1.80-1.90	0.06-2.0	0.08-0.15	4.5-6.0	<2	Low-------	0.28			
33----------	0-80	---	0.15-0.35	6.0-20	0.30-0.50	4.5-8.4	<2	Low-------	----	2	2	>60
Terra Ceia												
34. Urban land												
35----------	0-4	1-5	1.25-1.45	6.0-20	0.03-0.08	3.6-6.5	<2	Low-------	0.10	5	2	1-4
Wabasso	4-18	0-5	1.35-1.55	6.0-20	0.02-0.05	3.6-6.5	<2	Low-------	0.10			
	18-25	1-12	1.50-1.75	0.6-2.0	0.10-0.15	4.5-7.3	<2	Low-------	0.15			
	25-27	2-5	1.40-1.55	6.0-20	0.02-0.05	5.1-8.4	<2	Low-------	0.10			
	27-70	12-30	1.60-1.75	<0.2	0.10-0.15	5.1-8.4	<2	Low-------	0.24			
	70-80	2-12	1.40-1.70	6.0-20	0.05-0.10	7.4-8.4	<2	Low-------	0.10			

TABLE 15.--SOIL AND WATER FEATURES--Continued

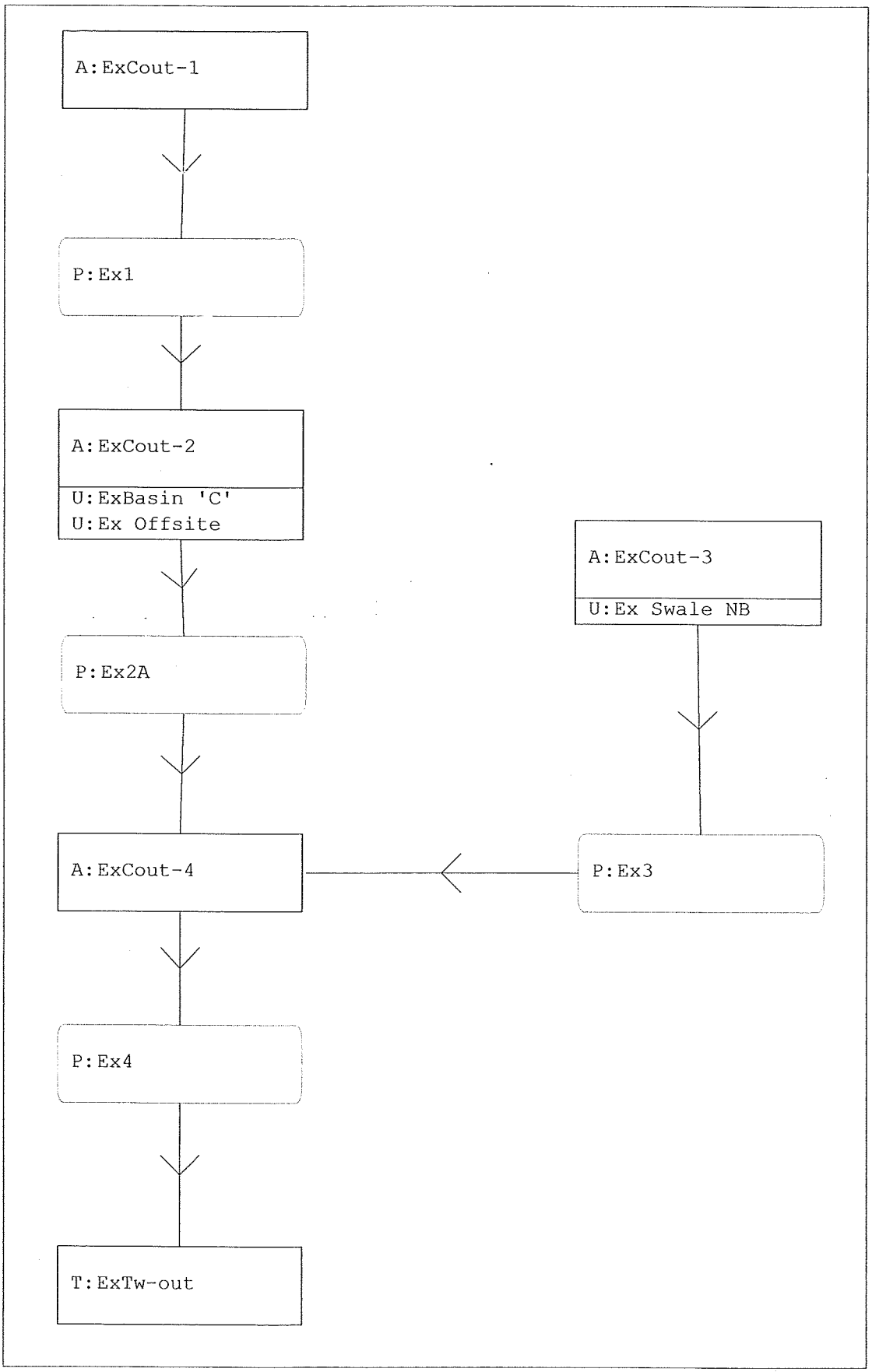
Map symbol and soil name	Hydrologic group	Flooding			High water table			Subsidence		Risk of corrosion	
		Frequency	Duration	Months	Depth	Kind	Months	Initial	Total	Uncoated steel	Concrete
					Ft			In	In		
24:											
Paola	A	None	---	---	>6.0	---	---	---	---	Low	High.
St. Lucie	A	None	---	---	>6.0	---	---	---	---	Low	Moderate.
25--- Pineda	B/D	None	---	---	0-1.0	Apparent	Jun-Nov	---	---	High	Low.
26. Udorthents											
27--- Pomello	C	None	---	---	2.0-3.5	Apparent	Jul-Nov	---	---	Low	High.
28--- Pompano	D	Occasional	Brief	Jun-Nov	0-1.0	Apparent	Jun-Nov	---	---	High	Moderate.
29:											
St. Johns	B/D	None	---	---	0-1.0	Apparent	Jun-Apr	---	---	High	High.
EauGallie	B/D	None	---	---	0-1.0	Apparent	Jun-Oct	---	---	High	Moderate.
30--- Seffner	C	None	---	---	1.5-3.5	Apparent	Jun-Nov	---	---	Low	Moderate.
31, 32:											
Tavares	A	None	---	---	3.5-6.0	Apparent	Jul-Dec	---	---	Low	High.
Millhopper	A	None	---	---	3.5-6.0	Perched	Jul-Dec	---	---	Low	Moderate.
33--- Terra Ceia	D	Frequent	Long	Jun-Nov	0-1.0	Apparent	Jan-Dec	16-20	50-60	Moderate	Moderate.
34--- Urban land	D	None	---	---	>2.0	---	---	---	---	---	---
35--- Wabasso	B/D	None	---	---	0-1.0	Apparent	Jun-Oct	---	---	Moderate	High.

Basin C Existing Conditions
March 02, 2009

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

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

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



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

Name: Ex Offsite | Node: ExCout-2 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph	Uh323	Peaking Factor	323.0
Rainfall File	Flmod	Storm Duration(hrs)	0.00
Rainfall Amount(in)	0.000	Time of Conc(min)	10.20
Area(ac)	1.550	Time Shift(hrs)	0.00
Curve Number	82.70	Max Allowable Q(cfs)	999999.000
DCIA(%)	0.00		

Existing onsite and offsite area south of Bargain Bldv. that outfalls into roadside ditch located on the east side of the SR 15/600 adjacent to Flea World and flows north into the existing SS system at Bargain Blvd.

Name: Ex Rdwy | Node: Ex Sem Pond | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph	Uh323	Peaking Factor	323.0
Rainfall File	Flmod	Storm Duration(hrs)	0.00
Rainfall Amount(in)	0.000	Time of Conc(min)	10.00
Area(ac)	1.030	Time Shift(hrs)	0.00
Curve Number	94.60	Max Allowable Q(cfs)	999999.000
DCIA(%)	0.00		

Existing SR 15/600 rdwy discharging into the existing Seminole County Dry Pond.

Name: Ex Swale NB | Node: ExCout-3 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph	Uh323	Peaking Factor	323.0
Rainfall File	Flmod	Storm Duration(hrs)	0.00
Rainfall Amount(in)	0.000	Time of Conc(min)	10.00
Area(ac)	1.210	Time Shift(hrs)	0.00
Curve Number	90.60	Max Allowable Q(cfs)	999999.000
DCIA(%)	0.00		

Existing Roadway north of Bargain that outfalls into swales located on the east side of SR 15/600 and discharge south into the existing SS system at Bargain BLvd. -Swale C-1/C-2

Name: ExBasin 'C' | Node: ExCout-2 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph	Uh323	Peaking Factor	323.0
Rainfall File	Flmod	Storm Duration(hrs)	0.00
Rainfall Amount(in)	0.000	Time of Conc(min)	12.80
Area(ac)	4.760	Time Shift(hrs)	0.00
Curve Number	90.90	Max Allowable Q(cfs)	999999.000
DCIA(%)	0.00		

Existing Roadway outfalling into existing SS system at Bargain Blvd. - Basin 'C'

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

Name: ExCout-1 | Base Flow(cfs): 42.000 | Init Stage(ft): 34.030
Group: Existing | Warn Stage(ft): 44.000
Type: Stage/Area

Existing Headwall Node at Sta. 792+70.60 Lt.

Stage(ft)	Area(ac)
34.030	0.1000
44.000	0.1100

Name: ExCout-2 Base Flow(cfs): 0.000 Init Stage(ft): 33.900
Group: Existing Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH at Sta. 796+40.00 Rt.

Stage(ft)	Area(ac)

Name: ExCout-3 Base Flow(cfs): 0.000 Init Stage(ft): 39.900
Group: Existing Warn Stage(ft): 43.000
Type: Stage/Area

Existing MES Node at Sta. 797+03.10 Rt.

Stage(ft)	Area(ac)

Name: ExCout-4 Base Flow(cfs): 0.000 Init Stage(ft): 33.600
Group: Existing Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH Node at Sta. 797+02.82 Rt.

Stage(ft)	Area(ac)

Name: ExTw-out Base Flow(cfs): 0.000 Init Stage(ft): 33.000
Group: Existing Warn Stage(ft): 34.000
Type: Time/Stage

Estimated Tailwater at Crown of Pipe to Six-Mile Creek

Time(hrs)	Stage(ft)
0.00	33.000
12.00	33.000
24.00	33.000
240.00	33.000

==========
==== Pipes ====
==========

Name: Ex1 From Node: ExCout-1 Length(ft): 177.00
Group: Existing To Node: ExCout-2 Count: 1
Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	36.00	36.00
Rise(in):	36.00	36.00
Invert(ft):	34.030	33.900
Manning's N:	0.012000	0.012000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Stabilizer Option: None

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

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

Existing 36" Pipe to Existing MH

Name: Ex2A From Node: ExCout-2 Length(ft): 71.00
Group: Existing To Node: ExCout-4 Count: 1
Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.70
Invert(ft):	33.900	33.600	Exit Loss Coef:	0.00
Manning's N:	0.012000	0.012000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing MH to Existing MH on Bargain Blvd

Name:	Ex3	From Node:	ExCout-3
Group:	Existing	To Node:	ExCout-4

Length(ft):	60.00
Count:	1
Friction Equation:	Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	24.00	24.00	Flow:	Both
Rise(in):	24.00	24.00	Entrance Loss Coef:	0.50
Invert(ft):	39.920	38.600	Exit Loss Coef:	0.00
Manning's N:	0.012000	0.012000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing MES/Swale Dishcarge to Existing MH on Bargain Blvd

Name:	Ex4	From Node:	ExCout-4
Group:	Existing	To Node:	ExTw-out

Length(ft):	965.00
Count:	1
Friction Equation:	Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.50
Invert(ft):	33.600	30.000	Exit Loss Coef:	0.00
Manning's N:	0.012000	0.012000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing Outfall Pipe to Existing MH on Bargain Blvd to Six Mile Creek

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

Name: 002Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00

```
         Rainfall File: FDOT-1
    Rainfall Amount(in): 2.25

Time(hrs)        Print Inc(min)
---------------- ---------------
2.000            2.50

------------------------------------------------------------------------------------------------------------
        Name: 002Y002H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y002H.R32

     Override Defaults: Yes
    Storm Duration(hrs): 2.00
         Rainfall File: FDOT-2
    Rainfall Amount(in): 2.70

Time(hrs)        Print Inc(min)
---------------- ---------------
4.000            2.50

------------------------------------------------------------------------------------------------------------
        Name: 002Y004H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y004H.R32

     Override Defaults: Yes
    Storm Duration(hrs): 4.00
         Rainfall File: FDOT-4
    Rainfall Amount(in): 3.25

Time(hrs)        Print Inc(min)
---------------- ---------------
6.000            2.50

------------------------------------------------------------------------------------------------------------
        Name: 002Y008H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y008H.R32

     Override Defaults: Yes
    Storm Duration(hrs): 8.00
         Rainfall File: FDOT-8
    Rainfall Amount(in): 3.70

Time(hrs)        Print Inc(min)
---------------- ---------------
12.000           2.50

------------------------------------------------------------------------------------------------------------
        Name: 002Y024H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y024H.R32

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

Time(hrs)        Print Inc(min)
---------------- ---------------
30.000           5.00

------------------------------------------------------------------------------------------------------------
        Name: 002Y072H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y072H.R32

     Override Defaults: Yes
    Storm Duration(hrs): 72.00
         Rainfall File: FDOT-72
    Rainfall Amount(in): 5.80

Time(hrs)        Print Inc(min)
---------------- ---------------
77.000           5.00

------------------------------------------------------------------------------------------------------------
        Name: 002Y168H
```

Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 7.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 002Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 8.20

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 005Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 005Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 005Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.13

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 005Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.73

Time(hrs)	Print Inc(min)

12.000 2.50

Name: 005Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 005Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.63

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 005Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 005Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 010Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.05

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y002H.R32

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

Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 010Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.68

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 010Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.43

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 010Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.25

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.83

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 010Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 11.25

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 010Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y240H.R32

```
      Override Defaults: Yes
    Storm Duration(hrs): 240.00
          Rainfall File: FDOT-240
    Rainfall Amount(in): 12.50

Time(hrs)       Print Inc(min)
--------------- ---------------
245.000         5.00

-------------------------------------------------------------------------------------------------------
         Name: 025Y001H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y001H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 3.45

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

-------------------------------------------------------------------------------------------------------
         Name: 025Y002H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y002H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 4.30

Time(hrs)       Print Inc(min)
--------------- ---------------
4.000           2.50

-------------------------------------------------------------------------------------------------------
         Name: 025Y004H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y004H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 5.45

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           2.50

-------------------------------------------------------------------------------------------------------
         Name: 025Y008H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y008H.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          2.50

-------------------------------------------------------------------------------------------------------
         Name: 025Y024H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y024H.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00
```

```
------------------------------------------------------------------------------------------------------------
         Name: 025Y072H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y072H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: FDOT-72
    Rainfall Amount(in): 10.58

Time(hrs)        Print Inc(min)
---------------- ---------------
77.000           5.00

------------------------------------------------------------------------------------------------------------
         Name: 025Y168H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y168H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 168.00
          Rainfall File: FDOT-168
    Rainfall Amount(in): 13.30

Time(hrs)        Print Inc(min)
---------------- ---------------
173.000          5.00

------------------------------------------------------------------------------------------------------------
         Name: 025Y240H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y240H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 240.00
          Rainfall File: FDOT-240
    Rainfall Amount(in): 14.60

Time(hrs)        Print Inc(min)
---------------- ---------------
245.000          5.00

------------------------------------------------------------------------------------------------------------
         Name: 050Y001H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y001H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 3.82

Time(hrs)        Print Inc(min)
---------------- ---------------
2.000            2.50

------------------------------------------------------------------------------------------------------------
         Name: 050Y002H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y002H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 4.75

Time(hrs)        Print Inc(min)
---------------- ---------------
4.000            2.50

------------------------------------------------------------------------------------------------------------
         Name: 050Y004H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y004H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 5.98
```

Time(hrs) Print Inc(min)
--- ---
6.000 2.50

Name: 050Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.13

Time(hrs) Print Inc(min)
--- ---
12.000 2.50

Name: 050Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.30

Time(hrs) Print Inc(min)
--- ---
30.000 5.00

Name: 050Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 11.95

Time(hrs) Print Inc(min)
--- ---
77.000 5.00

Name: 050Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 14.70

Time(hrs) Print Inc(min)
--- ---
173.000 5.00

Name: 050Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 16.50

Time(hrs) Print Inc(min)
--- ---
245.000 5.00

Name: 100Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.18

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 100Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.53

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 100Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.87

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 100Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.75

Time(hrs)	Print Inc(min)
77.000	5.00

```
------------------------------------------------------------------------------------------------------------
         Name: 100Y168H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y168H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 168.00
          Rainfall File: FDOT-168
    Rainfall Amount(in): 16.80

Time(hrs)        Print Inc(min)
---------------- ---------------
173.000          5.00

------------------------------------------------------------------------------------------------------------
         Name: 100Y240H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y240H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 240.00
          Rainfall File: FDOT-240
    Rainfall Amount(in): 18.50

Time(hrs)        Print Inc(min)
---------------- ---------------
245.000          5.00

------------------------------------------------------------------------------------------------------------
         Name: 3Yr24Hr
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\3Yr24Hr.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 5.40

Time(hrs)        Print Inc(min)
---------------- ---------------
120.000          15.00

------------------------------------------------------------------------------------------------------------
         Name: SJR25Y24H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJR25Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.60

Time(hrs)        Print Inc(min)
---------------- ---------------
120.000          15.00

------------------------------------------------------------------------------------------------------------
         Name: SJRMean
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJRMean.R32

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

Time(hrs)        Print Inc(min)
---------------- ---------------
30.000           15.00

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

         Name: 002Y001H            Hydrology Sim: 002Y001H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y001H.I32

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

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

002 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y002H Hydrology Sim: 002Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y002H.I32

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

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

002 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y004H Hydrology Sim: 002Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y004H.I32

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

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

002 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y008H Hydrology Sim: 002Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y008H.I32

Execute: Yes Restart: No Patch: No

Alternative: No

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

002 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y024H — Hydrology Sim: 002Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y024H.I32

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

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

002 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y072H — Hydrology Sim: 002Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y072H.I32

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

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

002 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y168H — Hydrology Sim: 002Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y168H.I32

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                           Boundary Flows:

002 yr / 168 hr

Time(hrs)        Print Inc(min)
---------------- ---------------
999.000          5.000

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


--------------------------------------------------------------------------------------------------------
         Name: 002Y240H            Hydrology Sim: 002Y240H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y240H.I32

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                           Boundary Flows:

002 yr / 240 hr

Time(hrs)        Print Inc(min)
---------------- ---------------
999.000          5.000

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


--------------------------------------------------------------------------------------------------------
         Name: 005Y001H            Hydrology Sim: 005Y001H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y001H.I32

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

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

005 yr / 001 hr

Time(hrs)        Print Inc(min)
---------------- ---------------
999.000          5.000

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


--------------------------------------------------------------------------------------------------------
         Name: 005Y002H            Hydrology Sim: 005Y002H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y002H.I32
```

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

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

005 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y004H Hydrology Sim: 005Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y004H.I32

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

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

005 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y008H Hydrology Sim: 005Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y008H.I32

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

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

005 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y024H Hydrology Sim: 005Y024H

Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y024H.I32

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

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

005 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y072H Hydrology Sim: 005Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y072H.I32

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

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

005 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y168H Hydrology Sim: 005Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

```
        Name: 005Y240H            Hydrology Sim: 005Y240H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y240H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 245.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows:

005 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


--------------------------------------------------------------------------------------------------------
        Name: 010Y001H            Hydrology Sim: 010Y001H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y001H.I32

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

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

010 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


--------------------------------------------------------------------------------------------------------
        Name: 010Y002H            Hydrology Sim: 010Y002H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y002H.I32

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

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

010 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes
Existing        Yes
```

Name: 010Y004H Hydrology Sim: 010Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y004H.I32

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

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

010 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y008H Hydrology Sim: 010Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y008H.I32

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

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

010 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y024H Hydrology Sim: 010Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y024H.I32

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

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

010 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

```
------------------------------------------------------------------------------------------------------
         Name: 010Y072H            Hydrology Sim: 010Y072H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y072H.I32

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

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

010 yr / 072 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------
         Name: 010Y168H            Hydrology Sim: 010Y168H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y168H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:

010 yr / 168 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------
         Name: 010Y240H            Hydrology Sim: 010Y240H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y240H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:

010 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes
Existing        Yes
```

```
-------------------------------------------------------------------------------------------------
        Name: 025Y001H            Hydrology Sim: 025Y001H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y001H.I32

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

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

025 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
        Name: 025Y002H            Hydrology Sim: 025Y002H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y002H.I32

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

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

025 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
        Name: 025Y004H            Hydrology Sim: 025Y004H
    Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y004H.I32

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

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

025 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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

Existing Yes

Name: 025Y008H Hydrology Sim: 025Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y008H.I32

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

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

025 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y024H Hydrology Sim: 025Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y024H.I32

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

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

025 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y072H Hydrology Sim: 025Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y072H.I32

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

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

025 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run

BASE	Yes
Existing	Yes

Name: 025Y168H Hydrology Sim: 025Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y240H Hydrology Sim: 025Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y001H Hydrology Sim: 050Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y001H.I32

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

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

050 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run

BASE	Yes
Existing	Yes

Name: 050Y002H Hydrology Sim: 050Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y002H.I32

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

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

050 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y004H Hydrology Sim: 050Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y004H.I32

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

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

050 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y008H Hydrology Sim: 050Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y008H.I32

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

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

050 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y024H Hydrology Sim: 050Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y024H.I32

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

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

050 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y072H Hydrology Sim: 050Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y072H.I32

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

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

050 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y168H Hydrology Sim: 050Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y240H Hydrology Sim: 050Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y001H Hydrology Sim: 100Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y001H.I32

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

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

100 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y002H Hydrology Sim: 100Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y002H.I32

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

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

100 yr / 002 hr

Time(hrs)	Print Inc(min)

999.000 5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y004H Hydrology Sim: 100Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y004H.I32

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

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

100 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y008H Hydrology Sim: 100Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y008H.I32

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

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

100 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y024H Hydrology Sim: 100Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y024H.I32

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

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

100 yr / 024 hr

Time(hrs) Print Inc(min)

999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y072H Hydrology Sim: 100Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y072H.I32

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

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

100 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y168H Hydrology Sim: 100Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y240H Hydrology Sim: 100Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 3Yr24Hr Hydrology Sim: 3Yr24Hr
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\3Yr24Hr.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: SJR25Y24H Hydrology Sim: SJR25Y24H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJR25Y24H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: SJRMean Hydrology Sim: SJRMean
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJRMean.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExCout-1	002Y001H	41.195	44.000	0.0042	4682	42.000	45.297
ExCout-1	002Y002H	41.055	44.000	0.0042	4676	42.000	43.788
ExCout-1	002Y004H	40.995	44.000	0.0042	4674	42.000	44.086
ExCout-1	002Y008H	41.030	44.000	0.0042	4675	42.000	44.086
ExCout-1	002Y024H	39.773	44.000	0.0042	4620	42.000	44.086
ExCout-1	002Y072H	39.543	44.000	0.0042	4610	42.000	44.086
ExCout-1	002Y168H	39.294	44.000	0.0042	4599	42.000	44.086
ExCout-1	002Y240H	39.573	44.000	0.0042	4611	42.000	44.086
ExCout-1	005Y001H	42.104	44.000	0.0042	4722	42.000	46.710
ExCout-1	005Y002H	42.136	44.000	0.0044	4723	42.000	44.778
ExCout-1	005Y004H	41.768	44.000	0.0042	4707	42.000	44.709
ExCout-1	005Y008H	41.839	44.000	0.0042	4710	42.000	44.309
ExCout-1	005Y024H	40.050	44.000	0.0042	4632	42.000	44.086
ExCout-1	005Y072H	39.745	44.000	0.0042	4619	42.000	44.086
ExCout-1	005Y168H	39.562	44.000	0.0042	4611	42.000	44.086
ExCout-1	005Y240H	39.732	44.000	0.0042	4618	42.000	44.086
ExCout-1	010Y001H	42.674	44.000	0.0042	4747	42.000	47.587
ExCout-1	010Y002H	42.488	44.000	0.0042	4739	42.000	45.128
ExCout-1	010Y004H	42.265	44.000	0.0042	4729	42.000	45.207
ExCout-1	010Y008H	42.394	44.000	0.0043	4735	42.000	44.805
ExCout-1	010Y024H	40.239	44.000	0.0042	4641	42.000	44.086
ExCout-1	010Y072H	39.851	44.000	0.0042	4624	42.000	44.086
ExCout-1	010Y168H	39.677	44.000	0.0042	4616	42.000	44.086
ExCout-1	010Y240H	39.847	44.000	0.0042	4623	42.000	44.086
ExCout-1	025Y001H	43.458	44.000	0.0042	4781	42.000	48.783
ExCout-1	025Y002H	43.282	44.000	-0.0047	4773	42.000	45.916
ExCout-1	025Y004H	42.980	44.000	0.0042	4760	42.000	45.922
ExCout-1	025Y008H	43.174	44.000	0.0042	4769	42.000	45.485
ExCout-1	025Y024H	40.484	44.000	0.0042	4651	42.000	44.086
ExCout-1	025Y072H	40.006	44.000	0.0042	4630	42.000	44.086
ExCout-1	025Y168H	39.783	44.000	0.0042	4621	42.000	44.086
ExCout-1	025Y240H	39.976	44.000	0.0042	4629	42.000	44.086
ExCout-1	050Y001H	44.204	44.000	0.0042	4814	42.000	49.915
ExCout-1	050Y002H	43.950	44.000	-0.0044	4803	42.000	46.575
ExCout-1	050Y004H	43.485	44.000	-0.0043	4782	42.000	46.426
ExCout-1	050Y008H	43.773	44.000	0.0045	4795	42.000	45.996
ExCout-1	050Y024H	40.613	44.000	0.0042	4657	42.000	44.086
ExCout-1	050Y072H	40.129	44.000	0.0042	4636	42.000	44.086
ExCout-1	050Y168H	39.855	44.000	0.0042	4624	42.000	44.086
ExCout-1	050Y240H	40.094	44.000	0.0042	4634	42.000	44.086
ExCout-1	100Y001H	44.948	44.000	0.0042	4846	42.000	51.037
ExCout-1	100Y002H	44.786	44.000	0.0042	4839	42.000	47.398
ExCout-1	100Y004H	44.020	44.000	-0.0043	4806	42.000	46.961
ExCout-1	100Y008H	44.390	44.000	-0.0043	4822	42.000	46.515
ExCout-1	100Y024H	40.854	44.000	0.0042	4667	42.000	44.086
ExCout-1	100Y072H	40.293	44.000	0.0042	4643	42.000	44.086
ExCout-1	100Y168H	39.965	44.000	0.0042	4629	42.000	44.086
ExCout-1	100Y240H	40.219	44.000	0.0042	4640	42.000	44.086
ExCout-1	3Yr24Hr	42.448	44.000	0.0048	4737	42.000	45.961
ExCout-1	SJR25Y24H	45.222	44.000	0.0048	4858	42.000	49.227
ExCout-1	SJRMean	41.667	44.000	0.0048	4703	42.000	45.023
ExCout-2	002Y001H	39.880	44.000	-0.0148	132	49.300	49.342
ExCout-2	002Y002H	39.681	44.000	-0.0139	132	48.862	48.878
ExCout-2	002Y004H	39.597	44.000	-0.0148	132	48.646	48.652
ExCout-2	002Y008H	39.653	44.000	-0.0148	132	48.764	48.771
ExCout-2	002Y024H	38.356	44.000	-0.0148	132	44.423	46.465
ExCout-2	002Y072H	38.124	44.000	-0.0148	132	44.086	46.465
ExCout-2	002Y168H	37.872	44.000	-0.0148	132	44.086	46.465
ExCout-2	002Y240H	38.152	44.000	-0.0148	132	44.086	46.465
ExCout-2	005Y001H	40.822	44.000	-0.0148	132	52.140	52.203
ExCout-2	005Y002H	40.788	44.000	-0.0148	132	52.269	52.298
ExCout-2	005Y004H	40.373	44.000	-0.0148	132	51.129	51.131
ExCout-2	005Y008H	40.472	44.000	-0.0148	132	51.348	51.351
ExCout-2	005Y024H	38.633	44.000	-0.0148	132	45.420	46.465
ExCout-2	005Y072H	38.324	44.000	-0.0148	132	44.323	46.465
ExCout-2	005Y168H	38.141	44.000	-0.0148	132	44.086	46.465
ExCout-2	005Y240H	38.311	44.000	-0.0148	132	44.278	46.465
ExCout-2	010Y001H	41.410	44.000	-0.0148	132	53.831	53.908
ExCout-2	010Y002H	41.146	44.000	-0.0148	132	53.325	53.359
ExCout-2	010Y004H	40.873	44.000	-0.0148	132	52.656	52.660

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExCout-2	010Y008H	41.035	44.000	-0.0148	132	53.038	53.044
ExCout-2	010Y024H	38.823	44.000	-0.0148	132	46.088	46.465
ExCout-2	010Y072H	38.430	44.000	-0.0148	132	44.710	46.465
ExCout-2	010Y168H	38.256	44.000	-0.0148	132	44.086	46.465
ExCout-2	010Y240H	38.426	44.000	-0.0148	132	44.699	46.465
ExCout-2	025Y001H	42.218	44.000	-0.0148	132	56.066	56.161
ExCout-2	025Y002H	41.956	44.000	-0.0148	132	55.626	55.672
ExCout-2	025Y004H	41.592	44.000	-0.0148	132	54.766	54.773
ExCout-2	025Y008H	41.828	44.000	-0.0148	132	55.316	55.326
ExCout-2	025Y024H	39.069	44.000	-0.0148	132	46.940	46.943
ExCout-2	025Y072H	38.585	44.000	-0.0148	132	45.271	46.465
ExCout-2	025Y168H	38.361	44.000	-0.0148	132	44.464	46.465
ExCout-2	025Y240H	38.555	44.000	-0.0148	132	45.164	46.465
ExCout-2	050Y001H	42.985	44.000	-0.0148	132	58.108	58.217
ExCout-2	050Y002H	42.636	44.000	-0.0148	132	57.477	57.531
ExCout-2	050Y004H	42.100	44.000	-0.0148	132	56.204	56.211
ExCout-2	050Y008H	42.436	44.000	-0.0148	132	56.997	57.006
ExCout-2	050Y024H	39.199	44.000	-0.0148	132	47.379	47.383
ExCout-2	050Y072H	38.708	44.000	-0.0148	132	45.709	46.465
ExCout-2	050Y168H	38.434	44.000	-0.0148	132	44.728	46.465
ExCout-2	050Y240H	38.672	44.000	-0.0148	132	45.584	46.465
ExCout-2	100Y001H	43.749	44.000	-0.0148	132	60.066	60.184
ExCout-2	100Y002H	43.487	44.000	-0.0148	132	59.758	59.967
ExCout-2	100Y004H	42.637	44.000	-0.0148	132	57.681	57.690
ExCout-2	100Y008H	43.063	44.000	-0.0148	132	58.673	58.684
ExCout-2	100Y024H	39.441	44.000	-0.0148	132	48.193	48.195
ExCout-2	100Y072H	38.871	44.000	-0.0148	132	46.283	46.465
ExCout-2	100Y168H	38.543	44.000	-0.0148	132	45.123	46.465
ExCout-2	100Y240H	38.797	44.000	-0.0148	132	46.025	46.465
ExCout-2	3Yr24Hr	41.094	44.000	-0.0287	132	53.193	53.216
ExCout-2	SJR25Y24H	43.913	44.000	-0.0287	132	60.846	60.920
ExCout-2	SJRMean	40.300	44.000	-0.0287	132	50.807	50.825
ExCout-3	002Y001H	40.773	43.000	-0.0200	170	3.298	3.292
ExCout-3	002Y002H	40.695	43.000	-0.0200	169	2.788	2.774
ExCout-3	002Y004H	40.500	43.000	-0.0200	164	1.645	1.643
ExCout-3	002Y008H	40.507	43.000	-0.0200	165	1.680	1.678
ExCout-3	002Y024H	40.228	43.000	-0.0200	154	0.515	0.515
ExCout-3	002Y072H	40.165	43.000	-0.0200	150	0.339	0.339
ExCout-3	002Y168H	40.130	43.000	-0.0200	148	0.257	0.257
ExCout-3	002Y240H	40.164	43.000	-0.0200	150	0.338	0.338
ExCout-3	005Y001H	40.918	43.000	-0.0200	171	4.337	4.334
ExCout-3	005Y002H	40.860	43.000	-0.0200	170	3.924	3.909
ExCout-3	005Y004H	40.605	43.000	-0.0200	167	2.222	2.220
ExCout-3	005Y008H	40.607	43.000	-0.0200	167	2.233	2.231
ExCout-3	005Y024H	40.286	43.000	-0.0200	157	0.706	0.706
ExCout-3	005Y072H	40.207	43.000	-0.0200	153	0.451	0.452
ExCout-3	005Y168H	40.163	43.000	-0.0200	150	0.333	0.333
ExCout-3	005Y240H	40.203	43.000	-0.0200	152	0.440	0.440
ExCout-3	010Y001H	41.000	43.000	-0.0200	171	4.966	4.965
ExCout-3	010Y002H	40.909	43.000	-0.0200	171	4.281	4.265
ExCout-3	010Y004H	40.664	43.000	-0.0200	168	2.582	2.579
ExCout-3	010Y008H	40.668	43.000	-0.0200	168	2.606	2.605
ExCout-3	010Y024H	40.322	43.000	-0.0200	158	0.839	0.839
ExCout-3	010Y072H	40.232	43.000	-0.0200	154	0.525	0.525
ExCout-3	010Y168H	40.188	43.000	-0.0200	152	0.400	0.400
ExCout-3	010Y240H	40.230	43.000	-0.0200	154	0.520	0.521
ExCout-3	025Y001H	41.107	43.000	-0.0200	171	5.820	5.816
ExCout-3	025Y002H	41.011	43.000	-0.0200	171	5.065	5.049
ExCout-3	025Y004H	40.742	43.000	-0.0200	169	3.083	3.082
ExCout-3	025Y008H	40.747	43.000	-0.0200	169	3.121	3.120
ExCout-3	025Y024H	40.365	43.000	-0.0200	160	1.009	1.009
ExCout-3	025Y072H	40.265	43.000	-0.0200	156	0.632	0.632
ExCout-3	025Y168H	40.215	43.000	-0.0200	153	0.474	0.474
ExCout-3	025Y240H	40.258	43.000	-0.0200	155	0.609	0.609
ExCout-3	050Y001H	41.203	43.000	-0.0200	170	6.623	6.614
ExCout-3	050Y002H	41.091	43.000	-0.0200	171	5.707	5.690
ExCout-3	050Y004H	40.792	43.000	-0.0200	170	3.427	3.426
ExCout-3	050Y008H	40.820	43.000	-0.0200	169	3.506	3.492
ExCout-3	050Y024H	40.386	43.000	-0.0200	161	1.096	1.096
ExCout-3	050Y072H	40.289	43.000	-0.0200	157	0.716	0.716

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExCout-3	050Y168H	40.232	43.000	-0.0200	154	0.525	0.525
ExCout-3	050Y240H	40.282	43.000	-0.0200	156	0.690	0.690
ExCout-3	100Y001H	41.396	43.000	-0.0200	153	7.406	8.219
ExCout-3	100Y002H	41.298	43.000	-0.0200	168	6.491	7.422
ExCout-3	100Y004H	40.843	43.000	-0.0200	170	3.783	3.782
ExCout-3	100Y008H	41.038	43.000	-0.0200	158	3.895	3.858
ExCout-3	100Y024H	40.422	43.000	-0.0200	162	1.258	1.258
ExCout-3	100Y072H	40.319	43.000	-0.0200	158	0.825	0.826
ExCout-3	100Y168H	40.255	43.000	-0.0200	155	0.600	0.601
ExCout-3	100Y240H	40.305	43.000	-0.0200	158	0.774	0.774
ExCout-3	3Yr24Hr	40.847	43.000	-0.0200	170	3.837	3.809
ExCout-3	SJR25Y24H	41.487	43.000	-0.0200	151	6.441	7.941
ExCout-3	SJRMean	40.740	43.000	-0.0200	169	3.097	3.072
ExCout-4	002Y001H	38.274	44.000	0.0050	238	51.312	51.300
ExCout-4	002Y002H	38.100	44.000	0.0047	236	50.453	50.447
ExCout-4	002Y004H	38.024	44.000	0.0050	235	50.073	50.070
ExCout-4	002Y008H	38.073	44.000	0.0050	236	50.330	50.316
ExCout-4	002Y024H	37.044	44.000	0.0050	226	46.465	44.922
ExCout-4	002Y072H	36.885	44.000	0.0050	223	46.465	44.029
ExCout-4	002Y168H	36.806	44.000	0.0050	221	46.465	43.583
ExCout-4	002Y240H	36.893	44.000	0.0050	223	46.465	44.077
ExCout-4	005Y001H	39.024	44.000	0.0050	241	54.845	54.830
ExCout-4	005Y002H	38.978	44.000	0.0047	240	54.628	54.620
ExCout-4	005Y004H	38.636	44.000	0.0050	237	53.044	53.035
ExCout-4	005Y008H	38.722	44.000	0.0050	238	53.460	53.437
ExCout-4	005Y024H	37.262	44.000	0.0050	229	46.465	46.116
ExCout-4	005Y072H	37.017	44.000	0.0050	225	46.465	44.775
ExCout-4	005Y168H	36.890	44.000	0.0050	223	46.465	44.059
ExCout-4	005Y240H	37.007	44.000	0.0050	225	46.465	44.717
ExCout-4	010Y001H	39.494	44.000	0.0049	242	56.947	56.928
ExCout-4	010Y002H	39.264	44.000	0.0049	240	55.919	55.909
ExCout-4	010Y004H	39.031	44.000	0.0050	239	54.870	54.860
ExCout-4	010Y008H	39.169	44.000	0.0050	240	55.512	55.485
ExCout-4	010Y024H	37.411	44.000	0.0050	230	46.920	46.917
ExCout-4	010Y072H	37.100	44.000	0.0050	227	46.465	45.235
ExCout-4	010Y168H	36.964	44.000	0.0050	224	46.465	44.477
ExCout-4	010Y240H	37.098	44.000	0.0050	226	46.465	45.219
ExCout-4	025Y001H	40.141	44.000	0.0047	243	59.726	59.697
ExCout-4	025Y002H	39.908	44.000	0.0046	242	58.728	58.716
ExCout-4	025Y004H	39.599	44.000	0.0050	240	57.395	57.385
ExCout-4	025Y008H	39.799	44.000	0.0050	241	58.280	58.248
ExCout-4	025Y024H	37.605	44.000	0.0050	232	47.941	47.937
ExCout-4	025Y072H	37.222	44.000	0.0050	228	46.465	45.903
ExCout-4	025Y168H	37.047	44.000	0.0050	226	46.465	44.938
ExCout-4	025Y240H	37.198	44.000	0.0050	228	46.465	45.773
ExCout-4	050Y001H	40.754	44.000	0.0048	208	62.230	62.207
ExCout-4	050Y002H	40.450	44.000	0.0049	229	60.984	60.973
ExCout-4	050Y004H	40.000	44.000	0.0050	241	59.115	59.105
ExCout-4	050Y008H	40.282	44.000	0.0050	239	60.320	60.283
ExCout-4	050Y024H	37.706	44.000	0.0050	232	48.466	48.463
ExCout-4	050Y072H	37.319	44.000	0.0050	229	46.465	46.425
ExCout-4	050Y168H	37.103	44.000	0.0050	227	46.465	45.252
ExCout-4	050Y240H	37.291	44.000	0.0050	229	46.465	46.273
ExCout-4	100Y001H	41.363	44.000	0.0048	206	65.374	64.601
ExCout-4	100Y002H	41.126	44.000	0.0047	208	65.663	63.680
ExCout-4	100Y004H	40.425	44.000	0.0050	231	60.881	60.872
ExCout-4	100Y008H	40.781	44.000	0.0050	208	62.347	62.312
ExCout-4	100Y024H	37.897	44.000	0.0050	234	49.440	49.435
ExCout-4	100Y072H	37.447	44.000	0.0050	230	47.109	47.108
ExCout-4	100Y168H	37.189	44.000	0.0050	228	46.465	45.723
ExCout-4	100Y240H	37.389	44.000	0.0050	230	46.799	46.799
ExCout-4	3Yr24Hr	39.217	44.000	0.0049	240	55.708	55.702
ExCout-4	SJR25Y24H	41.459	44.000	-0.0071	205	65.546	64.973
ExCout-4	SJRMean	38.588	44.000	0.0049	238	52.814	52.805
ExTw-out	002Y001H	33.000	34.000	0.0000	72	51.300	0.000
ExTw-out	002Y002H	33.000	34.000	0.0000	72	50.447	0.000
ExTw-out	002Y004H	33.000	34.000	0.0000	72	50.070	0.000
ExTw-out	002Y008H	33.000	34.000	0.0000	72	50.316	0.000
ExTw-out	002Y024H	33.000	34.000	0.0000	72	44.922	0.000

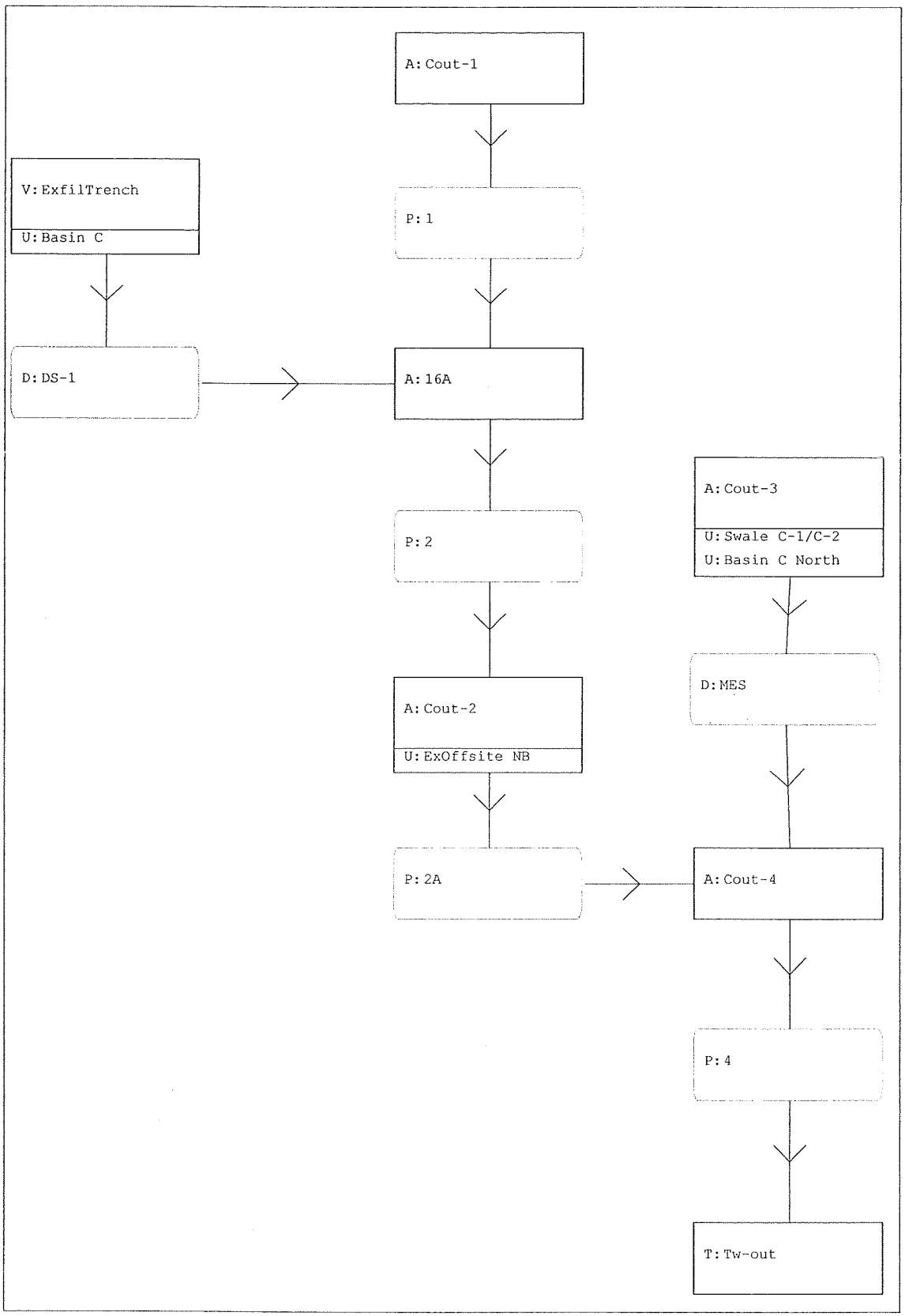
Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExTw-out	002Y072H	33.000	34.000	0.0000	72	44.029	0.000
ExTw-out	002Y168H	33.000	34.000	0.0000	72	43.583	0.000
ExTw-out	002Y240H	33.000	34.000	0.0000	72	44.077	0.000
ExTw-out	005Y001H	33.000	34.000	0.0000	72	54.830	0.000
ExTw-out	005Y002H	33.000	34.000	0.0000	72	54.620	0.000
ExTw-out	005Y004H	33.000	34.000	0.0000	72	53.035	0.000
ExTw-out	005Y008H	33.000	34.000	0.0000	72	53.437	0.000
ExTw-out	005Y024H	33.000	34.000	0.0000	72	46.116	0.000
ExTw-out	005Y072H	33.000	34.000	0.0000	72	44.775	0.000
ExTw-out	005Y168H	33.000	34.000	0.0000	72	44.059	0.000
ExTw-out	005Y240H	33.000	34.000	0.0000	72	44.717	0.000
ExTw-out	010Y001H	33.000	34.000	0.0000	72	56.928	0.000
ExTw-out	010Y002H	33.000	34.000	0.0000	72	55.909	0.000
ExTw-out	010Y004H	33.000	34.000	0.0000	72	54.860	0.000
ExTw-out	010Y008H	33.000	34.000	0.0000	72	55.485	0.000
ExTw-out	010Y024H	33.000	34.000	0.0000	72	46.917	0.000
ExTw-out	010Y072H	33.000	34.000	0.0000	72	45.235	0.000
ExTw-out	010Y168H	33.000	34.000	0.0000	72	44.477	0.000
ExTw-out	010Y240H	33.000	34.000	0.0000	72	45.219	0.000
ExTw-out	025Y001H	33.000	34.000	0.0000	72	59.697	0.000
ExTw-out	025Y002H	33.000	34.000	0.0000	72	58.716	0.000
ExTw-out	025Y004H	33.000	34.000	0.0000	72	57.385	0.000
ExTw-out	025Y008H	33.000	34.000	0.0000	72	58.248	0.000
ExTw-out	025Y024H	33.000	34.000	0.0000	72	47.937	0.000
ExTw-out	025Y072H	33.000	34.000	0.0000	72	45.903	0.000
ExTw-out	025Y168H	33.000	34.000	0.0000	72	44.938	0.000
ExTw-out	025Y240H	33.000	34.000	0.0000	72	45.773	0.000
ExTw-out	050Y001H	33.000	34.000	0.0000	72	62.207	0.000
ExTw-out	050Y002H	33.000	34.000	0.0000	72	60.973	0.000
ExTw-out	050Y004H	33.000	34.000	0.0000	72	59.105	0.000
ExTw-out	050Y008H	33.000	34.000	0.0000	72	60.283	0.000
ExTw-out	050Y024H	33.000	34.000	0.0000	72	48.463	0.000
ExTw-out	050Y072H	33.000	34.000	0.0000	72	46.425	0.000
ExTw-out	050Y168H	33.000	34.000	0.0000	72	45.252	0.000
ExTw-out	050Y240H	33.000	34.000	0.0000	72	46.273	0.000
ExTw-out	100Y001H	33.000	34.000	0.0000	72	64.601	0.000
ExTw-out	100Y002H	33.000	34.000	0.0000	72	63.680	0.000
ExTw-out	100Y004H	33.000	34.000	0.0000	72	60.872	0.000
ExTw-out	100Y008H	33.000	34.000	0.0000	72	62.312	0.000
ExTw-out	100Y024H	33.000	34.000	0.0000	72	49.435	0.000
ExTw-out	100Y072H	33.000	34.000	0.0000	72	47.108	0.000
ExTw-out	100Y168H	33.000	34.000	0.0000	72	45.723	0.000
ExTw-out	100Y240H	33.000	34.000	0.0000	72	46.799	0.000
ExTw-out	3Yr24Hr	33.000	34.000	0.0000	72	55.702	0.000
ExTw-out	SJR25Y24H	33.000	34.000	0.0000	72	64.973	0.000
ExTw-out	SJRMean	33.000	34.000	0.0000	72	52.805	0.000

Basin C Proposed Conditions
March 03, 2009

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

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

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



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==== Basins ====
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Name: Basin C | Node: ExfilTrench | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.20
Area(ac):	2.570	Time Shift(hrs):	0.00
Curve Number:	94.00	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Proposed Roadway - Basin C. This area includes 2.57 ac of Basin C and 0.69 ac from Basin C North. Basin C North was include to demonstrate that the French Drain is sized to include addition volume.

Name: Basin C North | Node: Cout-3 | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.00
Area(ac):	0.690	Time Shift(hrs):	0.00
Curve Number:	94.00	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Name: Ex Offsite | Node: ExCout-2 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.20
Area(ac):	1.550	Time Shift(hrs):	0.00
Curve Number:	82.70	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Existing onsite and offsite area south of Bargain Bldv. that outfalls into roadside ditch located on the east side of the SR 15/600 adjacent to Flea World and flows north into the existing SS system at Bargain Blvd.

Name: Ex Rdwy | Node: Ex Sem Pond | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.00
Area(ac):	1.030	Time Shift(hrs):	0.00
Curve Number:	94.60	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Existing SR 15/600 rdwy discharging into the existing Seminole County Dry Pond.

Name: Ex Rdwy 1 | Node: Sem Pond | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.00
Area(ac):	1.190	Time Shift(hrs):	0.00
Curve Number:	95.30	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Proposed SR 15/600 discharging into the existing Seminole Dry County Pond.

Name: Ex Swale NB | Node: ExCout-3 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.00
Area(ac):	1.210	Time Shift(hrs):	0.00
Curve Number:	90.60	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Existing Roadway north of Bargain that outfalls into swales located on the east side of SR 15/600 and discharge south into the existing SS system at Bargain BLvd. -Swale C-1/C-2

Name: ExBasin 'C' | Node: ExCout-2 | Status: Onsite
Group: Existing | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	12.80
Area(ac):	4.760	Time Shift(hrs):	0.00
Curve Number:	90.90	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Existing Roadway outfalling into existing SS system at Bargain Blvd. - Basin 'C'

Name: ExOffsite NB | Node: Cout-2 | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.20
Area(ac):	1.070	Time Shift(hrs):	0.00
Curve Number:	85.60	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Offsite (NB) area that flows to the roadside ditches located on the east side of SR 5/600
adjacent to Flea World and and flow north into the existing SS system at Bargain Blvd.

Name: Swale C-1/C-2 | Node: Cout-3 | Status: Onsite
Group: BASE | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Flmod	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	10.00
Area(ac):	1.220	Time Shift(hrs):	0.00
Curve Number:	91.70	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Proposed Roadway and swale that collects runoff and conveyes south into existing
SS system -Swale C-1/C-2

Nodes

Name: 16A | Base Flow(cfs): 0.000 | Init Stage(ft): 33.900
Group: BASE | Warn Stage(ft): 45.000
Type: Stage/Area

Proposed Manhole Structure S-311 that connects to existing 36" pipe

Stage(ft)	Area(ac)

Name: Cout-1 | Base Flow(cfs): 42.000 | Init Stage(ft): 34.030
Group: BASE | Warn Stage(ft): 44.000
Type: Stage/Area

Existing Headwall Node at Sta. 792+70.60 Lt.

Stage(ft)	Area(ac)
34.030	0.1000
44.000	0.1100

Name: Cout-2 | Base Flow(cfs): 0.000 | Init Stage(ft): 33.900
Group: BASE | Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH at Sta. 796+40.00 Rt. Structure S-312

Stage(ft)	Area(ac)

Name: Cout-3 | Base Flow(cfs): 0.000 | Init Stage(ft): 39.900
Group: BASE | Warn Stage(ft): 43.000
Type: Stage/Area

Swales C1& C2

Stage(ft)	Area(ac)
39.900	0.0000
40.500	0.0010

41.000	0.0510
42.000	0.1910
43.000	0.3810

Name: Cout-4 Base Flow(cfs): 0.000 Init Stage(ft): 33.600
Group: BASE Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH (S-313) Node at Sta. 797+02.82 Rt.

Stage(ft)	Area(ac)

Name: ExCout-1 Base Flow(cfs): 42.000 Init Stage(ft): 34.030
Group: Existing Warn Stage(ft): 44.000
Type: Stage/Area

Existing Headwall Node at Sta. 792+70.60 Lt.

Stage(ft)	Area(ac)
34.030	0.1000
44.000	0.1100

Name: ExCout-2 Base Flow(cfs): 0.000 Init Stage(ft): 33.900
Group: Existing Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH at Sta. 796+40.00 Rt.

Stage(ft)	Area(ac)

Name: ExCout-3 Base Flow(cfs): 0.000 Init Stage(ft): 39.900
Group: Existing Warn Stage(ft): 43.000
Type: Stage/Area

Existing MES Node at Sta. 797+03.10 Rt.

Stage(ft)	Area(ac)

Name: ExCout-4 Base Flow(cfs): 0.000 Init Stage(ft): 33.600
Group: Existing Warn Stage(ft): 44.000
Type: Stage/Area

Existing MH Node at Sta. 797+02.82 Rt.

Stage(ft)	Area(ac)

Name: ExfilTrench Base Flow(cfs): 0.000 Init Stage(ft): 40.600
Group: BASE Warn Stage(ft): 44.000
Type: Stage/Volume

Proposed Exfiltration Trench for Basin C with a 800'x12' trench x 3' high.

Stage(ft)	Volume(af)
40.600	0.0000
40.760	0.0171
40.920	0.0341
41.070	0.0512
41.230	0.0690
41.390	0.0878
41.550	0.1070
41.710	0.1266
41.860	0.1463
42.020	0.1662
42.180	0.1861
42.340	0.2059
42.490	0.2257
42.650	0.2452
42.810	0.2645
42.970	0.2832
43.130	0.3011
43.280	0.3181
43.440	0.3352
43.600	0.3522

Name: ExTw-out Base Flow(cfs): 0.000 Init Stage(ft): 33.000
Group: Existing Warn Stage(ft): 34.000
Type: Time/Stage

Estimated Tailwater at Crown of Pipe to Six-Mile Creek

Time(hrs)	Stage(ft)
0.00	33.000
12.00	33.000
24.00	33.000
240.00	33.000

Name: Tw-out Base Flow(cfs): 0.000 Init Stage(ft): 33.000
Group: BASE Warn Stage(ft): 34.000
Type: Time/Stage

Estimated Tailwater at Crown of Pipe to Six-Mile Creek

Time(hrs)	Stage(ft)
0.00	33.000
12.00	33.000
24.00	33.000
240.00	33.000

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

Name: Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

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==== Operating Tables ====
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Name: Group: BASE
Type: Bottom Clip
Function: Time vs. Depth of Clip

Time(hrs)	Clip Depth(in)

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==== Pipes ====
==========

Name: 1 From Node: Cout-1 Length(ft): 87.00
Group: BASE To Node: 16A Count: 1
Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dn
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	36.00	36.00
Rise(in):	36.00	36.00
Invert(ft):	34.030	33.980
Manning's N:	0.012000	0.012000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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

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

Existing 36" Pipe to Proposed Median MH

Name: 2 From Node: 16A Length(ft): 90.00
Group: BASE To Node: Cout-2 Count: 1
Friction Equation: Average Conveyance
Solution Algorithm: Automatic
Flow: Both
Entrance Loss Coef: 0.70
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	36.00	36.00
Rise(in):	36.00	36.00
Invert(ft):	33.980	33.900

Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

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

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

Proposed Median MH(S-311) to Existing MH (S-312).

Name:	2A	From Node: Cout-2	Length(ft): 71.00
Group:	BASE	To Node: Cout-4	Count: 1
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.70
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	33.900	33.600	Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

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

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

Existing MH (S-312) to Existing MH (sta. 797+00 rt.) on Bargain Blvd

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Name:	4	From Node: Cout-4	Length(ft): 965.00
Group:	BASE	To Node: Tw-out	Count: 1
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	33.600	30.000	Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

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

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

Existing 36" Outfall Pipe from Existing MH on bargain Blvd to Six Mile Creek

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Name:	Ex1	From Node: ExCout-1	Length(ft): 177.00
Group:	Existing	To Node: ExCout-2	Count: 1
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	34.030	33.900	Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

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

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

Existing 36" Pipe to Existing MH

Name:	Ex2A	From Node: ExCout-2	Length(ft): 71.00
Group:	Existing	To Node: ExCout-4	Count: 1
			Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.70
Invert(ft):	33.900	33.600	Exit Loss Coef:	0.00
Manning's N:	0.012000	0.012000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing MH to Existing MH on Bargain Blvd

Name:	Ex3	From Node:	ExCout-3
Group:	Existing	To Node:	ExCout-4

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Length(ft):	60.00
Span(in):	24.00	24.00	Count:	1
Rise(in):	24.00	24.00	Friction Equation:	Average Conveyance
Invert(ft):	39.920	38.600	Solution Algorithm:	Automatic
Manning's N:	0.012000	0.012000	Flow:	Both
Top Clip(in):	0.000	0.000	Entrance Loss Coef:	0.50
Bot Clip(in):	0.000	0.000	Exit Loss Coef:	0.00
			Bend Loss Coef:	0.00
			Outlet Ctrl Spec:	Use dc or tw
			Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing MES/Swale Dishcarge to Existing MH on Bargain Blvd

Name:	Ex4	From Node:	ExCout-4
Group:	Existing	To Node:	ExTw-out

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Length(ft):	965.00
Span(in):	36.00	36.00	Count:	1
Rise(in):	36.00	36.00	Friction Equation:	Average Conveyance
Invert(ft):	33.600	30.000	Solution Algorithm:	Automatic
Manning's N:	0.012000	0.012000	Flow:	Both
Top Clip(in):	0.000	0.000	Entrance Loss Coef:	0.50
Bot Clip(in):	0.000	0.000	Exit Loss Coef:	0.00
			Bend Loss Coef:	0.00
			Outlet Ctrl Spec:	Use dc or tw
			Inlet Ctrl Spec:	Use dn
			Stabilizer Option:	None

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

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

Existing Outfall Pipe to Existing MH on Bargain Blvd to Six Mile Creek

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==== Drop Structures ==========

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Name:	DS-1	From Node:	ExfilTrench
Group:	BASE	To Node:	16A

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Length(ft):	263.00
Span(in):	36.00	36.00	Count:	1
Rise(in):	36.00	36.00	Friction Equation:	Average Conveyance
Invert(ft):	34.100	33.900	Solution Algorithm:	Automatic
Manning's N:	0.012000	0.012000	Flow:	Both
Top Clip(in):	0.000	0.000	Entrance Loss Coef:	0.500
Bot Clip(in):	0.000	0.000	Exit Loss Coef:	1.000
			Outlet Ctrl Spec:	Use dc or tw
			Inlet Ctrl Spec:	Use dn
			Solution Incs:	10

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

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

Manhole 'J-8' Structure S-305 w/ 7' Weir @ 40.60

*** Weir 1 of 1 for Drop Structure DS-1 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	84.00	Invert(ft):	42.760
Rise(in):	10.00	Control Elev(ft):	42.760

Name:	MES	From Node:	Cout-3
Group:	BASE	To Node:	Cout-4

Length(ft): 75.00
Count: 1

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	40.500	33.600
Manning's N:	0.012000	0.012000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.500
Exit Loss Coef: 1.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Solution Incs: 10

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

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

MES Structure S-314 using the weir data for the proposed Ditch Block at sta. 798+00 rt. Changed Weir Coef. to mimic a broad crested weir.

*** Weir 1 of 1 for Drop Structure MES ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	2.680
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	18.00	Invert(ft):	41.220
Rise(in):	24.00	Control Elev(ft):	41.220

==========

==== Weirs ====

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Name:		From Node:	
Group:	BASE	To Node:	
Flow:	Both	Count:	1
Type:	Horizontal	Geometry:	Circular

Span(in):	0.00
Rise(in):	0.00
Invert(ft):	0.000
Control Elevation(ft):	0.000

TABLE

Bottom Clip(in):	0.000
Top Clip(in):	0.000
Weir Discharge Coef:	3.200
Orifice Discharge Coef:	0.600

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==== Hydrology Simulations ====

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Name: 002Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.25

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 002Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 2.70

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 002Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 3.25

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 002Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 3.70

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 002Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y024H.R32

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

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 002Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 5.80

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 002Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 7.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 002Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 8.20

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 005Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 005Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 005Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.13

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 005Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.73

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 005Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 005Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.63

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 005Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 005Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 010Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.05

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 010Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.68

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 010Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.43

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 010Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.25

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.83

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 010Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 11.25

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 010Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 12.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 025Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.45

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 025Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.45

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 025Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y008H.R32

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

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 025Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y024H.R32

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

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 025Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 10.58

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 025Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 13.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 025Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 14.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 050Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.82

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 050Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.98

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 050Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.13

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 050Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.30

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 050Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 11.95

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 050Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 14.70

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 050Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 16.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 100Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.18

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y002H.R32

Override Defaults: Yes

Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 100Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.53

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 100Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.87

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 100Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.75

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 100Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 16.80

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 100Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 18.50

Time(hrs)	Print Inc(min)
245.000	5.00

```
         Name: 3Yr24Hr
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\3Yr24Hr.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 5.40

Time(hrs)       Print Inc(min)
--------------- ---------------
120.000         15.00

------------------------------------------------------------------------------------------------------------------------
         Name: SJR25Y24H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJR25Y24H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.60

Time(hrs)       Print Inc(min)
--------------- ---------------
120.000         15.00

------------------------------------------------------------------------------------------------------------------------
         Name: SJRMean
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJRMean.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.00

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

         Name: 002Y001H            Hydrology Sim: 002Y001H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y001H.I32

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

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

002 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------------------------
         Name: 002Y002H            Hydrology Sim: 002Y002H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y002H.I32

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

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

002 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
```

BASE Yes
Existing Yes

Name: 002Y004H Hydrology Sim: 002Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y004H.I32

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

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

002 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y008H Hydrology Sim: 002Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y008H.I32

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

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

002 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y024H Hydrology Sim: 002Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y024H.I32

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

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

002 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y072H Hydrology Sim: 002Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500

Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y168H Hydrology Sim: 002Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 002Y240H Hydrology Sim: 002Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\002Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

002 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y001H Hydrology Sim: 005Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y001H.I32

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

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

005 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run

BASE	Yes
Existing	Yes

Name: 005Y002H Hydrology Sim: 005Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y002H.I32

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

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

005 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y004H Hydrology Sim: 005Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y004H.I32

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

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

005 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y008H Hydrology Sim: 005Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y008H.I32

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

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

005 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y024H Hydrology Sim: 005Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y024H.I32

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

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

005 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y072H Hydrology Sim: 005Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y072H.I32

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

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

005 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y168H Hydrology Sim: 005Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 005Y240H Hydrology Sim: 005Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\005Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

005 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y001H Hydrology Sim: 010Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y001H.I32

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

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

010 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y002H Hydrology Sim: 010Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y002H.I32

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

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

010 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y004H Hydrology Sim: 010Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y004H.I32

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

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

010 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y008H Hydrology Sim: 010Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y008H.I32

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

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

010 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y024H Hydrology Sim: 010Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y024H.I32

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

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

010 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y072H Hydrology Sim: 010Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y072H.I32

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

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

010 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y168H Hydrology Sim: 010Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 010Y240H Hydrology Sim: 010Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\010Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

010 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y001H Hydrology Sim: 025Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y001H.I32

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

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

025 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y002H Hydrology Sim: 025Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y002H.I32

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

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

025 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y004H Hydrology Sim: 025Y004H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y004H.I32

Execute: Yes Restart: No Patch: No

Alternative: No

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

025 yr / 004 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y008H Hydrology Sim: 025Y008H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y008H.I32

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

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

025 yr / 008 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y024H Hydrology Sim: 025Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y024H.I32

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

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

025 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y072H Hydrology Sim: 025Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y072H.I32

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

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

025 yr / 072 hr

Time(hrs)	Print Inc(min)

999.000 5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y168H Hydrology Sim: 025Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 025Y240H Hydrology Sim: 025Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\025Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

025 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y001H Hydrology Sim: 050Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y001H.I32

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

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

050 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y002H Hydrology Sim: 050Y002H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y002H.I32

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

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

050 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y004H            Hydrology Sim: 050Y004H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y004H.I32

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

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

050 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y008H            Hydrology Sim: 050Y008H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y008H.I32

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

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

050 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y024H            Hydrology Sim: 050Y024H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y024H.I32

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

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

050 yr / 024 hr

Time(hrs)       Print Inc(min)
```

999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y072H Hydrology Sim: 050Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y072H.I32

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

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

050 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y168H Hydrology Sim: 050Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 050Y240H Hydrology Sim: 050Y240H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\050Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

050 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y001H Hydrology Sim: 100Y001H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y001H.I32

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

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

100 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y002H            Hydrology Sim: 100Y002H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y002H.I32

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

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

100 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y004H            Hydrology Sim: 100Y004H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y004H.I32

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

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

100 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y008H            Hydrology Sim: 100Y008H
     Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y008H.I32

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

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

100 yr / 008 hr
```

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y024H Hydrology Sim: 100Y024H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y024H.I32

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

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

100 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y072H Hydrology Sim: 100Y072H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y072H.I32

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

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

100 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y168H Hydrology Sim: 100Y168H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 100Y240H Hydrology Sim: 100Y240H

Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\100Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

100 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: 3Yr24Hr Hydrology Sim: 3Yr24Hr
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\3Yr24Hr.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: SJR25Y24H Hydrology Sim: SJR25Y24H
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJR25Y24H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name: SJRMean Hydrology Sim: SJRMean
Filename: G:\Jobs\200230_002 SR15 - 24019613201\DOCS\Drainage\ICPR\Basin C\SJRMean.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes
Existing	Yes

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
16A	002Y001H	39.446	45.000	-0.0500	126	42.985	43.009
16A	002Y002H	39.739	45.000	-0.0500	126	43.473	43.486
16A	002Y004H	40.092	45.000	-0.0500	126	44.219	44.239
16A	002Y008H	39.971	45.000	-0.0500	126	43.933	43.909
16A	002Y024H	39.247	45.000	-0.0500	126	42.908	42.939
16A	002Y072H	39.086	45.000	-0.0500	126	42.891	42.911
16A	002Y168H	38.833	45.000	-0.0500	126	42.920	42.979
16A	002Y240H	39.123	45.000	-0.0500	126	42.900	42.921
16A	005Y001H	40.069	45.000	-0.0500	126	43.864	43.901
16A	005Y002H	40.437	45.000	-0.0500	126	44.651	44.674
16A	005Y004H	40.674	45.000	-0.0500	126	45.286	45.318
16A	005Y008H	40.662	45.000	-0.0500	126	45.139	45.160
16A	005Y024H	39.663	45.000	-0.0500	126	43.498	43.540
16A	005Y072H	39.390	45.000	-0.0500	126	43.044	43.112
16A	005Y168H	39.111	45.000	-0.0500	126	42.902	42.923
16A	005Y240H	39.393	45.000	-0.0500	126	43.127	43.111
16A	010Y001H	40.445	45.000	-0.0500	126	44.504	44.549
16A	010Y002H	40.664	45.000	-0.0500	126	45.019	45.046
16A	010Y004H	41.046	45.000	-0.0500	126	45.891	45.932
16A	010Y008H	41.109	45.000	-0.0500	126	45.928	45.955
16A	010Y024H	39.821	45.000	-0.0500	126	43.761	43.819
16A	010Y072H	39.520	45.000	-0.0500	126	43.235	43.236
16A	010Y168H	39.286	45.000	-0.0500	126	43.015	43.010
16A	010Y240H	39.519	45.000	-0.0500	126	43.226	43.313
16A	025Y001H	40.951	45.000	-0.0500	126	45.366	45.426
16A	025Y002H	41.177	45.000	-0.0500	126	45.865	45.898
16A	025Y004H	41.573	45.000	-0.0500	126	46.712	46.761
16A	025Y008H	41.714	45.000	-0.0500	126	46.971	47.007
16A	025Y024H	40.008	45.000	-0.0500	126	44.126	44.122
16A	025Y072H	39.640	45.000	-0.0500	126	43.438	43.491
16A	025Y168H	39.466	45.000	-0.0500	126	43.200	43.180
16A	025Y240H	39.617	45.000	-0.0500	126	43.406	43.482
16A	050Y001H	41.425	45.000	-0.0500	126	46.162	46.233
16A	050Y002H	41.607	45.000	-0.0500	126	46.561	46.601
16A	050Y004H	41.936	45.000	-0.0500	126	47.274	47.318
16A	050Y008H	42.160	45.000	-0.0500	126	47.715	47.757
16A	050Y024H	40.102	45.000	-0.0500	126	44.337	44.256
16A	050Y072H	39.739	45.000	-0.0500	126	43.642	43.715
16A	050Y168H	39.521	45.000	-0.0500	126	43.234	43.275
16A	050Y240H	39.707	45.000	-0.0500	126	43.551	43.664
16A	100Y001H	41.891	45.000	-0.0500	126	46.926	47.008
16A	100Y002H	42.142	45.000	-0.0500	126	47.400	47.447
16A	100Y004H	42.314	45.000	-0.0500	126	47.877	47.898
16A	100Y008H	42.603	45.000	-0.0500	126	48.430	48.478
16A	100Y024H	40.280	45.000	-0.0500	126	44.659	44.580
16A	100Y072H	39.863	45.000	-0.0500	126	43.888	43.895
16A	100Y168H	39.609	45.000	-0.0500	126	43.392	43.475
16A	100Y240H	39.804	45.000	-0.0500	126	43.739	43.786
16A	3Yr24Hr	41.024	45.000	-0.0500	126	45.743	45.780
16A	SJR25Y24H	43.002	45.000	-0.0500	126	49.171	49.229
16A	SJRMean	40.418	45.000	-0.0500	126	44.683	44.715
Cout-1	002Y001H	40.551	44.000	0.0042	4647	42.000	42.921
Cout-1	002Y002H	40.851	44.000	0.0042	4661	42.000	43.089
Cout-1	002Y004H	41.201	44.000	0.0042	4676	42.000	43.042
Cout-1	002Y008H	41.082	44.000	0.0042	4671	42.000	43.011
Cout-1	002Y024H	40.362	44.000	0.0042	4639	42.000	42.786
Cout-1	002Y072H	40.201	44.000	0.0042	4632	42.000	42.742
Cout-1	002Y168H	39.947	44.000	0.0042	4621	42.000	42.816
Cout-1	002Y240H	40.238	44.000	0.0042	4634	42.000	42.763
Cout-1	005Y001H	41.160	44.000	0.0042	4674	42.000	43.392
Cout-1	005Y002H	41.543	44.000	0.0042	4691	42.000	43.508
Cout-1	005Y004H	41.787	44.000	0.0042	4701	42.000	43.490
Cout-1	005Y008H	41.763	44.000	0.0042	4700	42.000	43.140
Cout-1	005Y024H	40.775	44.000	0.0042	4657	42.000	42.831
Cout-1	005Y072H	40.506	44.000	0.0042	4645	42.000	42.788
Cout-1	005Y168H	40.226	44.000	0.0042	4633	42.000	42.768
Cout-1	005Y240H	40.508	44.000	0.0042	4646	42.000	42.766
Cout-1	010Y001H	41.529	44.000	0.0042	4690	42.000	43.859
Cout-1	010Y002H	41.768	44.000	0.0042	4701	42.000	43.698
Cout-1	010Y004H	42.156	44.000	0.0042	4718	42.000	43.805

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Cout-1	010Y008H	42.203	44.000	0.0042	4720	42.000	43.393
Cout-1	010Y024H	40.933	44.000	0.0042	4664	42.000	42.936
Cout-1	010Y072H	40.634	44.000	0.0042	4651	42.000	42.798
Cout-1	010Y168H	40.402	44.000	0.0042	4641	42.000	42.722
Cout-1	010Y240H	40.631	44.000	0.0042	4651	42.000	42.824
Cout-1	025Y001H	42.026	44.000	0.0042	4712	42.000	44.463
Cout-1	025Y002H	42.276	44.000	0.0042	4723	42.000	44.115
Cout-1	025Y004H	42.678	44.000	0.0042	4740	42.000	44.234
Cout-1	025Y008H	42.802	44.000	0.0042	4746	42.000	43.745
Cout-1	025Y024H	41.120	44.000	0.0042	4672	42.000	42.966
Cout-1	025Y072H	40.756	44.000	0.0042	4656	42.000	42.778
Cout-1	025Y168H	40.579	44.000	0.0042	4649	42.000	42.815
Cout-1	025Y240H	40.731	44.000	0.0042	4655	42.000	42.862
Cout-1	050Y001H	42.491	44.000	0.0042	4732	42.000	45.021
Cout-1	050Y002H	42.702	44.000	0.0042	4741	42.000	44.457
Cout-1	050Y004H	43.039	44.000	0.0042	4756	42.000	44.525
Cout-1	050Y008H	43.244	44.000	0.0045	4765	42.000	44.007
Cout-1	050Y024H	41.215	44.000	0.0042	4676	42.000	42.931
Cout-1	050Y072H	40.851	44.000	0.0042	4661	42.000	42.797
Cout-1	050Y168H	40.636	44.000	0.0042	4651	42.000	42.858
Cout-1	050Y240H	40.822	44.000	0.0042	4659	42.000	42.889
Cout-1	100Y001H	42.948	44.000	0.0042	4752	42.000	45.569
Cout-1	100Y002H	43.231	44.000	0.0042	4765	42.000	44.874
Cout-1	100Y004H	43.414	44.000	0.0042	4773	42.000	44.828
Cout-1	100Y008H	43.683	44.000	0.0042	4784	42.000	44.275
Cout-1	100Y024H	41.393	44.000	0.0042	4684	42.000	42.943
Cout-1	100Y072H	40.976	44.000	0.0042	4666	42.000	42.796
Cout-1	100Y168H	40.721	44.000	0.0042	4655	42.000	42.950
Cout-1	100Y240H	40.918	44.000	0.0042	4663	42.000	42.888
Cout-1	3Yr24Hr	42.117	44.000	0.0048	4716	42.000	43.880
Cout-1	SJR25Y24H	44.088	44.000	0.0048	4802	42.000	45.755
Cout-1	SJRMean	41.518	44.000	0.0048	4690	42.000	43.309
Cout-2	002Y001H	38.184	44.000	-0.0156	125	43.009	46.488
Cout-2	002Y002H	38.426	44.000	-0.0156	125	43.842	46.457
Cout-2	002Y004H	38.731	44.000	-0.0156	125	44.846	46.432
Cout-2	002Y008H	38.630	44.000	-0.0156	125	44.466	46.432
Cout-2	002Y024H	37.963	44.000	-0.0156	125	43.224	46.432
Cout-2	002Y072H	37.808	44.000	-0.0156	125	43.059	46.432
Cout-2	002Y168H	37.571	44.000	-0.0156	125	43.020	46.432
Cout-2	002Y240H	37.841	44.000	-0.0156	125	43.130	46.432
Cout-2	005Y001H	38.749	44.000	-0.0156	125	44.058	46.538
Cout-2	005Y002H	39.057	44.000	-0.0156	125	45.375	46.495
Cout-2	005Y004H	39.252	44.000	-0.0156	125	46.302	46.432
Cout-2	005Y008H	39.248	44.000	-0.0156	125	46.093	46.432
Cout-2	005Y024H	38.340	44.000	-0.0156	125	44.010	46.432
Cout-2	005Y072H	38.102	44.000	-0.0156	125	43.446	46.432
Cout-2	005Y168H	37.830	44.000	-0.0156	125	43.149	46.432
Cout-2	005Y240H	38.097	44.000	-0.0156	125	43.467	46.432
Cout-2	010Y001H	39.088	44.000	-0.0156	125	44.879	46.570
Cout-2	010Y002H	39.262	44.000	-0.0156	125	45.872	46.518
Cout-2	010Y004H	39.584	44.000	-0.0156	125	47.146	47.154
Cout-2	010Y008H	39.647	44.000	-0.0156	125	47.203	47.202
Cout-2	010Y024H	38.481	44.000	-0.0156	125	44.461	46.432
Cout-2	010Y072H	38.213	44.000	-0.0156	125	43.690	46.432
Cout-2	010Y168H	37.996	44.000	-0.0156	125	43.350	46.432
Cout-2	010Y240H	38.211	44.000	-0.0156	125	43.765	46.432
Cout-2	025Y001H	39.546	44.000	-0.0156	125	46.024	46.610
Cout-2	025Y002H	39.725	44.000	-0.0156	125	47.000	47.018
Cout-2	025Y004H	40.056	44.000	-0.0156	125	48.353	48.360
Cout-2	025Y008H	40.188	44.000	-0.0156	125	48.697	48.683
Cout-2	025Y024H	38.646	44.000	-0.0156	125	44.935	46.432
Cout-2	025Y072H	38.320	44.000	-0.0156	125	43.996	46.432
Cout-2	025Y168H	38.165	44.000	-0.0156	125	43.562	46.432
Cout-2	025Y240H	38.299	44.000	-0.0156	125	44.012	46.432
Cout-2	050Y001H	39.974	44.000	-0.0156	125	47.097	47.115
Cout-2	050Y002H	40.113	44.000	-0.0156	125	47.936	47.955
Cout-2	050Y004H	40.382	44.000	-0.0156	125	49.187	49.190
Cout-2	050Y008H	40.588	44.000	-0.0156	125	49.759	49.740
Cout-2	050Y024H	38.737	44.000	-0.0156	125	45.162	46.432
Cout-2	050Y072H	38.405	44.000	-0.0156	125	44.339	46.432

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Cout-2	050Y168H	38.215	44.000	-0.0156	125	43.685	46.432
Cout-2	050Y240H	38.379	44.000	-0.0156	125	44.209	46.432
Cout-2	100Y001H	40.396	44.000	-0.0156	125	48.143	48.158
Cout-2	100Y002H	40.595	44.000	-0.0156	125	49.098	49.115
Cout-2	100Y004H	40.720	44.000	-0.0156	125	50.043	50.043
Cout-2	100Y008H	40.986	44.000	-0.0156	125	50.774	50.755
Cout-2	100Y024H	38.891	44.000	-0.0156	125	45.635	46.432
Cout-2	100Y072H	38.516	44.000	-0.0156	125	44.617	46.432
Cout-2	100Y168H	38.290	44.000	-0.0156	125	44.002	46.432
Cout-2	100Y240H	38.465	44.000	-0.0156	125	44.446	46.432
Cout-2	3Yr24Hr	39.576	44.000	-0.0304	125	46.865	46.872
Cout-2	SJR25Y24H	41.349	44.000	-0.0304	125	51.486	51.477
Cout-2	SJRMean	39.037	44.000	-0.0304	125	45.373	46.434
Cout-3	002Y001H	42.018	43.000	0.0036	8465	5.693	2.821
Cout-3	002Y002H	41.969	43.000	0.0034	8132	4.766	2.586
Cout-3	002Y004H	41.908	43.000	0.0050	7758	2.765	2.293
Cout-3	002Y008H	41.922	43.000	0.0050	7843	2.757	2.361
Cout-3	002Y024H	41.562	43.000	0.0031	5647	0.842	0.803
Cout-3	002Y072H	41.482	43.000	0.0014	5163	0.541	0.540
Cout-3	002Y168H	41.438	43.000	0.0007	4891	0.409	0.408
Cout-3	002Y240H	41.481	43.000	0.0005	5156	0.537	0.537
Cout-3	005Y001H	42.194	43.000	0.0050	9923	7.373	3.689
Cout-3	005Y002H	42.182	43.000	0.0036	9823	6.566	3.628
Cout-3	005Y004H	42.061	43.000	0.0050	8823	3.671	3.029
Cout-3	005Y008H	42.076	43.000	0.0050	8947	3.622	3.102
Cout-3	005Y024H	41.640	43.000	0.0033	6123	1.141	1.093
Cout-3	005Y072H	41.537	43.000	0.0019	5496	0.718	0.718
Cout-3	005Y168H	41.478	43.000	0.0009	5139	0.528	0.528
Cout-3	005Y240H	41.531	43.000	-0.0007	5460	0.698	0.697
Cout-3	010Y001H	42.292	43.000	0.0050	10733	8.400	4.191
Cout-3	010Y002H	42.243	43.000	0.0041	10331	7.127	3.939
Cout-3	010Y004H	42.152	43.000	0.0050	9576	4.234	3.478
Cout-3	010Y008H	42.174	43.000	0.0050	9757	4.205	3.588
Cout-3	010Y024H	41.690	43.000	0.0037	6429	1.348	1.295
Cout-3	010Y072H	41.570	43.000	0.0022	5699	0.834	0.833
Cout-3	010Y168H	41.512	43.000	0.0011	5343	0.634	0.634
Cout-3	010Y240H	41.568	43.000	-0.0008	5684	0.824	0.824
Cout-3	025Y001H	42.415	43.000	0.0045	11751	9.773	4.847
Cout-3	025Y002H	42.371	43.000	0.0043	11392	8.362	4.613
Cout-3	025Y004H	42.273	43.000	0.0050	10580	5.019	4.094
Cout-3	025Y008H	42.301	43.000	0.0050	10814	5.010	4.242
Cout-3	025Y024H	41.750	43.000	0.0037	6797	1.614	1.552
Cout-3	025Y072H	41.616	43.000	0.0026	5978	1.002	1.002
Cout-3	025Y168H	41.547	43.000	0.0013	5555	0.750	0.750
Cout-3	025Y240H	41.606	43.000	-0.0009	5917	0.964	0.964
Cout-3	050Y001H	42.522	43.000	0.0046	12641	11.045	5.438
Cout-3	050Y002H	42.470	43.000	0.0035	12211	9.369	5.150
Cout-3	050Y004H	42.353	43.000	0.0050	11239	5.557	4.513
Cout-3	050Y008H	42.392	43.000	0.0050	11567	5.614	4.727
Cout-3	050Y024H	41.780	43.000	0.0034	6979	1.751	1.685
Cout-3	050Y072H	41.650	43.000	0.0029	6185	1.134	1.133
Cout-3	050Y168H	41.569	43.000	0.0014	5693	0.830	0.830
Cout-3	050Y240H	41.639	43.000	-0.0009	6119	1.091	1.091
Cout-3	100Y001H	42.622	43.000	0.0045	13465	12.284	6.002
Cout-3	100Y002H	42.585	43.000	0.0037	13163	10.598	5.793
Cout-3	100Y004H	42.432	43.000	0.0050	11899	6.113	4.944
Cout-3	100Y008H	42.481	43.000	0.0050	12299	6.223	5.208
Cout-3	100Y024H	41.833	43.000	0.0037	7303	2.005	1.931
Cout-3	100Y072H	41.693	43.000	0.0029	6445	1.306	1.306
Cout-3	100Y168H	41.602	43.000	0.0016	5892	0.949	0.949
Cout-3	100Y240H	41.673	43.000	0.0009	6323	1.224	1.224
Cout-3	3Yr24Hr	42.204	43.000	0.0023	10009	6.253	3.742
Cout-3	SJR25Y24H	42.597	43.000	0.0030	13262	10.327	5.861
Cout-3	SJRMean	42.075	43.000	0.0022	8942	5.096	3.099
Cout-4	002Y001H	36.984	44.000	0.0049	191	46.488	44.589
Cout-4	002Y002H	37.155	44.000	0.0050	191	46.457	45.536
Cout-4	002Y004H	37.394	44.000	0.0049	191	46.900	46.826
Cout-4	002Y008H	37.323	44.000	0.0049	191	46.445	46.445
Cout-4	002Y024H	36.841	44.000	0.0049	191	46.432	43.783

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Cout-4	002Y072H	36.792	44.000	0.0049	191	46.432	43.499
Cout-4	002Y168H	36.715	44.000	0.0049	191	46.432	43.147
Cout-4	002Y240H	36.803	44.000	0.0049	191	46.432	43.563
Cout-4	005Y001H	37.468	44.000	0.0049	191	47.220	47.218
Cout-4	005Y002H	37.696	44.000	-0.0047	191	48.411	48.411
Cout-4	005Y004H	37.829	44.000	0.0049	191	49.148	49.090
Cout-4	005Y008H	37.837	44.000	0.0049	191	49.130	49.128
Cout-4	005Y024H	37.059	44.000	0.0049	191	46.432	45.007
Cout-4	005Y072H	36.884	44.000	0.0049	191	46.432	44.025
Cout-4	005Y168H	36.800	44.000	0.0049	191	46.432	43.546
Cout-4	005Y240H	36.885	44.000	0.0049	191	46.432	44.029
Cout-4	010Y001H	37.754	44.000	0.0049	191	48.712	48.709
Cout-4	010Y002H	37.871	44.000	0.0049	191	49.302	49.301
Cout-4	010Y004H	38.109	44.000	0.0049	191	50.493	50.492
Cout-4	010Y008H	38.165	44.000	0.0049	191	50.773	50.771
Cout-4	010Y024H	37.173	44.000	0.0049	191	46.432	45.635
Cout-4	010Y072H	36.952	44.000	0.0049	191	46.432	44.407
Cout-4	010Y168H	36.853	44.000	0.0049	191	46.432	43.847
Cout-4	010Y240H	36.950	44.000	0.0049	191	46.432	44.398
Cout-4	025Y001H	38.140	44.000	0.0048	191	50.648	50.646
Cout-4	025Y002H	38.262	44.000	0.0049	191	51.246	51.244
Cout-4	025Y004H	38.502	44.000	0.0049	191	52.401	52.400
Cout-4	025Y008H	38.612	44.000	0.0049	191	52.925	52.921
Cout-4	025Y024H	37.311	44.000	-0.0050	191	46.432	46.383
Cout-4	025Y072H	37.040	44.000	0.0049	191	46.432	44.901
Cout-4	025Y168H	36.912	44.000	0.0049	191	46.432	44.183
Cout-4	025Y240H	37.022	44.000	0.0049	191	46.432	44.803
Cout-4	050Y001H	38.501	44.000	-0.0045	191	52.398	52.393
Cout-4	050Y002H	38.589	44.000	0.0048	191	52.814	52.812
Cout-4	050Y004H	38.773	44.000	0.0049	191	53.676	53.675
Cout-4	050Y008H	38.943	44.000	0.0049	191	54.466	54.461
Cout-4	050Y024H	37.381	44.000	-0.0049	191	46.868	46.757
Cout-4	050Y072H	37.110	44.000	0.0049	191	46.432	45.291
Cout-4	050Y168H	36.953	44.000	0.0049	191	46.432	44.412
Cout-4	050Y240H	37.088	44.000	0.0049	191	46.432	45.169
Cout-4	100Y001H	38.855	44.000	-0.0045	191	54.061	54.055
Cout-4	100Y002H	38.994	44.000	0.0049	191	54.696	54.694
Cout-4	100Y004H	39.055	44.000	0.0049	191	54.973	54.971
Cout-4	100Y008H	39.274	44.000	0.0049	191	55.959	55.953
Cout-4	100Y024H	37.513	44.000	-0.0050	191	47.498	47.455
Cout-4	100Y072H	37.202	44.000	0.0049	191	46.432	45.791
Cout-4	100Y168H	37.015	44.000	-0.0049	191	46.432	44.764
Cout-4	100Y240H	37.159	44.000	0.0049	191	46.432	45.558
Cout-4	3Yr24Hr	38.116	44.000	0.0050	191	50.531	50.529
Cout-4	SJR25Y24H	39.587	44.000	0.0050	191	57.339	57.336
Cout-4	SJRMean	37.671	44.000	0.0050	191	48.280	48.279
ExfilTrench	002Y001H	43.017	44.000	0.0029	4959	8.111	2.922
ExfilTrench	002Y002H	43.018	44.000	0.0029	4959	6.737	2.939
ExfilTrench	002Y004H	43.042	44.000	0.0030	4948	3.879	3.347
ExfilTrench	002Y008H	43.061	44.000	0.0032	4938	3.803	3.696
ExfilTrench	002Y024H	42.899	44.000	0.0015	5067	1.159	1.157
ExfilTrench	002Y072H	42.862	44.000	0.0007	5110	0.734	0.734
ExfilTrench	002Y168H	42.845	44.000	0.0005	5131	0.552	0.552
ExfilTrench	002Y240H	42.862	44.000	0.0006	5111	0.726	0.726
ExfilTrench	005Y001H	43.194	44.000	0.0028	4859	10.404	6.394
ExfilTrench	005Y002H	43.187	44.000	0.0031	4864	9.146	6.253
ExfilTrench	005Y004H	43.110	44.000	0.0030	4915	5.089	4.638
ExfilTrench	005Y008H	43.125	44.000	0.0032	4907	4.955	4.941
ExfilTrench	005Y024H	42.929	44.000	0.0015	5031	1.558	1.556
ExfilTrench	005Y072H	42.883	44.000	0.0007	5085	0.971	0.971
ExfilTrench	005Y168H	42.860	44.000	0.0007	5113	0.713	0.713
ExfilTrench	005Y240H	42.881	44.000	0.0008	5088	0.941	0.941
ExfilTrench	010Y001H	43.274	44.000	0.0029	4800	11.782	8.266
ExfilTrench	010Y002H	43.235	44.000	0.0032	4829	9.895	7.343
ExfilTrench	010Y004H	43.157	44.000	0.0031	4885	5.840	5.608
ExfilTrench	010Y008H	43.163	44.000	0.0031	4881	5.735	5.725
ExfilTrench	010Y024H	42.949	44.000	0.0016	5008	1.835	1.833
ExfilTrench	010Y072H	42.896	44.000	0.0009	5070	1.127	1.126
ExfilTrench	010Y168H	42.873	44.000	0.0008	5097	0.854	0.854
ExfilTrench	010Y240H	42.895	44.000	0.0009	5071	1.112	1.112

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
ExfilTrench	025Y001H	43.368	44.000	0.0024	4711	13.621	10.626
ExfilTrench	025Y002H	43.336	44.000	0.0025	4742	11.541	9.789
ExfilTrench	025Y004H	43.211	44.000	0.0033	4846	6.886	6.791
ExfilTrench	025Y008H	43.212	44.000	0.0036	4846	6.811	6.802
ExfilTrench	025Y024H	42.972	44.000	0.0014	4981	2.190	2.189
ExfilTrench	025Y072H	42.914	44.000	0.0011	5049	1.352	1.352
ExfilTrench	025Y168H	42.887	44.000	0.0009	5081	1.011	1.011
ExfilTrench	025Y240H	42.910	44.000	0.0011	5054	1.300	1.300
ExfilTrench	050Y001H	43.447	44.000	0.0024	4641	15.322	12.744
ExfilTrench	050Y002H	43.406	44.000	0.0026	4674	12.883	11.643
ExfilTrench	050Y004H	43.244	44.000	0.0034	4823	7.603	7.535
ExfilTrench	050Y008H	43.247	44.000	0.0029	4820	7.618	7.610
ExfilTrench	050Y024H	42.984	44.000	0.0015	4976	2.374	2.372
ExfilTrench	050Y072H	42.927	44.000	0.0013	5033	1.529	1.529
ExfilTrench	050Y168H	42.896	44.000	0.0010	5071	1.118	1.118
ExfilTrench	050Y240H	42.923	44.000	0.0012	5039	1.470	1.470
ExfilTrench	100Y001H	43.517	44.000	0.0027	4629	16.976	14.747
ExfilTrench	100Y002H	43.479	44.000	0.0027	4635	14.520	13.667
ExfilTrench	100Y004H	43.275	44.000	0.0029	4800	8.346	8.287
ExfilTrench	100Y008H	43.281	44.000	0.0031	4795	8.435	8.427
ExfilTrench	100Y024H	43.005	44.000	0.0017	4965	2.714	2.712
ExfilTrench	100Y072H	42.944	44.000	0.0015	5014	1.761	1.761
ExfilTrench	100Y168H	42.908	44.000	-0.0007	5056	1.278	1.278
ExfilTrench	100Y240H	42.936	44.000	0.0014	5023	1.649	1.648
ExfilTrench	3Yr24Hr	43.259	44.000	0.0030	4812	8.524	7.889
ExfilTrench	SJR25Y24H	43.461	44.000	0.0017	4638	13.920	13.155
ExfilTrench	SJRMean	43.176	44.000	0.0025	4872	6.994	6.013
Tw-out	002Y001H	33.000	34.000	0.0000	72	44.589	0.000
Tw-out	002Y002H	33.000	34.000	0.0000	72	45.536	0.000
Tw-out	002Y004H	33.000	34.000	0.0000	72	46.826	0.000
Tw-out	002Y008H	33.000	34.000	0.0000	72	46.445	0.000
Tw-out	002Y024H	33.000	34.000	0.0000	72	43.783	0.000
Tw-out	002Y072H	33.000	34.000	0.0000	72	43.499	0.000
Tw-out	002Y168H	33.000	34.000	0.0000	72	43.147	0.000
Tw-out	002Y240H	33.000	34.000	0.0000	72	43.563	0.000
Tw-out	005Y001H	33.000	34.000	0.0000	72	47.218	0.000
Tw-out	005Y002H	33.000	34.000	0.0000	72	48.411	0.000
Tw-out	005Y004H	33.000	34.000	0.0000	72	49.090	0.000
Tw-out	005Y008H	33.000	34.000	0.0000	72	49.128	0.000
Tw-out	005Y024H	33.000	34.000	0.0000	72	45.007	0.000
Tw-out	005Y072H	33.000	34.000	0.0000	72	44.025	0.000
Tw-out	005Y168H	33.000	34.000	0.0000	72	43.546	0.000
Tw-out	005Y240H	33.000	34.000	0.0000	72	44.029	0.000
Tw-out	010Y001H	33.000	34.000	0.0000	72	48.709	0.000
Tw-out	010Y002H	33.000	34.000	0.0000	72	49.301	0.000
Tw-out	010Y004H	33.000	34.000	0.0000	72	50.492	0.000
Tw-out	010Y008H	33.000	34.000	0.0000	72	50.771	0.000
Tw-out	010Y024H	33.000	34.000	0.0000	72	45.635	0.000
Tw-out	010Y072H	33.000	34.000	0.0000	72	44.407	0.000
Tw-out	010Y168H	33.000	34.000	0.0000	72	43.847	0.000
Tw-out	010Y240H	33.000	34.000	0.0000	72	44.398	0.000
Tw-out	025Y001H	33.000	34.000	0.0000	72	50.646	0.000
Tw-out	025Y002H	33.000	34.000	0.0000	72	51.244	0.000
Tw-out	025Y004H	33.000	34.000	0.0000	72	52.400	0.000
Tw-out	025Y008H	33.000	34.000	0.0000	72	52.921	0.000
Tw-out	025Y024H	33.000	34.000	0.0000	72	46.383	0.000
Tw-out	025Y072H	33.000	34.000	0.0000	72	44.901	0.000
Tw-out	025Y168H	33.000	34.000	0.0000	72	44.183	0.000
Tw-out	025Y240H	33.000	34.000	0.0000	72	44.803	0.000
Tw-out	050Y001H	33.000	34.000	0.0000	72	52.393	0.000
Tw-out	050Y002H	33.000	34.000	0.0000	72	52.812	0.000
Tw-out	050Y004H	33.000	34.000	0.0000	72	53.675	0.000
Tw-out	050Y008H	33.000	34.000	0.0000	72	54.461	0.000
Tw-out	050Y024H	33.000	34.000	0.0000	72	46.757	0.000
Tw-out	050Y072H	33.000	34.000	0.0000	72	45.291	0.000
Tw-out	050Y168H	33.000	34.000	0.0000	72	44.412	0.000
Tw-out	050Y240H	33.000	34.000	0.0000	72	45.169	0.000
Tw-out	100Y001H	33.000	34.000	0.0000	72	54.055	0.000
Tw-out	100Y002H	33.000	34.000	0.0000	72	54.694	0.000
Tw-out	100Y004H	33.000	34.000	0.0000	72	54.971	0.000

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Tw-out	100Y008H	33.000	34.000	0.0000	72	55.953	0.000
Tw-out	100Y024H	33.000	34.000	0.0000	72	47.455	0.000
Tw-out	100Y072H	33.000	34.000	0.0000	72	45.791	0.000
Tw-out	100Y168H	33.000	34.000	0.0000	72	44.764	0.000
Tw-out	100Y240H	33.000	34.000	0.0000	72	45.558	0.000
Tw-out	3Yr24Hr	33.000	34.000	0.0000	72	50.529	0.000
Tw-out	SJR25Y24H	33.000	34.000	0.0000	72	57.336	0.000
Tw-out	SJRMean	33.000	34.000	0.0000	72	48.279	0.000

SR 15/600 (TO SOLDIERS CREEK)
SUMMARY OF BASIN 'C' TOTAL CRITICAL DURATION STORMS (CFS)
(Peak Discharge Approach)

DURATION		YEAR					
		2 YR	5 YR	10 YR	25 YR	50 YR	100 YR
1 Hour	Pre	**51.30**	**54.83**	**56.93**	**59.70**	**62.21**	**64.60**
	Post	44.59	47.22	48.71	50.65	52.39	54.06
2 Hour	Pre	50.45	54.62	55.91	58.72	60.97	63.68
	Post	45.54	48.41	49.30	51.24	52.81	54.69
4 Hour	Pre	50.07	53.04	54.86	57.39	59.11	60.87
	Post	**46.83**	**49.09**	50.49	52.40	53.68	54.97
8 Hour	Pre	50.32	53.44	55.49	58.25	60.28	62.31
	Post	46.45	49.13	**50.77**	**52.92**	**54.46**	**55.95**
24 Hour	Pre	44.92	46.12	46.92	47.94	48.46	49.44
	Post	43.78	45.01	45.64	46.38	46.76	47.46
3 Day	Pre	44.03	44.77	45.24	45.90	46.43	47.11
	Post	43.50	44.03	44.41	44.90	45.29	45.79
7 Day	Pre	43.58	44.06	44.48	44.94	45.25	45.72
	Post	43.15	43.55	43.85	44.18	44.41	44.76
10 Day	Pre	44.08	44.72	45.22	45.77	46.27	46.80
	Post	43.56	44.03	44.40	44.80	45.17	45.56

SJRWMD'S 25 YEAR - 24 HOUR
BASIN C

Pre Q (cfs)	Post Q (cfs)	Peak Stage (ft)	Comment
64.97	57.34	- - - -	Discharge to Six Mile Creek
- - - -	13.16	43.46	Exfiltration Trench

SJRWMD'S MEAN ANNUAL
BASIN C

Pre Q (cfs)	Post Q (cfs)	Peak Stage (ft)	Comment
52.81	48.28	- - - -	Discharge to Six Mile Creek
- - - -	6.01	43.18	Exfiltration Trench

JACOBS

PROJECT: SR 15 WIDENING - SEMINOLE COUNTY, FL.
Basin: Basin 'C'

Made by: HDT Checked by: MBS
DATE: April 14 2011 TIME: 3:11 PM
Project Number: 240196-01-5201

Site-Specific Pre-/Post- Pollutant Loading Analysis

Existing Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Ex. Basin C	HWY 50%	HSG D	0.871	X	4.76	=	4.15				4.15
Ex. Rdwy	HWY 50%	HSG D	0.871	X	1.03	=	0.90				0.90
Ex. Swales	HWY 50%	HSG D	0.871	X	1.21	=	1.05				1.05
Ex. Offsite NB	COMM	HSG D	0.964	X	1.55	=	1.49				1.49
			TOTALS =		8.55		7.59			TOTALS =	7.59

Proposed Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Basin C	HWY 75%	HSG D	1.133	X	2.57	=	2.91	Dry Retention	*1.25*	84	0.47
Basin C North	HWY 75%	HSG D	1.133	X	0.69	=	0.78				0.78
Swale C-1/C-2	HWY 75%	HSG D	1.133	X	1.22	=	1.38	Dry Retention	*1.25*	84	0.22
Offsite NB	COMM	HSG D	0.964	X	1.07	=	1.03				1.03
Ex. Rdwy	HWY 75%	HSG D	1.133	X	1.19	=	1.35				1.35
			TOTALS =		6.74		7.46			TOTALS =	3.85

CONCLUSION:

EXISTING OUTFLOW MASS LOADING = 7.59 kg/yr

PROPOSED OUTFLOW MASS LOADING = 3.85 kg/yr

==========

NET REDUCTION IN PHOSPHOROUS LOADING = 3.74 kg/yr

PERCENT NET REDUCTION IN TOTAL P LOADING = 49.30%

E

Appendix E

Basin D Drainage Calculations

- Basin Pre-development Figures
- Basin Post-development Figures
- Area Take-offs
- CN Calculation
- Tc Calculation
- SHWT Determination
- Ditch Cell (Swales) Calculations
- Sunland Park Permeability Results
- Sunland Park "North" Subsurface Calculations
- Sunland Park "South" Subsurface Calculations
- ICPR
- FDOT (14-86) and SJRWMD Discharge Rate Summary
- Pre/Post Pollutant Loading Analysis

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Made by: HDT | Checked by:
Date: 13-Apr-11 | Time: 5:21 PM
Project No.: 240196-1-32-01

SR 15/600 - Seminole County, Florida
AREA TAKE-OFF - Pre & Post

EXISTING BASIN 'D'

Basin Designation	Station From	Station To	AREA Total	Ex. AREA imperv.	Ex. AREA perv.	COMMENTS
Ex. Basin 'D-S'	822+00.00	828+00.00	1.08 ac.	0.61 ac.	0.47 ac.	Existing Roadway draining into existing Bridge Culvert to Sunland Park Creek.
Ex. Basin 'D-N'	828+00.00	845+00.00	7.00 ac.	3.98 ac.	3.02 ac.	Existing Roadway draining into existing Sunland Park Creek.
Ex. 36" RCP Area	793+50.00	801+60.00	1.30 ac.	0.80 ac.	0.50 ac.	Existing Roadway draining into Existing 36" RCP down Bargain Blvd.
Ex. 30" RCP Area	802+60.00	820+70.00	4.12 ac.	2.53 ac.	1.59 ac.	Existing Roadway draining into Existing 30" RCP at Sta. 817+00 to 6-Mile Creek.
Ex. Swales	802+60.00	817+00.00	3.24 ac.	1.79 ac.	1.45 ac.	Existing Roadway draining into Existing Ditch at Sta. 817+00 to 6-Mile Creek.
Ex. (Sunland) Park South	821+70.00	823+20.00	1.19 ac.	0.00 ac.	1.19 ac.	Existing Sunland Park Area South of the Creek discharging to the 2-36" RCP's on Collins Dr.
Ex. (Sunland) Park North	823+20.00	829+00.00	4.61 ac.	0.23 ac.	4.08 ac.	Existing Sunland Park Area North of the Creek discharging to the 2-36" RCP's on Collins Dr.
		TOTALS =	22.54 ac.	9.94 ac.	12.30 ac.	

PROPOSED BASIN 'D'

Basin Designation	Station From	Station To	AREA Total	Pr. AREA imperv.	Pr. AREA perv.	COMMENTS
Basin 'D-S'	793+50.00	828+00.00	9.24 ac.	8.08 ac.	1.16 ac.	Proposed Roadway draining into Underground Storage System discharging to Sunland Park Creek.
Basin 'D-N'	828+00.00	845+00.00	4.44 ac.	3.14 ac.	1.30 ac.	Existing Roadway draining into Existing Ditch at Sta. 817+00 to 6-Mile Creek.
Swale D-1 to D-5	823+20.00	829+00.00	3.23 ac.	1.58 ac.	1.65 ac.	Existing Roadway draining into Existing Ditch at Sta. 817+00 to 6-Mile Creek.
Ex. (Sunland) Park South	821+70.00	823+20.00	1.19 ac.	0.00 ac.	1.19 ac.	Existing Sunland Park Area South of the Creek discharging to the 2-36" RCP's on Collins Dr.
Ex. (Sunland) Park North	823+20.00	829+00.00	4.61 ac.	0.23 ac.	4.38 ac.	Existing Sunland Park Area North of the Creek discharging to the 2-36" RCP's on Collins Dr.
		TOTALS =	22.71 ac.	13.03 ac.	9.68 ac.	

Basin 'D-S'

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.
9.24 ac.	8.08 ac.	1.16 ac.

1.25 " over AREA impervious = 0.842 ac.-ft. 36,663.0 CU. FT.
0.50 " over AREA Total = 0.385 ac.-ft. 16,764.0 CU. FT.

TREATMENT VOLUME = 0.842 ac.-ft. 36,663.0 CU. FT. REQUIRED TREATMENT VOLUME

USE TREATMENT VOLUME = 0.842 ac.-ft. 36,663.0 CU. FT.

Basin 'D-N'

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.
4.44 ac.	3.14 ac.	1.30 ac.

1.25 " over AREA impervious = 0.327 ac.-ft. 14,248.0 CU. FT.
0.50 " over AREA Total = 0.185 ac.-ft. 8,052.0 CU. FT.

TREATMENT VOLUME = 0.327 ac.-ft. 14,248.0 CU. FT. REQUIRED TREATMENT VOLUME

USE TREATMENT VOLUME = 0.327 ac.-ft. 14,248.0 CU. FT.

Swale D-1 to D-5

AREA Totals	Pr. AREA imperv.	Pr. AREA perv.
3.23 ac.	1.58 ac.	1.65 ac.

1.25 " over AREA impervious = 0.165 ac.-ft. 7,169.0 CU. FT.
0.50 " over AREA Total = 0.134 ac.-ft. 5,856.0 CU. FT.

TREATMENT VOLUME = 0.165 ac.-ft. 7,169.0 CU. FT. REQUIRED TREATMENT VOLUME

USE TREATMENT VOLUME = 0.165 ac.-ft. 7,169.0 CU. FT.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	**Pre-Development Condition** **BASIN 'D'**	JACOBS™ 5750 Major Blvd, Suite 400 Orlando, Florida 32819	**SR 15/600 Widening (US 17/92)** **From Shepard Rd to Lake Mary Blvd.** **Seminole County, Florida**	**Figure** **D-1**

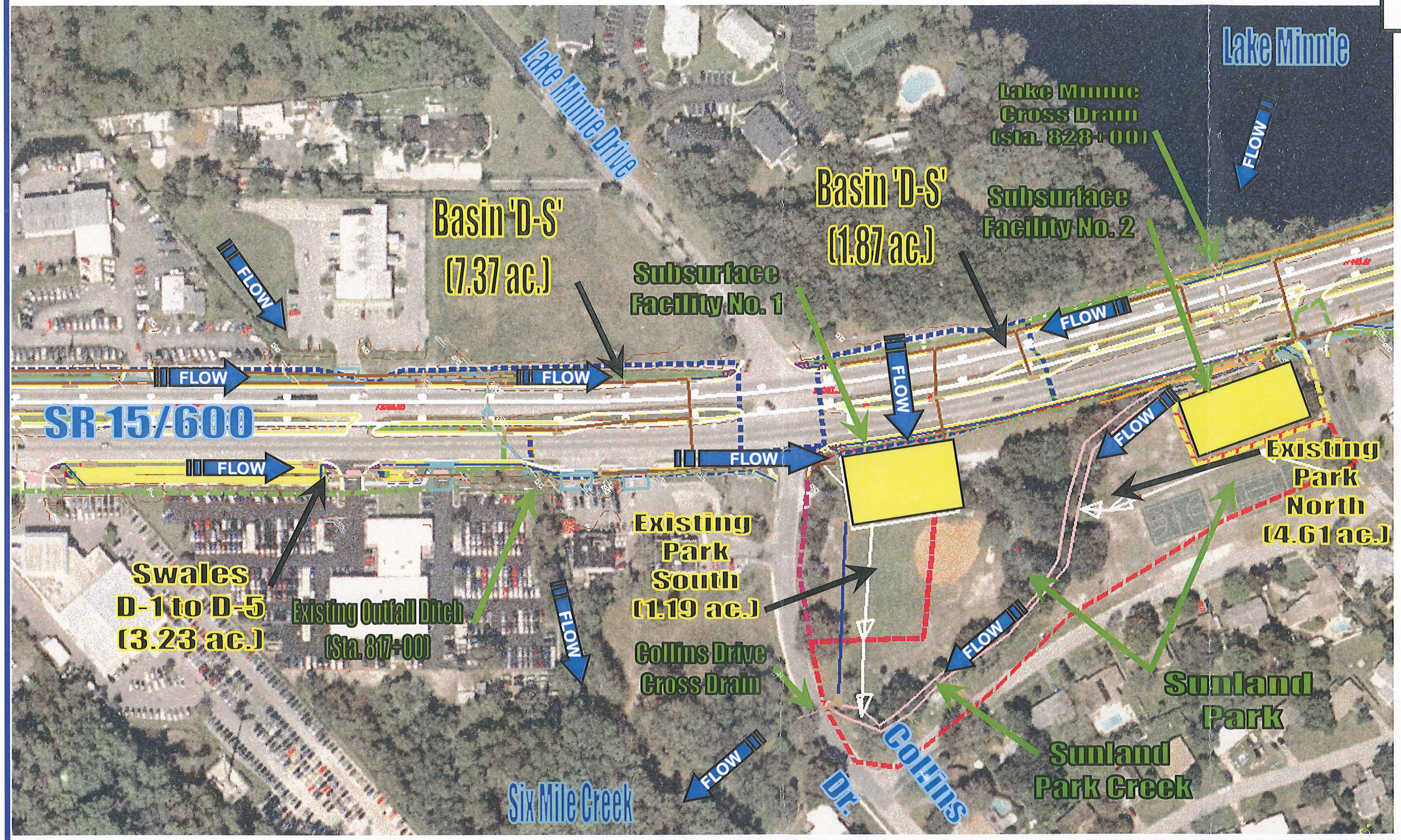
NORTH

N.T.S.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	**Pre-Development Condition** **BASIN 'D'**	JACOBS 5750 Major Blvd, Suite 400 Orlando, Florida 32819	**SR 15/600 Widening (US 17/92)** **From Shepard Rd to Lake Mary Blvd.** **Seminole County, Florida**	**Figure** **D-2**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	Pre-Development Condition BASIN 'D'	JACOBS 5750 Major Blvd, Suite 400 Orlando, Florida 32819	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure D-3

Post-Development Condition BASIN 'D'	JACOBS 5750 Major Blvd, Suite 400 Orlando, Florida 32819	SR 15/600 Widening (US 17/92) From Shepard Rd to Lake Mary Blvd. Seminole County, Florida	Figure D-4



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	**Post-Development Condition** **BASIN 'D'**	JACOBS 5750 Major Blvd, Suite 400 Orlando, Florida 32819	**SR 15/600 Widening (US 17/92)** **From Shepard Rd to Lake Mary Blvd.** **Seminole County, Florida**	**Figure** **D-5**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	**Post-Development Condition** **BASIN 'D'**	JACOBS™ 5750 Major Blvd, Suite 400 Orlando, Florida 32819	**SR 15/600 Widening (US 17/92)** **From Shepard Rd to Lake Mary Blvd.** **Seminole County, Florida**	**Figure** **D-6**

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Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Basin 'D-S'**

Pre-Development Area Calculations

Impervious Area = 0.61 ac.
Pervious Area = 0.47 ac.
Total Area = 1.08 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.61	59.78
80	0.47	37.60
Total =	1.08	97.38

$$\text{Weighted CN} = \frac{97.38}{1.08}$$

Weighted CN = 90.2

Soil Storage (S)

S = (1000 / CN) -10
S = 1.09 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.42 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.67 acre-feet

Post Development Area Calculations

Impervious Area = 8.08 ac.
Pervious Area = 1.16 ac.
Total Area = 9.24 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	8.08	791.84
80	1.16	92.80
Total =	9.24	884.64

$$\text{Weighted CN} = \frac{884.64}{9.24}$$

Weighted CN = 95.7

Soil Storage (S)

S = (1000 / CN) -10
S = 0.44 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.09 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 6.23 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 6.23 ac.-ft. - 0.67 ac.-ft.

Attenuation Volumetric Difference = 5.56 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/26/11
Location: Basin 'D-S' **Checked:** **Date:**

Circle One: Present (Proposed)

Circle One: [Tc] Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Asphalt				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	43				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		----				
5b. Land elevation for lower end of flow path		----				
6. Compute Tt	hr	0.0085	+		=	0.01

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Paved				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	0				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	1.0000				
5a. Land elevation for upper end of flow path		0.00				
5b. Land elevation for lower end of flow path		0.00				
6. Compute Tt	hr	0.0000	+		=	0.00

Shallow Concentrated Flow

		Segment ID				
7. Surface description (Paved or Unpaved)		Paved				
8. Flow length, L	ft	202				
9. Calculated watercourse slope, s	ft/ft	0.0073				
9a. Land elevation for upper end of flow path		45.69				
9b. Land elevation for lower end of flow path		44.22				
10. Average velocity, V (Figure 3-1)	ft/s	1.73				
11. Compute Tt (Tt = L/(3600*V))	hr	0.0324	+		=	0.03

Channel Flow

		Segment ID				
12. Cross sectional flow area, a		to Storarge				
13. Wetted perimeter, Pw		4.91				
14. Compute Hydraulic radius, r (r = a/Pw)		7.85				
15. Channel slope, s		0.625				
16. Mannings roughness coefficient, n		0.0009				
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		0.013				
18. Flow length, L		2.52				
19. Compute Tt (Tt = L/(3600*V))		2970				
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)		0.3277	+		=	0.33
						hr 0.37

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 22.11 Minute(s)

Use Time of Concentration = 22.00 Minute(s)

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Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Basin 'D-N'**

Pre-Development Area Calculations

Impervious Area = 3.98 ac.
Pervious Area = 3.02 ac.
Total Area = 7.00 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	3.98	390.04
80	3.02	241.60
Total =	7.00	631.64

$$\text{Weighted CN} = \frac{631.64}{7.00}$$

Weighted CN = 90.2

Soil Storage (S)

S = (1000 / CN) -10
S = 1.08 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.43 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 4.33 acre-feet

Post Development Area Calculations

Impervious Area = 3.14 ac.
Pervious Area = 1.30 ac.
Total Area = 4.44 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	3.14	307.72
80	1.30	104.00
Total =	4.44	411.72

$$\text{Weighted CN} = \frac{411.72}{4.44}$$

Weighted CN = 92.7

Soil Storage (S)

S = (1000 / CN) -10
S = 0.78 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.73 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 2.86 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 2.86 ac.-ft. - 4.33 ac.-ft.

Attenuation Volumetric Difference = -1.47 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Basin 'D-N' **Checked:** **Date:**

Circle One: Present PROPOSED

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Asphalt				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	73				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		----				
5b. Land elevation for lower end of flow path		----				
6. Compute Tt	hr	0.0130	+		=	0.01

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Paved				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	0				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	1.0000				
5a. Land elevation for upper end of flow path		0.00				
5b. Land elevation for lower end of flow path		0.00				
6. Compute Tt	hr	0.0000	+		=	0.00

Shallow Concentrated Flow

		Segment ID				
7. Surface description (Paved or Unpaved)		Paved				
8. Flow length, L	ft	159				
9. Calculated watercourse slope, s	ft/ft	0.0091				
9a. Land elevation for upper end of flow path		45.65				
9b. Land elevation for lower end of flow path		44.21				
10. Average velocity, V (Figure 3-1)	ft/s	1.93				
11. Compute Tt (Tt = L/(3600*V))	hr	0.0228	+		=	0.02

Channel Flow

	Segment ID	to Storarge				
12. Cross sectional flow area, a		4.91				
13. Wetted perimeter, Pw		7.85				
14. Compute Hydraulic radius, r (r = a/Pw)		0.625				
15. Channel slope, s		0.0009				
16. Mannings roughness coefficient, n		0.013				
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		2.52				
18. Flow length, L		1523				
19. Compute Tt (Tt = L/(3600*V))		0.1680	+		=	0.17
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)						hr 0.20

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 12.23 Minute(s)

Use Time of Concentration = 12.30 Minute(s)

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Basin 'D-N' **Checked:** **Date:**

Circle One: Present

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Asphalt				
2. Mannings roughness coefficient, n (Table 3-1)		0.011				
3. Flow length, L (Total L ≤ 300 ft.)	ft	107				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0200				
5a. Land elevation for upper end of flow path		----				
5b. Land elevation for lower end of flow path		----				
6. Compute Tt	hr	0.0176	+		=	0.02

Sheet Flow (Applicable to Tc only)

		Segment ID				
1. Surface description (Table 3-1)		Grass				
2. Mannings roughness coefficient, n (Table 3-1)		0.24				
3. Flow length, L (Total L ≤ 300 ft.)	ft	0				
4. Two-yr 24-hr rainfall, P2	in	4.7				
5. Calculated Land Slope, s	ft/ft	0.0084				
5a. Land elevation for upper end of flow path		----				
5b. Land elevation for lower end of flow path		----				
6. Compute Tt	hr	0.0000	+		=	0.00

Shallow Concentrated Flow

		Segment ID				
7. Surface description (Paved or Unpaved)		Unpaved				
8. Flow length, L	ft	890				
9. Calculated watercourse slope, s	ft/ft	0.0050				
9a. Land elevation for upper end of flow path		44.50				
9b. Land elevation for lower end of flow path		39.00				
10. Average velocity, V (Figure 3-1)	ft/s	1.14				
11. Compute Tt (Tt = L/(3600*V))	hr	0.2167	+		=	0.22

Channel Flow

	Segment ID				
	to Outfall				
12. Cross sectional flow area, a	3.14				
13. Wetted perimeter, Pw	6.28				
14. Compute Hydraulic radius, r (r = a/Pw)	0.500				
15. Channel slope, s	0.0020				
16. Mannings roughness coefficient, n	0.012				
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	3.50				
18. Flow length, L	600				
19. Compute Tt (Tt = L/(3600*V))	0.0476448	+		=	0.05
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)				hr	0.28

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 16.92 Minute(s)

Use Time of Concentration = 17.00 Minute(s)

JACOBS

Made by: HDT Checked by:
Date: 13-Apr-11 Time: 5:21 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Ex. (Sunland) Park North**

Pre-Development Area Calculations

Impervious Area = 0.23 ac.
Pervious Area = 4.08 ac.
Water Surface Area = 0.30 ac.
Total Area = 4.61 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.23	22.54
80	4.08	326.40
100	0.30	30.00
Total =	4.61	378.94

$$\text{Weighted CN} = \frac{378.94}{4.61}$$

Weighted CN = 82.2

Soil Storage (S)

S = (1000 / CN) -10
S = 2.17 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.46 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.48 acre-feet

Post Development Area Calculations

Impervious Area = 0.23 ac.
Pervious Area = 4.08 ac.
Water Surface Area = 0.30 ac.
Total Area = 4.61 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.23	22.54
80	4.08	326.40
100	0.30	30.00
Total =	4.61	378.94

$$\text{Weighted CN} = \frac{378.94}{4.61}$$

Weighted CN = 82.2

Soil Storage (S)

S = (1000 / CN) -10
S = 2.17 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.46 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 2.48 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 2.48 ac.-ft. - 2.48 ac.-ft.

Attenuation Volumetric Difference = 0.00 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Ex. (Sunland) Park North **Checked:** **Date:**

Circle One: Present

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	107			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0164			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.019	+		= 0.02

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0084			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.000	+		= 0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	237			
9. Calculated watercourse slope, s	ft/ft	0.0084			
9a. Land elevation for upper end of flow path		----			
9b. Land elevation for lower end of flow path		----			
10. Average velocity, V (Figure 3-1)	ft/s	1.48			
11. Compute Tt (Tt = L/(3600*V))	hr	0.045	+		= 0.04

Channel Flow

	Segment ID			
	to Outfall			
12. Cross sectional flow area, a	35.00			
13. Wetted perimeter, Pw	24.62			
14. Compute Hydraulic radius, r (r = a/Pw)	1.422			
15. Channel slope, s	0.0005			
16. Mannings roughness coefficient, n	0.012			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	3.51			
18. Flow length, L	30			
19. Compute Tt (Tt = L/(3600*V))	0.002	+		= 0.00
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)				hr 0.07

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 3.96 Minute(s)

Use Time of Concentration = 10.00 Minute(s)

JACOBS

Made by: HDT Checked by: _____
Date: 26-Apr-11 Time: 1:01 AM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Ex. (Sunland) Park South**

Pre-Development Area Calculations

Impervious Area = 0.00 ac.
Pervious Area = 1.19 ac.
Total Area = 1.19 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.00	0.00
84	1.19	99.96
Total =	1.19	99.96

$$\text{Weighted CN} = \frac{99.96}{1.19}$$

Weighted CN = 84.0

Soil Storage (S)

S = (1000 / CN) -10
S = 1.90 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.67 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.66 acre-feet

Post Development Area Calculations

Impervious Area = 0.00 ac.
Pervious Area = 1.19 ac.
Total Area = 1.19 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.00	0.00
84	1.19	99.96
Total =	1.19	99.96

$$\text{Weighted CN} = \frac{99.96}{1.19}$$

Weighted CN = 84.0

Soil Storage (S)

S = (1000 / CN) -10
S = 1.90 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 6.67 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.66 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.66 ac.-ft. - 0.66 ac.-ft.

Attenuation Volumetric Difference = 0.00 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Ex. (Sunland) Park South **Checked:** **Date:**

Circle One: Present

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	110			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0227			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.0171	+		= 0.02

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	183			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0109			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.4053	+		= 0.41

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	113			
9. Calculated watercourse slope, s	ft/ft	0.0310			
9a. Land elevation for upper end of flow path		----			
9b. Land elevation for lower end of flow path		----			
10. Average velocity, V (Figure 3-1)	ft/s	2.84			
11. Compute Tt (Tt = L/(3600*V))	hr	0.0111	+		= 0.01

Channel Flow

	Segment ID				
		to Outfall			
12. Cross sectional flow area, a		3.14			
13. Wetted perimeter, Pw		6.28			
14. Compute Hydraulic radius, r (r = a/Pw)		0.500			
15. Channel slope, s		0.0020			
16. Mannings roughness coefficient, n		0.012			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		3.50			
18. Flow length, L		0			
19. Compute Tt (Tt = L/(3600*V))		7.941E-08	+		= 0.00
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)					hr 0.43

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 26.00 Minute(s)

Use Time of Concentration = 26.10 Minute(s)

JACOBS

Made by: HDT Checked by: _____
Date: 26-Apr-11 Time: 1:01 AM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Ex. 36" RCP Area**

Pre-Development Area Calculations

Impervious Area = 0.80 ac.
Pervious Area = 0.50 ac.
Total Area = 1.30 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.80	78.40
80	0.50	40.00
Total =	1.30	118.40

$$\text{Weighted CN} = \frac{118.40}{1.30}$$

Weighted CN = 91.1

Soil Storage (S)

S = (1000 / CN) -10
S = 0.98 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.53 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 0.82 acre-feet

Post Development Area Calculations

Impervious Area = 0.00 ac.
Pervious Area = 0.00 ac.
Total Area = 0.00 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.00	0.10
80	0.00	0.00
Total =	0.00	0.10

$$\text{Weighted CN} = \frac{0.10}{0.00}$$

Weighted CN = 98.0

AREA GOES TO SUB-SURFACE STORMWATER MANAGEMENT SYSTEM IN SUNLAND PARK SOUTH.

Soil Storage (S)

S = (1000 / CN) -10
S = 0.20 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.36 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.00 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.00 ac.-ft. - 0.82 ac.-ft.

Attenuation Volumetric Difference = -0.81 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Ex. Swales **Checked:** **Date:**

Circle One: Present

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficie n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	60			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0200			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.0111	+		= 0.01

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0050			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.0000	+		= 0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	1020			
9. Calculated watercourse slope, s	ft/ft	0.0050			
9a. Land elevation for upper end of flow path		----			
9b. Land elevation for lower end of flow path		----			
10. Average velocity, V (Figure 3-1)	ft/s	1.14			
11. Compute Tt (Tt = L/(3600*V))	hr	0.2483	+		= 0.25

Channel Flow

	Segment ID				
		to Outfall			
12. Cross sectional flow area, a		3.14			
13. Wetted perimeter, Pw		6.28			
14. Compute Hydraulic radius, r (r = a/Pw)		0.500			
15. Channel slope, s		0.0020			
16. Mannings roughness coefficient, n		0.012			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))		3.50			
18. Flow length, L		300			
19. Compute Tt (Tt = L/(3600*V))		0.0238224	+		= 0.02
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)					hr 0.28

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 16.99 Minute(s)

Use Time of Concentration = 17.00 Minute(s)

JACOBS

Made by: HDT Checked by: _____
Date: 26-Apr-11 Time: 1:01 AM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Ex. 30" RCP Area**

Pre-Development Area Calculations

Impervious Area = 2.53 ac.
Pervious Area = 1.59 ac.
Total Area = 4.12 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	2.53	247.94
80	1.59	127.20
Total =	4.12	375.14

$$\text{Weighted CN} = \frac{375.14}{4.12}$$

Weighted CN = 91.1

Soil Storage (S)

S = (1000 / CN) -10
S = 0.98 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.52 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.58 acre-feet

Post Development Area Calculations

Impervious Area = 0.00 ac.
Pervious Area = 0.00 ac.
Total Area = 0.00 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.00	0.10
80	0.00	0.00
Total =	0.00	0.10

$$\text{Weighted CN} = \frac{0.10}{0.00}$$

Weighted CN = 98.0

AREA GOES TO SUB-SURFACE STORMWATER MANAGEMENT SYSTEM IN SUNLAND PARK SOUTH.

Soil Storage (S)

S = (1000 / CN) -10
S = 0.20 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.36 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.00 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.00 ac.-ft. - 2.58 ac.-ft.

Attenuation Volumetric Difference = -2.58 Ac.-Ft.

JACOBS

Made by: HDT Checked by:
Date: 13-Apr-11 Time: 5:21 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Ex. 30" RCP Area**

Pre-Development Area Calculations

Impervious Area = 2.53 ac.
Pervious Area = 1.59 ac.
Total Area = 4.12 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	2.53	247.94
80	1.59	127.20
Total =	4.12	375.14

$$\text{Weighted CN} = \frac{375.14}{4.12}$$

Weighted CN = 91.1

Soil Storage (S)

S = (1000 / CN) -10
S = 0.98 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.52 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.58 acre-feet

Post Development Area Calculations

Impervious Area = 0.00 ac.
Pervious Area = 0.00 ac.
Total Area = 0.00 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	0.00	0.10
80	0.00	0.00
Total =	0.00	0.10

$$\text{Weighted CN} = \frac{0.10}{0.00}$$

Weighted CN = 98.0

Soil Storage (S)

S = (1000 / CN) -10
S = 0.20 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 8.36 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 0.00 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 0.00 ac.-ft. - 2.58 ac.-ft.

Attenuation Volumetric Difference = -2.58 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Ex. 30" RCP Area **Checked:** **Date:**

Circle One: Present

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	60			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0200			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.0111	+		= 0.01

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	100			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0193			
5a. Land elevation for upper end of flow path		----			
5b. Land elevation for lower end of flow path		----			
6. Compute Tt	hr	0.1991	+		= 0.20

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Unpaved			
8. Flow length, L	ft	1273			
9. Calculated watercourse slope, s	ft/ft	0.0190			
9a. Land elevation for upper end of flow path		----			
9b. Land elevation for lower end of flow path		----			
10. Average velocity, V (Figure 3-1)	ft/s	2.22			
11. Compute Tt (Tt = L/(3600*V))	hr	0.1590	+		= 0.16

Channel Flow

	Segment ID			
	to Outfall			
12. Cross sectional flow area, a	4.91			
13. Wetted perimeter, Pw	7.85			
14. Compute Hydraulic radius, r (r = a/Pw)	0.625			
15. Channel slope, s	0.0034			
16. Mannings roughness coefficient, n	0.012			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	5.29			
18. Flow length, L	162			
19. Compute Tt (Tt = L/(3600*V))	0.0085083	+		= 0.01
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)				hr 0.38

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 22.66 Minute(s)

Use Time of Concentration = 22.70 Minute(s)

JACOBS

Made by: HDT Checked by:
Date: 13-Apr-11 Time: 5:21 PM
Project No.: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

Pre and Post Development Soil Infiltration Calculations **Swale D-1 to D-5**

Pre-Development Area Calculations

Impervious Area = 1.79 ac.
Pervious Area = 1.45 ac.
Total Area = 3.24 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	1.79	175.42
80	1.45	116.00
Total =	3.24	291.42

$$\text{Weighted CN} = \frac{291.42}{3.24}$$

Weighted CN = 89.9

Soil Storage (S)

S = (1000 / CN) -10
S = 1.12 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.39 inches.

Runoff Volume

Vpre = (Q / 12)x Area Total
Vpre = 2.00 acre-feet

Post Development Area Calculations

Impervious Area = 1.58 ac.
Pervious Area = 1.65 ac.
Total Area = 3.23 ac.

Weighted Curve Number (CN)

CN	Area	CN * Area
98	1.58	154.84
80	1.65	132.00
Total =	3.23	286.84

$$\text{Weighted CN} = \frac{286.84}{3.23}$$

Weighted CN = 88.8

Soil Storage (S)

S = (1000 / CN) -10
S = 1.26 inches.

Precipitation (P)

$P_{25\text{-yr/24-hr}}$ = 8.6 inches.

Runoff (Q)

Q = (P - 0.2 x S)^2/ (P + 0.8 x S)
Q = 7.25 inches.

Runoff Volume

Vpost = (Q / 12)x Area Total
Vpost = 1.95 acre-feet

Attenuation Volumetric Difference = Vpost - Vpre = 1.95 ac.-ft. - 2.00 ac.-ft.

Attenuation Volumetric Difference = -0.04 Ac.-Ft.

Time of Concentration (Tc) or Travel Time (Tt)

Project: SR 15/600 - Seminole County, Florida **By:** HDT **Date:** 4/13/11
Location: Proposed Swales **Checked:** **Date:**

Circle One: Proposed

Circle One: Tc Tt through Subarea

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include map, schematic, or description of flow segments.

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Asphalt			
2. Mannings roughness coefficient, n (Table 3-1)		0.011			
3. Flow length, L (Total L ≤ 300 ft.)	ft	60			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0200			
5a. Land elevation for upper end of flow path		- - - -			
5b. Land elevation for lower end of flow path		- - - -			
6. Compute Tt	hr	0.0111	+		= 0.01

Sheet Flow (Applicable to Tc only)

		Segment ID			
1. Surface description (Table 3-1)		Grass			
2. Mannings roughness coefficient, n (Table 3-1)		0.24			
3. Flow length, L (Total L ≤ 300 ft.)	ft	0			
4. Two-yr 24-hr rainfall, P2	in	4.7			
5. Calculated Land Slope, s	ft/ft	0.0050			
5a. Land elevation for upper end of flow path		- - - -			
5b. Land elevation for lower end of flow path		- - - -			
6. Compute Tt	hr	0.0000	+		= 0.00

Shallow Concentrated Flow

		Segment ID			
7. Surface description (Paved or Unpaved)		Paved			
8. Flow length, L	ft	560			
9. Calculated watercourse slope, s	ft/ft	0.0100			
9a. Land elevation for upper end of flow path		- - - -			
9b. Land elevation for lower end of flow path		- - - -			
10. Average velocity, V (Figure 3-1)	ft/s	2.03			
11. Compute Tt (Tt = L/(3600*V))	hr	0.0765	+		= 0.08

Channel Flow

	Segment ID			
12. Cross sectional flow area, a	to Outfall			
13. Wetted perimeter, Pw	26.00			
14. Compute Hydraulic radius, r (r = a/Pw)	21.49			
15. Channel slope, s	1.210			
16. Mannings roughness coefficient, n	0.0020			
17. Compute V (V = (1.49/n)*(r^(2/3))*(s^0.5))	0.012			
18. Flow length, L	6.30			
19. Compute Tt (Tt = L/(3600*V))	880			
20. Watershed or subarea Tc or Tt (add Tt in steps 6, 11, and 19)	0.0387735	+		= 0.04
				hr 0.13

Reference: Urban Hydrology for Small Watersheds
Technical Release 55, Natural Resources Conservation Service
U.S. Department of Agriculture

Time of Concentration = 7.58 Minute(s)

Use Time of Concentration = 10.00 Minute(s)

JACOBS

Made by: HDT Ch'd by:

DATE: May 2 2011 TIME: 8:58 PM

JCB Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

ESTIMATED SEASONAL HIGH GROUNDWATER DETERMINATION

NODE NAME: **Basin 'D-S'**

Sunland Park South Seasonal High Water Table Estimate

STATION	OFFSET (ft)	GROUND SURFACE ELEVATION (ft NAVD)	ENCOUNTERED GROUNDWATER ELEVATION (ft NAVD)	ESTIMATED SEASONAL HIGH GROUNDWATER (ft NAVD)	AVERAGE SEASONAL HIGH GROUNDWATER (ft NAVD)
821+92.00	193 RT	37.50	34.00	35.50	34.0
822+95.00	269 RT	36.50	33.00	34.00	
824+00.00	65 RT	40.00	34.50	36.20	
Cross Drain Stain				30.40	

USE AN ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL OF 34.00 ft. NAVD

Sta. 824+00 from roadway borings, Cross Drain Stain is located at the outfall of Sunland Creek.

JACOBS

Made by: HDT Ch'd by:

DATE: May 2 2011 TIME: 8:58 PM

JCB Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

ESTIMATED SEASONAL HIGH GROUNDWATER DETERMINATION

NODE NAME: **Basin 'D-N'**

Sunland Park North Seasonal High Water Table Estimate

STATION	OFFSET (ft)	GROUND SURFACE ELEVATION (ft NAVD)	ENCOUNTERED GROUNDWATER ELEVATION (ft NAVD)	ESTIMATED SEASONAL HIGH GROUNDWATER (ft NAVD)	AVERAGE SEASONAL HIGH GROUNDWATER (ft NAVD)
825+79.00	202 RT	36.00	32.70	34.00	
827+77.00	197 RT	35.50	32.20	33.50	
827+00.00	80 RT	34.00	33.00	33.00	33.3
828+00.00	80 RT	33.80	33.00	32.60	

USE AN ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL OF 33.30 ft. NAVD

Sta. 827+00 and Sta. 828+00 from roadway borings.

JACOBS

Made by: HDT Ch'd by: _____
Date: May 4 2011 Time: 12:02 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 - Seminole County, Florida**

DITCH CELL CALCULATIONS

Ditch Cell	Stage	Area	Avg. Area	Incre Depth	Incre Vol.	Storage	
D-1	38.00	267.50 SQ.FT.	133.75 SQ.FT.	0.00	0.00 cu. ft.	0.00 cu. ft.	0.000 ac.-ft.
	39.00	872.00 SQ.FT.	569.75 SQ.FT.	1.00	569.75 cu. ft.	569.75 cu. ft.	0.013 ac.-ft.
	40.00	1,452.30 SQ.FT.	1,162.15 SQ.FT.	1.00	1,162.15 cu. ft.	1,731.90 cu. ft.	0.040 ac.-ft.
	41.00	2,089.10 SQ.FT.	1,770.70 SQ.FT.	1.00	1,770.70 cu. ft.	1,770.70 cu. ft.	0.041 ac.-ft.
D-2	36.00	60.70 SQ.FT.	---	---	---	0.00 cu. ft.	0.000 ac.-ft.
	37.00	666.50 SQ.FT.	363.60 SQ.FT.	1.00	363.60 cu. ft.	363.60 cu. ft.	0.008 ac.-ft.
	38.00	1,967.10 SQ.FT.	1,316.80 SQ.FT.	1.00	1,316.80 cu. ft.	1,680.40 cu. ft.	0.039 ac.-ft.
	39.00	3,152.50 SQ.FT.	3,152.50 SQ.FT.	0.00	0.00 cu. ft.	1,680.40 cu. ft.	0.039 ac.-ft.
D-3	36.00	752.60 SQ.FT.	---	---	---	0.00 cu. ft.	0.000 ac.-ft.
	37.00	2,253.70 SQ.FT.	1,503.15 SQ.FT.	1.00	1,503.15 cu. ft.	1,503.15 cu. ft.	0.035 ac.-ft.
	38.00	3,767.70 SQ.FT.	3,010.70 SQ.FT.	1.00	3,010.70 cu. ft.	4,513.85 cu. ft.	0.104 ac.-ft.
	39.00	5,338.20 SQ.FT.	5,338.20 SQ.FT.	0.00	0.00 cu. ft.	4,513.85 cu. ft.	0.104 ac.-ft.
D-4	36.00	1,996.10 SQ.FT.	---	---	---	0.00 cu. ft.	0.000 ac.-ft.
	37.00	4,266.50 SQ.FT.	3,131.30 SQ.FT.	1.00	3,131.30 cu. ft.	3,131.30 cu. ft.	0.072 ac.-ft.
	38.00	6,593.40 SQ.FT.	5,429.95 SQ.FT.	1.00	5,429.95 cu. ft.	8,561.25 cu. ft.	0.197 ac.-ft.
	39.00	8,976.90 SQ.FT.	8,976.90 SQ.FT.	0.00	0.00 cu. ft.	8,561.25 cu. ft.	0.197 ac.-ft.
D-5	36.00	181.50 SQ.FT.	---	---	---	0.00 cu. ft.	0.000 ac.-ft.
	37.00	454.30 SQ.FT.	317.90 SQ.FT.	1.00	317.90 cu. ft.	317.90 cu. ft.	0.007 ac.-ft.
	38.00	783.60 SQ.FT.	783.60 SQ.FT.	0.00	0.00 cu. ft.	936.85 cu. ft.	0.022 ac.-ft.

Ditch Cell	Stage	Storage
Swale D-1 to D-5	36.00	0.000 ac.-ft.
	37.00	0.122 ac.-ft.
	38.00	0.360 ac.-ft.
	39.00	0.912 ac.-ft.

REQUIRED TREATMENT VOLUME =	0.165 ac.-ft.	7,169.0 CU. FT.
TREATMENT STAGE =	37.18 ft.	
TREATMENT VOLUME in Swale D-5 =	0.010 ac.-ft.	428.4 CU. FT.
TREATMENT VOLUME in Swale D-4 =	0.094 ac.-ft.	4,101.1 CU. FT.
TREATMENT VOLUME in Swale D-3 =	0.047 ac.-ft.	2,040.9 CU. FT.
TREATMENT VOLUME in Swale D-2 =	0.014 ac.-ft.	598.8 CU. FT.
STAGE in Swale D-1 =	39.00	
TREATMENT VOLUME in Swale D-1 =	0.013 ac.-ft.	569.8 CU. FT.
		==========
PROVIDED TREATMENT VOLUME =	0.178 ac.-ft.	7,739.0 CU. FT.

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Date: May 5 2011 Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

BASIN AREA CALCULATIONS

Basin Designation	AREA TOTAL	AREA imperv.	AREA perv.	AREA ws
Swale D-1 to D-5	3.10 ac.	1.63 ac.	1.47 ac.	0.00 ac.
TOTALS =	3.10 ac.	1.63 ac.	1.47 ac.	0.00 ac.

GEOTECHNICAL FIELD DATA

STRATUM	DESCRIPTION	PERMEABILITY, K	ESTIMATED SOIL POROSITY	SAFETY FACTOR	Kvs = K x 3600/2.54/FS	Kvu = 2/3 x Kvs	Kh = 1.5 x Kvu
1	LT GRAYISH BROWN FINE SAND w/ SILT	0.0011 cm/sec.	20.00%	2	0.8 in/hr	0.5 in/hr	0.8 in/hr
2	LT GRAYISH BROWN FINE SAND w/ SILT	0.0011 cm/sec.	20.00%	2	0.8 in/hr	0.5 in/hr	0.8 in/hr
					OVERALL Kvu = MEAN Kvu =	0.5 in/hr or	1.0 ft./day
					OVERALL Kh = MEAN Kh =	0.8 in/hr or	1.5 ft./day

SWALE DESIGN

SWALE NUMBER	SWALE LENGTH	SWALE BOTTOM WIDTH	SWALE HEIGHT	SWALE ' f '	SWALE BOTTOM EL.	Between SHWT & NWL
D-5	98.00 FT.	5.00 FT.	1.18 FT.	0.200	36.00 FT.	35.00 FT.
D-4	192.00 FT.	8.00 FT.	1.18 FT.	0.200	36.00 FT.	35.00 FT.
D-3	228.00 FT.	4.00 FT.	1.18 FT.	0.200	36.00 FT.	35.00 FT.
D-2	347.00 FT.	4.00 FT.	1.18 FT.	0.200	36.00 FT.	35.00 FT.
D-1	62.00 FT.	5.00 FT.	1.00 FT.	0.200	38.00 FT.	36.00 FT.

* Effective Length determined using CADD to establish swale bottom length for recovery.

SWALE NUMBER	EFFECTIVE SWALE LENGTH*	SWALE BOTTOM WIDTH	VOLUME IN SWALE(S)
D-5	55.00 FT.	5.00 FT.	428.4 Cu-Ft.
D-4	105.00 FT.	8.00 FT.	4,101.1 Cu-Ft.
D-3	196.00 FT.	4.00 FT.	2,040.9 Cu-Ft.
D-2	332.00 FT.	4.00 FT.	598.8 Cu-Ft.
D-1	45.00 FT.	5.00 FT.	569.8 Cu-Ft.

CUMULATIVE SWALE TREATMENT VOLUME = 7,739.0 Cu-Ft. 0.178 ac.-ft. OK!!!

REQUIRED TREATMENT VOLUME = 7,169.0 Cu-Ft. 0.165 ac.-ft.

JACOBS

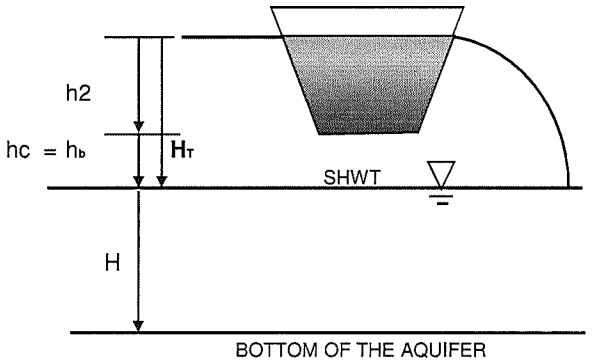
Made by: HDT | Ch'd by: _____
Date: May 5 2011 | Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**D-1**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	36.00 ft.
SWALE BOTTOM ELEVATION =	38.00 ft.
SWALE TOP ELEVATION =	39.00 ft.
TOTAL SWALE HEIGHT =	1.00 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	26.00 ft.
hb =	2.00 ft.
POROSITY OF EXISTING SOILS, f =	0.25
hu = f x hb =	0.50
USE THE EFFECTIVE SWALE LENGTH =	45.00 ft.
SWALE WIDTH =	5.00 ft.
Vu = L*W*f*hb =	112.5 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**1.00 Days**
Total Volume =	569.8 Cu-Ft.
Vu = L*W*f*hb =	112.5 Cu-Ft.
Remaining Volume =	457.3 Cu-Ft.
Remaining Stage =	38.80 ft.
hc =	2.00 ft.
h2 =	0.80 ft.
HT = hb+h2 =	2.80 ft.
Fy = hc / HT =	0.71
L / W =	9.00
Fx =	**1.00**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	11.00 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.38 Days**
t saturation = hb * f / Id =	1.00 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.38 Days
Total Days =	**1.38 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	38.00 ft.
569.8 Cu-Ft.	39.00 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

JACOBS

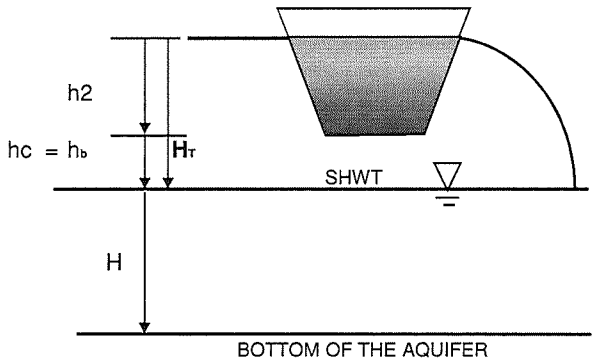
Made by: HDT | Ch'd by:
Date: May 5 2011 | Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**D-2**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	35.00 ft.
SWALE BOTTOM ELEVATION =	36.00 ft.
SWALE TOP ELEVATION =	37.18 ft.
TOTAL SWALE HEIGHT =	1.18 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	25.00 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.25
hu = f x hb =	0.25
USE THE EFFECTIVE SWALE LENGTH =	332.00 ft.
SWALE WIDTH =	4.00 ft.
Vu = L*W*f*hb =	332.0 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.50 Days**
Total Volume =	598.8 Cu-Ft.
Vu = L*W*f*hb =	332.0 Cu-Ft.
Remaining Volume =	266.8 Cu-Ft.
Remaining Stage =	36.53 ft.
hc =	1.00 ft.
h2 =	0.53 ft.
HT = hb+h2 =	1.53 ft.
Fy = hc / HT =	0.66
L / W =	83.00
Fx =	**0.60**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.71 Days**
t saturation = hb * f / Id =	0.50 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.71 Days
Total Days =	**1.21 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	36.00 ft.
598.8 Cu-Ft.	37.18 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

JACOBS

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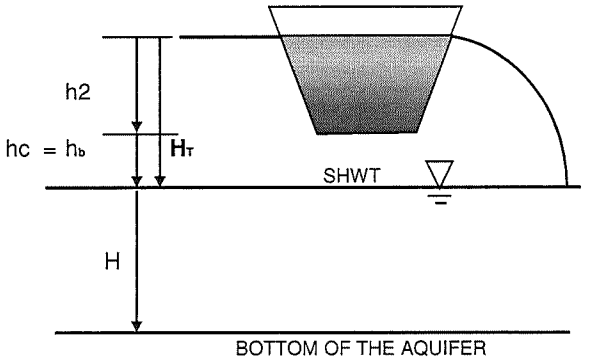
Date: May 5 2011 | Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**D-3**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	35.00 ft.
SWALE BOTTOM ELEVATION =	36.00 ft.
SWALE TOP ELEVATION =	37.18 ft.
TOTAL SWALE HEIGHT =	1.18 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	25.00 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f x hb =	0.20
USE THE EFFECTIVE SWALE LENGTH =	196.00 ft.
SWALE WIDTH =	4.00 ft.
Vu = L*W*f*hb =	156.8 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.40 Days**
Total Volume =	2,040.9 Cu-Ft.
Vu = L*W*f*hb =	156.8 Cu-Ft.
Remaining Volume =	1,884.1 Cu-Ft.
Remaining Stage =	37.09 ft.
hc =	1.00 ft.
h2 =	1.09 ft.
HT = hb+h2 =	2.09 ft.
Fy = hc / HT =	0.48
L / W =	49.00
Fx =	**0.65**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.60 Days**
t saturation = hb * f / Id =	0.40 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.60 Days
Total Days =	**1.00 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	36.00 ft.
2,040.9 Cu-Ft.	37.18 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

JACOBS

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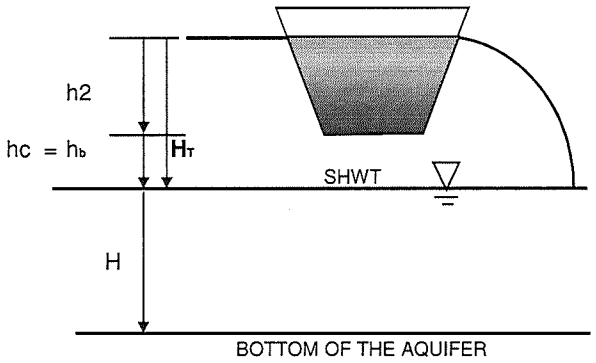
Date: May 5 2011 | Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**D-4**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	35.00 ft.
SWALE BOTTOM ELEVATION =	36.00 ft.
SWALE TOP ELEVATION =	37.18 ft.
TOTAL SWALE HEIGHT =	1.18 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	25.00 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f x hb =	0.20
USE THE EFFECTIVE SWALE LENGTH =	105.00 ft.
SWALE WIDTH =	8.00 ft.
Vu = L*W*f*hb =	168.0 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.40 Days**
Total Volume =	4,101.1 Cu-Ft.
Vu = L*W*f*hb =	168.0 Cu-Ft.
Remaining Volume =	3,933.1 Cu-Ft.
Remaining Stage =	37.13 ft.
hc =	1.00 ft.
h2 =	1.13 ft.
HT = hb+h2 =	2.13 ft.
Fy = hc / HT =	0.47
L / W =	13.13
Fx =	**0.70**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**2.07 Days**
t saturation = hb * f / Id =	0.40 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	2.07 Days
Total Days =	**2.47 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	36.00 ft.
4,101.1 Cu-Ft.	37.18 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20.

JACOBS

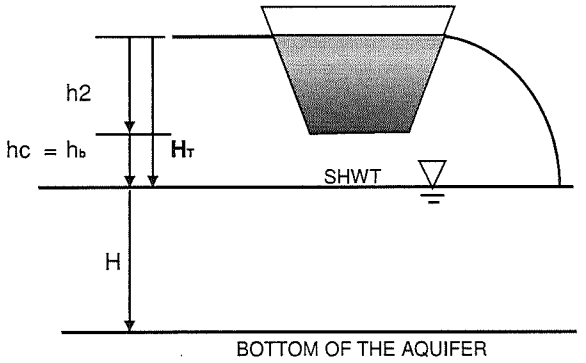
Made by: HDT | Ch'd by:
Date: May 5 2011 | Time: 4:55 PM
Project Number: 24019601

PROJECT: **SR 15/600 - Seminole County**

SWALE DESIGN (continued)

The following input and output is a result of using the St. Johns River Water Management District Equations for Exfiltration Recovery.

SWALE NUMBER:	**D-5**
SEASONAL HIGH GROUNDWATER TABLE LEVEL =	35.00 ft.
SWALE BOTTOM ELEVATION =	36.00 ft.
SWALE TOP ELEVATION =	37.18 ft.
TOTAL SWALE HEIGHT =	1.18 ft.
ESTIMATED ELEVATION @ AQUIFER DEPTH =	25.00 ft.
hb =	1.00 ft.
POROSITY OF EXISTING SOILS, f =	0.20
hu = f x hb =	0.20
USE THE EFFECTIVE SWALE LENGTH =	55.00 ft.
SWALE WIDTH =	5.00 ft.
Vu = L*W*f*hb =	55.0 Cu-Ft.
Kvu =	1.0 ft./day
Id = Kvu / 2 =	0.50
t saturation = hb * f / Id =	**0.40 Days**
Total Volume =	428.4 Cu-Ft.
Vu = L*W*f*hb =	55.0 Cu-Ft.
Remaining Volume =	373.4 Cu-Ft.
Remaining Stage =	37.03 ft.
hc =	1.00 ft.
h2 =	1.03 ft.
HT = hb+h2 =	2.03 ft.
Fy = hc / HT =	0.49
L / W =	11.00
Fx =	**0.70**
H = SHWT - top of aquiclude =	10.00 ft.
D = H + hc / 2 =	10.50 ft.
t = W^2 / (4 * Kh * D * (Fx^2)) =	**0.81 Days**
t saturation = hb * f / Id =	0.40 Days
t = W^2 / (4 * Kh * D * (Fx^2)) =	0.81 Days
Total Days =	**1.21 Days**



SWALE	
VOLUME	**STAGE**
0.0 Cu-Ft.	36.00 ft.
428.4 Cu-Ft.	37.18 ft.

Fx is determined using the SJRWMD Handbook Figure 26-6 for the f = 0.20

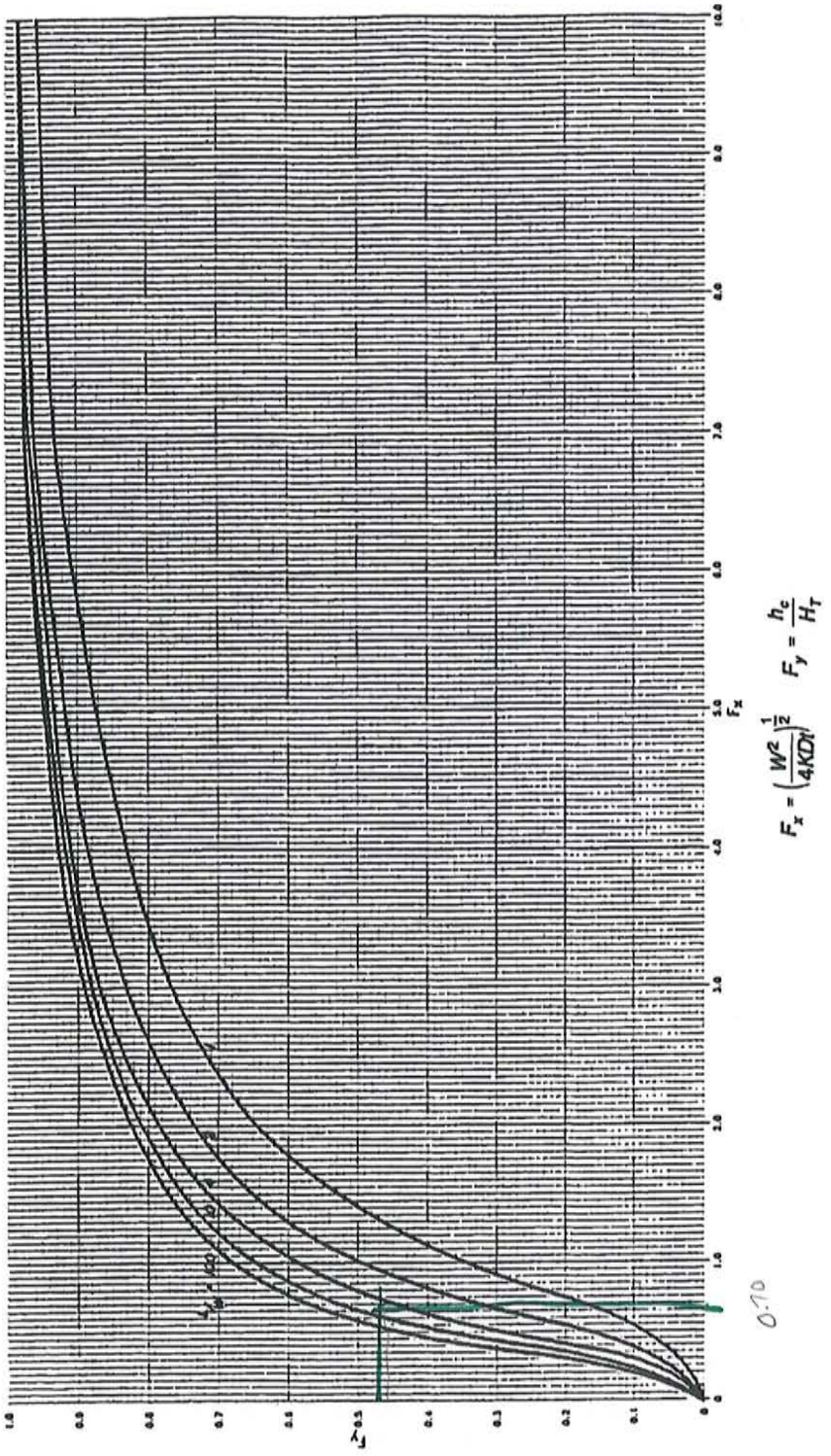


Figure 26-6. Dimensionless Curves Relating Basin Design Parameters to Basin Water Level in a Rectangular Retention Basin Over an Unconfined Aquifer ($f = 0.2$) (Source: Andreyev and Wiseman, 1989).

Review of Pavement Grades

PSI has reviewed pavement grades for the subject project. Based on our review of the preliminary 60 percent plans, we are of the opinion a change in proposed pavement grades should be implemented in the following areas due to a clearance between pavement base and estimated seasonal high groundwater of less than 12 inches. The limits may be increased as necessary to simplify construction.

Stations	Sides
799+00 to 807+00	Left
810+00 to 812+00	Left
839+00 to 840+00	Left

In other areas where the estimated clearance is between 12 and 24 inches, we recommend a black base course be used. These areas will be addressed in more details in the 90 percent submittal.

Stormwater Retention

PSI performed a series of auger borings and falling-head field permeability tests in the proposed stormwater pond site located at Sunland Park. The following table presents the location of the tests, encountered groundwater levels, estimated normal seasonal high groundwater levels, and the results of the falling-head field permeability testing.

TABLE 1
SUMMARY OF PERMEABILITY TEST RESULTS

Boring/Perm No.	S.R. 15 Baseline Survey		Pond/Basin No.	Encountered Groundwater Depth (feet)	Estimated Seasonal High Groundwater Depth (feet)	Depth Tested (feet)	Measured Coefficient of Vertical Permeability, K_v (feet/day)
	Station (feet)	Offset (feet)					
AB-1-SP/P-1	821+92	193 RT	Sunland Park	3.5	2.0	2.5	9
AB-4-SP/P-2	822+95	269 RT	Sunland Park	3.5	2.5	2.5	3.8
AB-6-SP/P-3	825+79	202 RT	Sunland Park	3.3	2.0	2.5	3.4
AB-8-SP/P-4	827+77	197 RT	Sunland Park	3.5	2.0	2.5	3.4

Notes: 1. $K_h = 1.5\ K_v$ (1.5 is recommended for sands).

2. Mean coefficient of permeability km = $\sqrt{K_h * K_v}$

3. Transformation Ratio (m) = $\sqrt{K_h / K_v}$

South System:

$K_v = \frac{9 + 3.8 = 12.8}{2\ (S.F.)} \rightarrow \frac{6.4}{2} = 3.2$ ft/day

$k_h = 1.5\ K_v = 4.8$ ft/day

North System:

$K_v = \frac{3.4}{2}\ (S.F.) = 1.7$ ft/day

$K_h = 1.7 * 1.5$

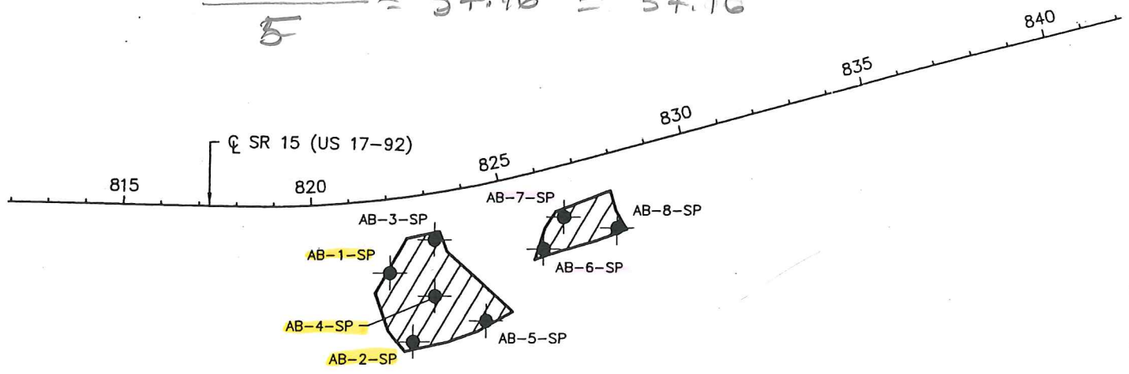
$K_h = 2.55$ ft/day

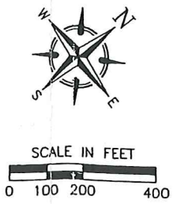
SHWT "Control Elevation" - North

AB-7 = 34.222
AB-6 = 33.963

AB-8 36.271
RDWY 33.00
RDWY 33.35

$\frac{170.806}{5} = 34.16 \doteq 34.16$



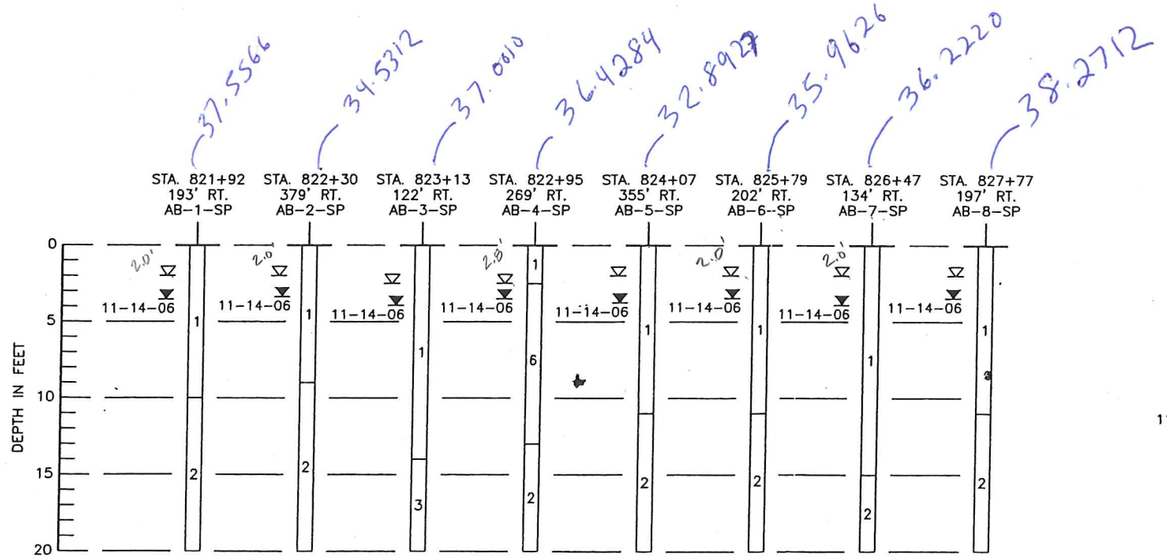


40C-42
13.8

SHWT "Control Elevation-South"

AB-1 35.557
AB-4 33.628
AB-2 32.531
Stain on exist cross drain = 30.40

$\frac{132.1116}{4} = 33.03 \doteq 33.00$



LEGEND

1	Light brown to dark gray fine SAND to fine sand with silt, occasional limerock, (A-3)
2	Light to dark orange--brown silty fine SAND, (A-2-4)
3	Gray clayey fine SAND, (A-2-6)
6	Dark brown organic fine SAND, (A-8)
(A-3)	A.A.S.H.T.O. soil classification group symbol
11-14-06	Depth to groundwater level in feet with date of reading
	Estimated seasonal high groundwater level
	Approximate location of auger boring

Petroleum-like odor was identified at boring AB-1-SP @ depth of 5 to 10 feet.

PONDS AT SUNLAND PARK

REVISIONS					
Date	By	Description	Date	By	Description

ENGINEER OF RECORD:
MUSTAPHA A. ABBOUD, P.E. #56112
PROFESSIONAL SERVICE INDUSTRIES, INC.
1748 33RD STREET
ORLANDO, FLORIDA 32839
(407)304-5560

LOGO: PSI Information To Build On
Engineering · Consulting · Testing
CERTIFICATE OF AUTHORIZATION No. 00003684

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
15	SEMINOLE	240196-1

POND AUGER BORING PROFILES
S.R. 15/600 FROM SHEPARD ROAD TO LAKE MARY BOULEVARD
SEMINOLE COUNTY, FLORIDA

SHEET NO.

PSI PROJECT No. 757-65133
SHEET: 10

Stormwater Retention

PSI performed a series of auger borings and falling-head field permeability tests in the proposed stormwater pond site located at Sunland Park. The following table presents the location of the tests, encountered groundwater levels, estimated normal seasonal high groundwater levels, and the results of the falling-head field permeability testing.

TABLE 1
SUMMARY OF PERMEABILITY TEST RESULTS

Boring/Perm No.	S.R. 15 Baseline Survey		Pond/Basin No.	Encountered Groundwater Depth (feet)	Estimated Seasonal High Groundwater Depth (feet)	Depth Tested (feet)	Measured Coefficient of Vertical Permeability, K_v (feet/day)
	Station (feet)	Offset (feet)					
AB-1-SP/P-1	821+92	193 RT	Sunland Park	3.5	2.0	2.5	9
AB-4-SP/P-2	822+95	269 RT	Sunland Park	3.5	2.5	2.5	3.8
AB-6-SP/P-3	825+79	202 RT	Sunland Park	3.3	2.0	2.5	3.4
AB-8-SP/P-4	827+77	197 RT	Sunland Park	3.5	2.0	2.5	3.4

Notes: 1. $K_h = 1.5\ K_v$ (1.5 is recommended for sands).

2. Mean coefficient of permeability km = $\sqrt{K_h * K_v}$

3. Transformation Ratio (m) = $\sqrt{K_h / K_v}$

$\frac{9.0 + 3.8}{2} = 6.4$ SF of 2 = 3.2

South = $K_h = 1.5(3.2) = 4.8$ ft/day

The measured permeability rates presented are based on the actual test results. The pond designer should incorporate a factor of safety in the design of ponds. The proposed stormwater ponds should be designed in accordance with FDOT and Water Management District criteria.

The results of the borings performed for the stormwater ponds are presented on **Sheets 3** through **10** in **Appendix B**.

ENVIRONMENTAL CLASSIFICATION

We performed corrosion tests on recovered soil samples obtained from the borings performed along the roadway alignment and proposed pond locations. The test results are presented in **Table 3** in **Appendix A**.

K_v (North) $\frac{3.4 + 3.4}{2} = 3.4$ SF of 2 = 1.7

K_h (North) = $1.5(K_{v(N)}) = 1.5(1.7) = 2.55$ ft./day

Number of chambers - 960
Voids in the stone (porosity) - 0.45
Base of Stone Elevation - 35.00

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STREAMLINE TECHNOLOGIES

Stage-Area Table for ICPR

4/14/2011

SR 15/600 - Seminole County, Florida

Sunland Park South Subsurface Facility

StormTech SC 310 Incremental Storage Volumes

43560

Weir Elevation = 37.77
Use Weir Elevation = 37.83

Required Treatment = 36663.0 cu ft
Provided Treatment = 36793.2 cu ft
0.84 ac-ft.

Height of System (in)	Incremental Chamber (ft^3)	Incremental Stone (ft^3)	Incremental Ch & St (ft^3)	Cumulative Chamber (ft^3)	Cumulative System (ft^3)	Elevation	Average Surface Area (ft^2)
40	0	0.89	0.89	43.70	41,953.34	38.33	10,248.00
39	0	0.89	0.89	42.81	41,099.34	38.25	10,248.00
38	0	0.89	0.89	41.92	40,245.34	38.17	10,248.00
37	0	0.89	0.89	41.03	39,391.34	38.08	10,248.00
36	0	0.89	0.89	40.14	38,537.34	38.00	10,248.00
35	0	0.89	0.89	39.25	37,683.34	37.92	10,248.00
34	0.06	0.86	0.92	38.36	36,829.34	37.83	10,620.57
33	0.15	0.82	0.97	37.44	35,944.29	37.75	11,228.26
32	0.27	0.77	1.04	36.47	35,008.61	37.67	11,932.50
31	0.54	0.64	1.19	35.43	34,014.23	37.58	13,699.80
30	0.70	0.57	1.28	34.24	32,872.58	37.50	14,708.82
29	0.82	0.52	1.34	32.97	31,646.85	37.42	15,472.23
28	0.92	0.47	1.40	31.62	30,357.49	37.33	16,105.99
27	1.01	0.43	1.45	30.22	29,015.33	37.25	16,679.02
26	1.09	0.40	1.49	28.78	27,625.41	37.17	17,183.09
25	1.15	0.37	1.52	27.28	26,193.49	37.08	17,561.53
24	1.21	0.34	1.56	25.76	24,730.02	37.00	17,945.86
23	1.27	0.32	1.59	24.20	23,234.54	36.92	18,325.65
22	1.32	0.29	1.62	22.61	21,707.40	36.83	18,640.44
21	1.36	0.28	1.64	20.99	20,154.03	36.75	18,896.55
20	1.40	0.26	1.66	19.35	18,579.32	36.67	19,150.06
19	1.43	0.24	1.68	17.69	16,983.48	36.58	19,337.74
18	0	0.89	0.89	16.01	15,372.00	36.50	10,248.00
17	0	0.89	0.89	15.12	14,518.00	36.42	10,248.00
16	0	0.89	0.89	14.23	13,664.00	36.33	10,248.00
15	0	0.89	0.89	13.34	12,810.00	36.25	10,248.00
14	0	0.89	0.89	12.45	11,956.00	36.17	10,248.00
13	0	0.89	0.89	11.56	11,102.00	36.08	10,248.00
12	0	0.89	0.89	10.68	10,248.00	36.00	10,248.00
11	0	0.89	0.89	9.79	9,394.00	35.92	10,248.00
10	0	0.89	0.89	8.90	8,540.00	35.83	10,248.00
9	0	0.89	0.89	8.01	7,686.00	35.75	10,248.00
8	0	0.89	0.89	7.12	6,832.00	35.67	10,248.00
7	0	0.89	0.89	6.23	5,978.00	35.58	10,248.00
6	0	0.89	0.89	5.34	5,124.00	35.50	10,248.00
5	0	0.89	0.89	4.45	4,270.00	35.42	10,248.00
4	0	0.89	0.89	3.56	3,416.00	35.33	10,248.00
3	0	0.89	0.89	2.67	2,562.00	35.25	10,248.00
2	0	0.89	0.89	1.78	1,708.00	35.17	10,248.00
1	0	0.89	0.89	0.89	854.00	35.08	10,248.00

Total Chamber Storage = 14.7 ft^3

Elevation	Average Surface Area (ft^2)	Average Surface Area (ac)
35.00	10248.00	0.235262
35.08	10248.00	0.235262
35.17	10248.00	0.235262
35.25	10248.00	0.235262
35.33	10248.00	0.235262
35.42	10248.00	0.235262
35.50	10248.00	0.235262
35.58	10248.00	0.235262
35.67	10248.00	0.235262
35.75	10248.00	0.235262
35.83	10248.00	0.235262
35.92	10248.00	0.235262
36.00	10248.00	0.235262
36.08	10248.00	0.235262
36.17	10248.00	0.235262
36.25	10248.00	0.235262
36.33	10248.00	0.235262
36.42	10248.00	0.235262
36.50	10248.00	0.235262
36.58	19337.74	0.443933
36.67	19150.06	0.439625
36.75	18896.55	0.433805
36.83	18640.44	0.427926
36.92	18325.65	0.420699
37.00	17945.86	0.411980
37.08	17561.53	0.403157
37.17	17183.09	0.394469
37.25	16679.02	0.382898
37.33	16105.99	0.369743
37.42	15472.23	0.355193
37.50	14708.82	0.337668
37.58	13699.80	0.314504
37.67	11932.50	0.273933
37.75	11228.26	0.257765
37.83	10620.57	0.243815
37.92	10248.00	0.235262
38.00	10248.00	0.235262
38.08	10248.00	0.235262
38.17	10248.00	0.235262
38.25	10248.00	0.235262
38.33	10248.00	0.235262

Ave Area	delta Depth	Incre Storage	Cum Storage	
0.00 ac.	0.00 ft.	0.00 ac-ft	0.000 ac-ft	-
0.24 ac.	0.08 ft.	0.02 ac-ft	0.019 ac-ft	819.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.040 ac-ft	1,742.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.059 ac-ft	2,562.00
0.24 ac.	0.08 ft.	0.02 ac-ft	0.078 ac-ft	3,381.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.099 ac-ft	4,304.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.118 ac-ft	5,124.00
0.24 ac.	0.08 ft.	0.02 ac-ft	0.136 ac-ft	5,943.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.158 ac-ft	6,866.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.176 ac-ft	7,686.00
0.24 ac.	0.08 ft.	0.02 ac-ft	0.195 ac-ft	8,505.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.216 ac-ft	9,428.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.235 ac-ft	10,248.00
0.24 ac.	0.08 ft.	0.02 ac-ft	0.254 ac-ft	11,067.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.275 ac-ft	11,990.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.294 ac-ft	12,810.00
0.24 ac.	0.08 ft.	0.02 ac-ft	0.313 ac-ft	13,629.84
0.24 ac.	0.09 ft.	0.02 ac-ft	0.334 ac-ft	14,552.16
0.24 ac.	0.08 ft.	0.02 ac-ft	0.353 ac-ft	15,372.00
0.34 ac.	0.08 ft.	0.03 ac-ft	0.380 ac-ft	16,555.43
0.44 ac.	0.09 ft.	0.04 ac-ft	0.420 ac-ft	18,287.38
0.44 ac.	0.08 ft.	0.03 ac-ft	0.455 ac-ft	19,809.24
0.43 ac.	0.08 ft.	0.03 ac-ft	0.489 ac-ft	21,310.72
0.42 ac.	0.09 ft.	0.04 ac-ft	0.527 ac-ft	22,974.20
0.42 ac.	0.08 ft.	0.03 ac-ft	0.561 ac-ft	24,425.06
0.41 ac.	0.08 ft.	0.03 ac-ft	0.593 ac-ft	25,845.35
0.40 ac.	0.09 ft.	0.04 ac-ft	0.629 ac-ft	27,408.86
0.39 ac.	0.08 ft.	0.03 ac-ft	0.660 ac-ft	28,763.35
0.38 ac.	0.08 ft.	0.03 ac-ft	0.690 ac-ft	30,074.75
0.36 ac.	0.09 ft.	0.03 ac-ft	0.723 ac-ft	31,495.77
0.35 ac.	0.08 ft.	0.03 ac-ft	0.751 ac-ft	32,703.01
0.33 ac.	0.08 ft.	0.03 ac-ft	0.777 ac-ft	33,839.35
0.29 ac.	0.09 ft.	0.03 ac-ft	0.803 ac-ft	34,992.81
0.27 ac.	0.08 ft.	0.02 ac-ft	0.825 ac-ft	35,919.24
0.25 ac.	0.08 ft.	0.02 ac-ft	0.845 ac-ft	36,793.19
0.24 ac.	0.09 ft.	0.02 ac-ft	0.866 ac-ft	37,732.28
0.24 ac.	0.08 ft.	0.02 ac-ft	0.885 ac-ft	38,552.12
0.24 ac.	0.08 ft.	0.02 ac-ft	0.904 ac-ft	39,371.96
0.24 ac.	0.09 ft.	0.02 ac-ft	0.925 ac-ft	40,294.28
0.24 ac.	0.08 ft.	0.02 ac-ft	0.944 ac-ft	41,114.12
0.24 ac.	0.08 ft.	0.02 ac-ft	0.963 ac-ft	41,933.96

PONDS Version 3.2.0239
Retention Pond Recovery - Refined Method
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Project Data

Project Name:	SR 15/600 - Sunland Park South
Simulation Description:	Sunland Park South Subsurface Drainage Facility
Project Number:	200230
Engineer :	MB Santoro
Supervising Engineer:	HD Tirado
Date:	04-14-2011

Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum):	10.00
Water Table Elevation, [WT] (ft datum):	34.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day):	4.80
Fillable Porosity, [n] (%):	30.00
Unsaturated Vertical Infiltration Rate, [Iv] (ft/day):	3.2
Maximum Area For Unsaturated Infiltration, [Av] (ft^2):	19335.0

Geometry Data

Equivalent Pond Length, [L] (ft):	190.0
Equivalent Pond Width, [W] (ft):	110.0

Ground water mound is expected to intersect the pond bottom

Stage vs Area Data

Stage (ft datum)	Area (ft²)
35.00	10248.0
35.08	10248.0
35.17	10248.0
35.25	10248.0
35.33	10248.0
35.42	10248.0
35.50	10248.0
35.58	10248.0
35.67	10248.0
35.75	10248.0
35.83	10248.0
35.92	10248.0
36.00	10248.0
36.08	10248.0
36.17	10248.0
36.25	10248.0
36.33	10248.0
36.42	10248.0
36.50	10248.0
36.58	19337.7
36.67	19150.1
36.75	18896.6
36.83	18640.4
36.92	18325.7
37.00	17945.9
37.08	17561.5
37.17	17183.1
37.25	16679.0
37.33	16106.0
37.42	15472.2
37.50	14708.8
37.58	13699.8
37.67	11932.5
37.75	11228.3
37.83	10620.6
37.92	10248.0
38.00	10248.0
38.08	10248.0
38.17	10248.0
38.25	10248.0
38.33	10248.0

Scenario Input Data

Scenario 1 :: 41953 ft³ slug load

Hydrograph Type: Slug Load
Modflow Routing: Routed with infiltration

Treatment Volume (ft³) 41953

Initial ground water level (ft datum) 34.00 (default)

Time After Storm Event (days)	Time After Storm Event (days)	Time After Storm Event (days)	Time After Storm Event (days)
0.100	2.000	4.500	7.000
0.250	2.500	5.000	7.500
0.500	3.000	5.500	8.000
1.000	3.500	6.000	8.500
1.500	4.000	6.500	9.000

Detailed Results :: *Scenario 1 :: 41953 ft³ slug load*

Elapsed Time (hours)	Inflow Rate (ft³/s)	Outside Recharge (ft/day)	Stage Elevation (ft datum)	Infiltration Rate (ft³/s)	Overflow Discharge (ft³/s)	Cumulative Inflow Volume (ft³)	Cumulative Infiltration Volume (ft³)	Cumulative Discharge Volume (ft³)	Flow Type
0.000	6992.1670	0.0000	34.000	0.00000	0.00000	0.0	0.0	0.0	N.A.
0.002	6992.1670	0.0000	38.331	0.71611	0.00000	41953.0	4.3	0.0	U/P
2.400	0.0000	0.0000	37.736	0.68921	0.00000	41953.0	6187.2	0.0	U/P
6.000	0.0000	0.0000	37.167	0.46050	0.00000	41953.0	14596.0	0.0	U/S
12.000	0.0000	0.0000	36.987	0.12600	0.00000	41953.0	17762.8	0.0	S
24.000	0.0000	0.0000	36.788	0.07322	0.00000	41953.0	21425.7	0.0	S
36.000	0.0000	0.0000	36.648	0.05530	0.00000	41953.0	24088.9	0.0	S
48.000	0.0000	0.0000	36.531	0.04322	0.00000	41953.0	26203.5	0.0	S
60.000	0.0000	0.0000	36.379	0.03412	0.00000	41953.0	27823.1	0.0	S
72.000	0.0000	0.0000	36.249	0.02844	0.00000	41953.0	29151.1	0.0	S
84.000	0.0000	0.0000	36.139	0.02445	0.00000	41953.0	30280.7	0.0	S
96.000	0.0000	0.0000	36.043	0.02142	0.00000	41953.0	31263.2	0.0	S
108.000	0.0000	0.0000	35.958	0.01904	0.00000	41953.0	32131.6	0.0	S
120.000	0.0000	0.0000	35.883	0.01712	0.00000	41953.0	32908.6	0.0	S
132.000	0.0000	0.0000	35.814	0.01553	0.00000	41953.0	33610.7	0.0	S
144.000	0.0000	0.0000	35.752	0.01419	0.00000	41953.0	34250.2	0.0	S
156.000	0.0000	0.0000	35.694	0.01304	0.00000	41953.0	34836.5	0.0	S
168.000	0.0000	0.0000	35.642	0.01205	0.00000	41953.0	35377.1	0.0	S
180.000	0.0000	0.0000	35.593	0.01119	0.00000	41953.0	35878.0	0.0	S
192.000	0.0000	0.0000	35.547	0.01043	0.00000	41953.0	36344.0	0.0	S
204.000	0.0000	0.0000	35.505	0.00976	0.00000	41953.0	36779.3	0.0	S
216.000	0.0000	0.0000	35.465	----	----	41953.0	37187.2	0.0	N.A.

29151.1 ft^3 or 0.67 ac-ft of treatment
Volume recovered within 72 hours.

Summary of Results :: *Scenario 1 :: 41953 ft³ slug load*

	Time (hours)	Stage (ft datum)	Rate (ft³/s)	Volume (ft³)
Stage				
Minimum	0.000	34.00		
Maximum	0.002	38.33		
Inflow				
Rate - Maximum - Positive	0.002		6992.1670	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	0.002			41953.0
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	216.000			41953.0
Infiltration				
Rate - Maximum - Positive	0.002		0.7161	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	216.000			37187.2
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	216.000			37187.2
Combined Discharge				
Rate - Maximum - Positive	None		None	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	None			None
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	216.000			0.0
Discharge Structure 1 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Discharge Structure 2 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Discharge Structure 3 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Pollution Abatement:				
36 Hour Stage and Infiltration Volume	36.000	36.65		24088.9
72 Hour Stage and Infiltration Volume	72.000	36.25		29151.1

Number of chambers - 430
Voids in the stone (porosity) - 0.45
Base of Stone Elevation - 35.75

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STREAMLINE TECHNOLOGIES

4/14/2011

SR 15/600 - Seminole County, Florida

Stage-Area Table for ICPR

Sunland Park North Subsurface Facility

StormTech SC 310 Incremental Storage Volumes

43560

Weir Elevation = 38.18
Use Weir Elevation = 38.20

Required Treatment = 14248.0 cu ft
Provided Treatment = 14310.3 cu ft
0.33 Ac-Ft.

Height of System (in)	Incremental Chamber (ft^3)	Incremental Stone (ft^3)	Incremental Ch & St (ft^3)	Cumulative Chamber (ft^3)	Cumulative System (ft^3)	Elevation	Average Surface Area (ft^2)
40	0	0.89	0.89	43.70	18,791.60	39.08	4,590.25
39	0	0.89	0.89	42.81	18,409.08	39.00	4,590.25
38	0	0.89	0.89	41.92	18,026.56	38.92	4,590.25
37	0	0.89	0.89	41.03	17,644.04	38.83	4,590.25
36	0	0.89	0.89	40.14	17,261.52	38.75	4,590.25
35	0	0.89	0.89	39.25	16,879.00	38.67	4,590.25
34	0.06	0.86	0.92	38.36	16,496.48	38.58	4,757.13
33	0.15	0.82	0.97	37.44	16,100.05	38.50	5,029.33
32	0.27	0.77	1.04	36.47	15,680.94	38.42	5,344.77
31	0.54	0.64	1.19	35.43	15,235.54	38.33	6,136.37
30	0.70	0.57	1.28	34.24	14,724.18	38.25	6,588.32
29	0.82	0.52	1.34	32.97	14,175.15	38.17	6,930.27
28	0.92	0.47	1.40	31.62	13,597.63	38.08	7,214.14
27	1.01	0.43	1.45	30.22	12,996.45	38.00	7,470.81
26	1.09	0.40	1.49	28.78	12,373.88	37.92	7,696.59
25	1.15	0.37	1.52	27.28	11,732.50	37.83	7,866.10
24	1.21	0.34	1.56	25.76	11,076.99	37.75	8,038.25
23	1.27	0.32	1.59	24.20	10,407.14	37.67	8,208.36
22	1.32	0.29	1.62	22.61	9,723.11	37.58	8,349.37
21	1.36	0.28	1.64	20.99	9,027.33	37.50	8,464.08
20	1.40	0.26	1.66	19.35	8,321.99	37.42	8,577.63
19	1.43	0.24	1.68	17.69	7,607.18	37.33	8,661.69
18	0	0.89	0.89	16.01	6,885.38	37.25	4,590.25
17	0	0.89	0.89	15.12	6,502.85	37.17	4,590.25
16	0	0.89	0.89	14.23	6,120.33	37.08	4,590.25
15	0	0.89	0.89	13.34	5,737.81	37.00	4,590.25
14	0	0.89	0.89	12.45	5,355.29	36.92	4,590.25
13	0	0.89	0.89	11.56	4,972.77	36.83	4,590.25
12	0	0.89	0.89	10.68	4,590.25	36.75	4,590.25
11	0	0.89	0.89	9.79	4,207.73	36.67	4,590.25
10	0	0.89	0.89	8.90	3,825.21	36.58	4,590.25
9	0	0.89	0.89	8.01	3,442.69	36.50	4,590.25
8	0	0.89	0.89	7.12	3,060.17	36.42	4,590.25
7	0	0.89	0.89	6.23	2,677.65	36.33	4,590.25
6	0	0.89	0.89	5.34	2,295.13	36.25	4,590.25
5	0	0.89	0.89	4.45	1,912.60	36.17	4,590.25
4	0	0.89	0.89	3.56	1,530.08	36.08	4,590.25
3	0	0.89	0.89	2.67	1,147.56	36.00	4,590.25
2	0	0.89	0.89	1.78	765.04	35.92	4,590.25
1	0	0.89	0.89	0.89	382.52	35.83	4,590.25

Total Chamber Storage = 14.7 ft^3

Elevation	Average Surface Area (ft^2)	Average Surface Area (ac)
35.75	4590.25	0.105378
35.83	4590.25	0.105378
35.92	4590.25	0.105378
36.00	4590.25	0.105378
36.08	4590.25	0.105378
36.17	4590.25	0.105378
36.25	4590.25	0.105378
36.33	4590.25	0.105378
36.42	4590.25	0.105378
36.50	4590.25	0.105378
36.58	4590.25	0.105378
36.67	4590.25	0.105378
36.75	4590.25	0.105378
36.83	4590.25	0.105378
36.92	4590.25	0.105378
37.00	4590.25	0.105378
37.08	4590.25	0.105378
37.17	4590.25	0.105378
37.25	4590.25	0.105378
37.33	8661.69	0.198845
37.42	8577.63	0.196915
37.50	8464.08	0.194308
37.58	8349.37	0.191675
37.67	8208.36	0.188438
37.75	8038.25	0.184533
37.83	7866.10	0.180581
37.92	7696.59	0.176689
38.00	7470.81	0.171506
38.08	7214.14	0.165614
38.17	6930.27	0.159097
38.25	6588.32	0.151247
38.33	6136.37	0.140872
38.42	5344.77	0.122699
38.50	5029.33	0.115457
38.58	4757.13	0.109209
38.67	4590.25	0.105378
38.75	4590.25	0.105378
38.83	4590.25	0.105378
38.92	4590.25	0.105378
39.00	4590.25	0.105378
39.08	4590.25	0.105378

Ave Area	delta Depth	Incre Storage	Cum Storage	
0.00 ac.	0.00 ft.	0.00 ac-ft	0.000 ac-ft	-
0.11 ac.	0.08 ft.	0.01 ac-ft	0.008 ac-ft	367.22
0.11 ac.	0.09 ft.	0.01 ac-ft	0.018 ac-ft	780.34
0.11 ac.	0.08 ft.	0.01 ac-ft	0.026 ac-ft	1,147.56
0.11 ac.	0.08 ft.	0.01 ac-ft	0.035 ac-ft	1,514.78
0.11 ac.	0.09 ft.	0.01 ac-ft	0.044 ac-ft	1,927.91
0.11 ac.	0.08 ft.	0.01 ac-ft	0.053 ac-ft	2,295.13
0.11 ac.	0.08 ft.	0.01 ac-ft	0.061 ac-ft	2,662.34
0.11 ac.	0.09 ft.	0.01 ac-ft	0.071 ac-ft	3,075.47
0.11 ac.	0.08 ft.	0.01 ac-ft	0.079 ac-ft	3,442.69
0.11 ac.	0.08 ft.	0.01 ac-ft	0.087 ac-ft	3,809.91
0.11 ac.	0.09 ft.	0.01 ac-ft	0.097 ac-ft	4,223.03
0.11 ac.	0.08 ft.	0.01 ac-ft	0.105 ac-ft	4,590.25
0.11 ac.	0.08 ft.	0.01 ac-ft	0.114 ac-ft	4,957.47
0.11 ac.	0.09 ft.	0.01 ac-ft	0.123 ac-ft	5,370.59
0.11 ac.	0.08 ft.	0.01 ac-ft	0.132 ac-ft	5,737.81
0.11 ac.	0.08 ft.	0.01 ac-ft	0.140 ac-ft	6,105.03
0.11 ac.	0.09 ft.	0.01 ac-ft	0.150 ac-ft	6,518.16
0.11 ac.	0.08 ft.	0.01 ac-ft	0.158 ac-ft	6,885.38
0.15 ac.	0.08 ft.	0.01 ac-ft	0.170 ac-ft	7,415.45
0.20 ac.	0.09 ft.	0.02 ac-ft	0.188 ac-ft	8,191.22
0.20 ac.	0.08 ft.	0.02 ac-ft	0.204 ac-ft	8,872.89
0.19 ac.	0.08 ft.	0.02 ac-ft	0.219 ac-ft	9,545.43
0.19 ac.	0.09 ft.	0.02 ac-ft	0.236 ac-ft	10,290.53
0.19 ac.	0.08 ft.	0.01 ac-ft	0.251 ac-ft	10,940.39
0.18 ac.	0.08 ft.	0.01 ac-ft	0.266 ac-ft	11,576.56
0.18 ac.	0.09 ft.	0.02 ac-ft	0.282 ac-ft	12,276.89
0.17 ac.	0.08 ft.	0.01 ac-ft	0.296 ac-ft	12,883.58
0.17 ac.	0.08 ft.	0.01 ac-ft	0.309 ac-ft	13,470.98
0.16 ac.	0.09 ft.	0.01 ac-ft	0.324 ac-ft	14,107.48
0.16 ac.	0.08 ft.	0.01 ac-ft	0.336 ac-ft	14,648.22
0.15 ac.	0.08 ft.	0.01 ac-ft	0.348 ac-ft	15,157.21
0.13 ac.	0.09 ft.	0.01 ac-ft	0.360 ac-ft	15,673.86
0.12 ac.	0.08 ft.	0.01 ac-ft	0.369 ac-ft	16,088.83
0.11 ac.	0.08 ft.	0.01 ac-ft	0.378 ac-ft	16,480.28
0.11 ac.	0.09 ft.	0.01 ac-ft	0.388 ac-ft	16,900.92
0.11 ac.	0.08 ft.	0.01 ac-ft	0.396 ac-ft	17,268.14
0.11 ac.	0.08 ft.	0.01 ac-ft	0.405 ac-ft	17,635.36
0.11 ac.	0.09 ft.	0.01 ac-ft	0.414 ac-ft	18,048.48
0.11 ac.	0.08 ft.	0.01 ac-ft	0.423 ac-ft	18,415.70
0.11 ac.	0.08 ft.	0.01 ac-ft	0.431 ac-ft	18,782.92

PONDS Version 3.2.0239
Retention Pond Recovery - Refined Method
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Devo Seereeram, Ph.D., P.E.

Project Data

Project Name:	SR 15/600
Simulation Description:	Sunland Park North Sub-surface system
Project Number:	200230
Engineer :	MB Santoro
Supervising Engineer:	HD Tirado
Date:	04-14-2011

Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum):	10.00
Water Table Elevation, [WT] (ft datum):	33.30
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day):	2.55
Fillable Porosity, [n] (%):	30.00
Unsaturated Vertical Infiltration Rate, [Iv] (ft/day):	1.7
Maximum Area For Unsaturated Infiltration, [Av] (ft^2):	8661.7

Geometry Data

Equivalent Pond Length, [L] (ft):	150.0
Equivalent Pond Width, [W] (ft):	85.0

Ground water mound is expected to intersect the pond bottom

Stage vs Area Data

Stage (ft datum)	Area (ft^2)
35.75	4590.3
35.83	4590.3
35.92	4590.3
36.00	4590.3
36.08	4590.3
36.17	4590.3
36.25	4590.3
36.33	4590.3
36.42	4590.3
36.50	4590.3
36.58	4590.3
36.67	4590.3
36.75	4590.3
36.83	4590.3
36.92	4590.3
37.00	4590.3
37.08	4590.3
37.17	4590.3
37.25	4590.3
37.33	8661.7
37.42	8577.6
37.50	8464.1
37.58	8349.4
37.67	8208.4
37.75	8038.3
37.83	7866.1
37.92	7696.6
38.00	7470.8
38.08	7214.1
38.17	6930.3
38.25	6588.3
38.33	6136.4
38.42	5344.8
38.50	5029.3
38.58	4757.1
38.67	4590.3
38.75	4590.3
38.83	4590.3
38.92	4590.3
39.00	4590.3
39.08	4590.3

Scenario Input Data

Scenario 1 :: 17700 ft³ slug load

Hydrograph Type: Slug Load
Modflow Routing: Routed with infiltration

Treatment Volume (ft³) 17700

Initial ground water level (ft datum) 33.30 (default)

Time After Storm Event (days)	Time After Storm Event (days)
0.100	2.000
0.250	2.500
0.500	3.000
1.000	3.500
1.500	4.000

Detailed Results :: *Scenario 1 :: 17700 ft³ slug load*

Elapsed Time (hours)	Inflow Rate (ft³/s)	Outside Recharge (ft/day)	Stage Elevation (ft datum)	Infiltration Rate (ft³/s)	Overflow Discharge (ft³/s)	Cumulative Inflow Volume (ft³)	Cumulative Infiltration Volume (ft³)	Cumulative Discharge Volume (ft³)	Flow Type
0.000	2950.0000	0.0000	33.300	0.00000	0.00000	0.0	0.0	0.0	N.A.
0.002	2950.0000	0.0000	42.686	0.17043	0.00000	17700.0	-17634.3	0.0	U/P
2.400	0.0000	0.0000	38.528	0.17043	0.00000	17700.0	1472.5	0.0	U/P
6.000	0.0000	0.0000	38.157	0.17043	0.00000	17700.0	3681.2	0.0	U/P
12.000	0.0000	0.0000	37.676	0.16042	0.00000	17700.0	7362.4	0.0	U/P
24.000	0.0000	0.0000	36.681	0.09379	0.00000	17700.0	13428.3	0.0	U/S
36.000	0.0000	0.0000	36.237	0.03860	0.00000	17700.0	15465.7	0.0	S
48.000	0.0000	0.0000	35.954	0.02586	0.00000	17700.0	16763.6	0.0	S
60.000	0.0000	0.0000	35.745	0.01084	0.00000	17700.0	17700.0	0.0	S
72.000	0.0000	0.0000	35.557	0.00000	0.00000	17700.0	17700.0	0.0	S
84.000	0.0000	0.0000	35.406	0.00000	0.00000	17700.0	17700.0	0.0	S
96.000	0.0000	0.0000	35.280	----	----	17700.0	17700.0	0.0	N.A.

$TV = 14310.3\ ft^3$ (See Stormtech Spreadsheet)

Treatment Volume recovered in 29.2 hours

Total Volume ($17700\ ft^3$) recovered in 60 hours.

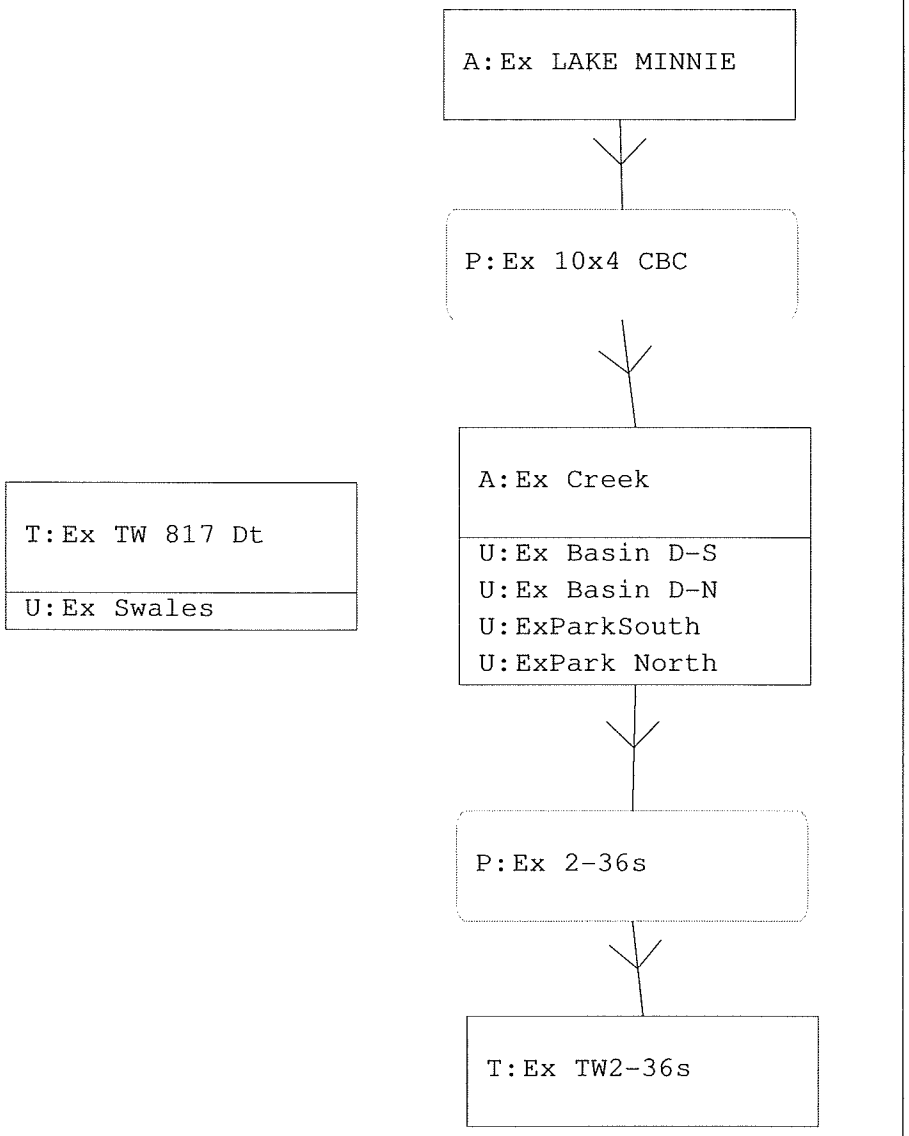
Summary of Results :: *Scenario 1 :: 17700 ft³ slug load*

	Time (hours)	Stage (ft datum)	Rate (ft³/s)	Volume (ft³)
Stage				
Minimum	0.000	33.30		
Maximum	0.002	42.69		
Inflow				
Rate - Maximum - Positive	0.002		2950.0000	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	0.002			17700.0
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			17700.0
Infiltration				
Rate - Maximum - Positive	0.002		0.1704	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	60.000			17700.0
Cumulative Volume - Maximum Negative	0.002			-17634.3
Cumulative Volume - End of Simulation	96.000			17700.0
Combined Discharge				
Rate - Maximum - Positive	None		None	
Rate - Maximum - Negative	None		None	
Cumulative Volume - Maximum Positive	None			None
Cumulative Volume - Maximum Negative	None			None
Cumulative Volume - End of Simulation	96.000			0.0
Discharge Structure 1 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Discharge Structure 2 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Discharge Structure 3 - inactive				
Rate - Maximum - Positive	disabled		disabled	
Rate - Maximum - Negative	disabled		disabled	
Cumulative Volume - Maximum Positive	disabled			disabled
Cumulative Volume - Maximum Negative	disabled			disabled
Cumulative Volume - End of Simulation	disabled			disabled
Pollution Abatement:				
36 Hour Stage and Infiltration Volume	36.000	36.24		15465.7
72 Hour Stage and Infiltration Volume	72.000	35.56		17700.0

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

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

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



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

SR 15/600 Widening - Basins D-South & D-North
StormTech Systems - HDT
REV 2009-03-24(2011-05-02hdt)

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

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

Links
P Pipe
W Weir
C Channel
D Drop Structure
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R Rating Curve
H Breach
E Percolation
F Filter
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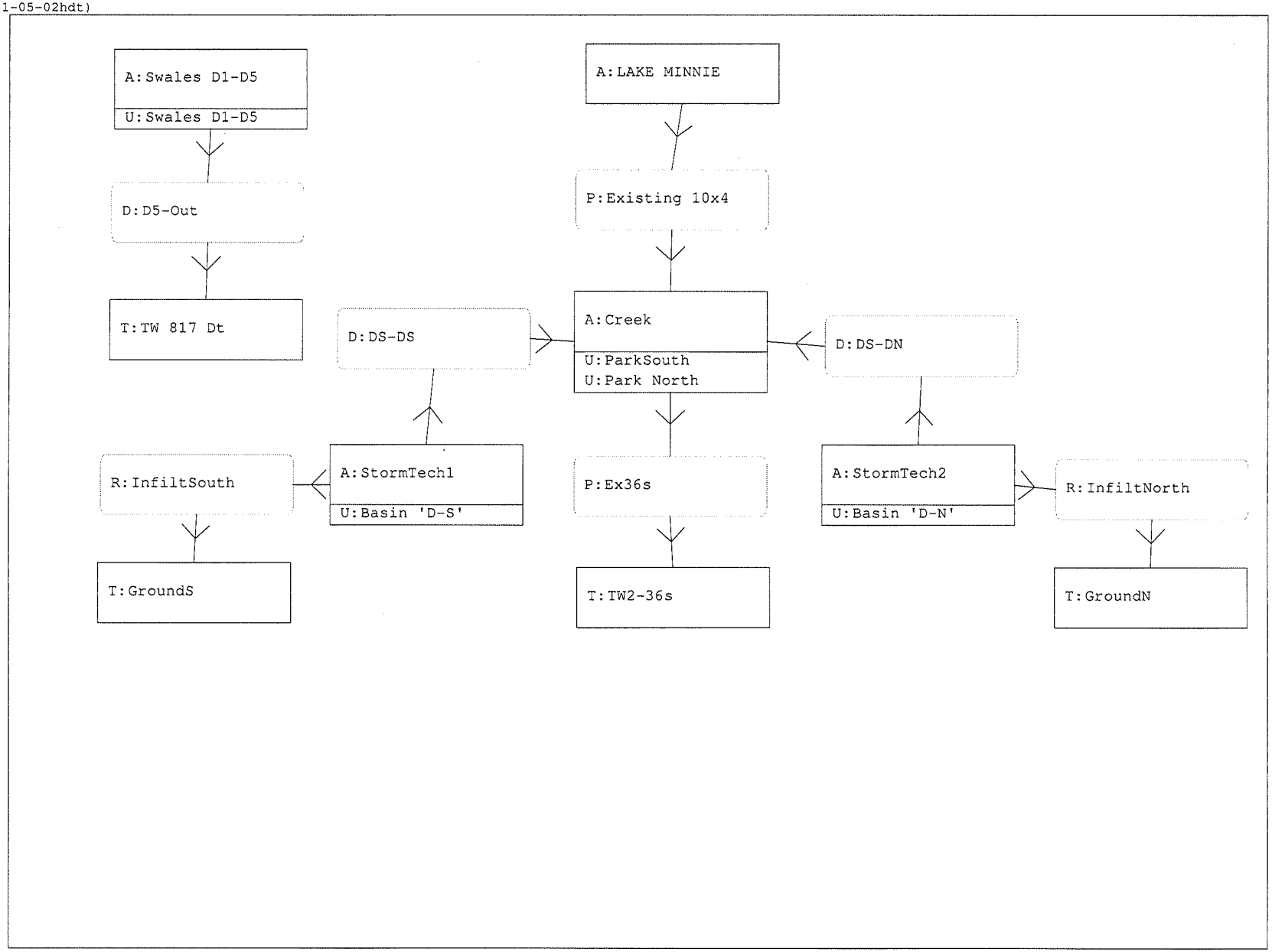

P:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT(BASIN D)\BASIN D.ICP

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

Name: Basin 'D-N' Node: StormTech2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 12.30
Area(ac): 4.440 Time Shift(hrs): 0.00
Curve Number: 92.70 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Roadway - Basin 'D' - North

Name: Basin 'D-S' Node: StormTech1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.00
Area(ac): 9.240 Time Shift(hrs): 0.00
Curve Number: 95.70 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Proposed Roadway - Basin 'D' - South

Name: Ex 30 RCP Area Node: 817 Creek Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 22.70
Area(ac): 4.120 Time Shift(hrs): 0.00
Curve Number: 91.10 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Swale Area draining into the Ditch at Station 817+00

Name: Ex 36 RCP Area Node: Bargain Blvd Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 17.00
Area(ac): 1.300 Time Shift(hrs): 0.00
Curve Number: 91.10 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Swale Area draining into the Ditch at Station 793+50

Name: Ex Basin D-N Node: Ex Creek Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 17.00
Area(ac): 7.000 Time Shift(hrs): 0.00
Curve Number: 90.20 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Roadway draining into Lake Minnie and downstream Creek at Station 828+00

Name: Ex Basin D-S Node: Ex Creek Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Flmod Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 1.080 Time Shift(hrs): 0.00
Curve Number: 90.20 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Existing Roadway draining into Lake Minnie and downstream Creek at Station 828+00

Name: Ex Swales Node: Ex TW 817 Dt Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

```
        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 17.00
              Area(ac): 3.240                    Time Shift(hrs): 0.00
          Curve Number: 89.90               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Swale Area draining into the Ditch at Station 817+00

-------------------------------------------------------------------------------------------------------
         Name: ExPark North             Node: Ex Creek              Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 4.610                    Time Shift(hrs): 0.00
          Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Park - North

-------------------------------------------------------------------------------------------------------
         Name: ExParkSouth              Node: Ex Creek              Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 26.10
              Area(ac): 1.190                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Existing Park - South

-------------------------------------------------------------------------------------------------------
         Name: Park North               Node: Creek                 Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 4.610                    Time Shift(hrs): 0.00
          Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Proposed Park - North

-------------------------------------------------------------------------------------------------------
         Name: ParkSouth                Node: Creek                 Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 26.10
              Area(ac): 1.190                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Proposed Park - South

-------------------------------------------------------------------------------------------------------
         Name: Swales D1-D5             Node: Swales D1-D5          Status: Onsite
        Group: BASE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 3.230                    Time Shift(hrs): 0.00
          Curve Number: 88.80               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Proposed Swale Area draining into the Ditch at Station 817+00

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

      Name: Creek               Base Flow(cfs): 0.000          Init Stage(ft): 32.250
     Group: BASE                                              Warn Stage(ft): 37.000
      Type: Stage/Area

Existing Creek between Lake Minnie & Collins Drive
```

Stage(ft)	Area(ac)
32.250	0.2600
35.000	0.5000
37.000	0.7000

Name: Ex Creek Base Flow(cfs): 0.000 Init Stage(ft): 32.250
Group: BASE Warn Stage(ft): 37.000
Type: Stage/Area

Existing Creek between Lake Minnie & Collins Drive

Stage(ft)	Area(ac)
32.250	0.2600
35.000	0.5000
37.000	0.7000

Name: Ex LAKE MINNIE Base Flow(cfs): 0.000 Init Stage(ft): 32.500
Group: BASE Warn Stage(ft): 36.500
Type: Stage/Area

Stage(ft)	Area(ac)

Name: Ex TW 817 Dt Base Flow(cfs): 0.000 Init Stage(ft): 33.000
Group: BASE Warn Stage(ft): 39.000
Type: Time/Stage

Estimated Tailwater condition downstream of the 36" Cross Dain under SR 15 at Station 817+00.

Time(hrs)	Stage(ft)
0.00	33.000
12.00	33.000
240.00	33.000

Name: Ex TW2-36s Base Flow(cfs): 0.000 Init Stage(ft): 32.250
Group: BASE Warn Stage(ft): 35.000
Type: Time/Stage

Estimated Tailwater condition downstream of the 2-36" pipes under Collins Drive

Time(hrs)	Stage(ft)
0.00	32.250
240.00	32.250

Name: GroundN Base Flow(cfs): 0.000 Init Stage(ft): 33.300
Group: BASE Warn Stage(ft): 34.000
Type: Time/Stage

North subsurface system infiltration node

Time(hrs)	Stage(ft)
0.00	33.300
1000.00	33.300

Name: GroundS Base Flow(cfs): 0.000 Init Stage(ft): 34.000
Group: BASE Warn Stage(ft): 35.000
Type: Time/Stage

South subsurface system infiltration node

Time(hrs)	Stage(ft)
0.00	34.000
1000.00	34.000

Name: LAKE MINNIE Base Flow(cfs): 0.000 Init Stage(ft): 32.250
Group: BASE Warn Stage(ft): 36.500
Type: Stage/Area

Stage(ft)	Area(ac)

Name: StormTech1 Base Flow(cfs): 0.000 Init Stage(ft): 35.000
Group: BASE Warn Stage(ft): 40.000
Type: Stage/Area

Proposed Storm Tech for Basin 'D' South
Areas taken from Stage-Area Table for ICPR within Stormtech Spreadsheet.

Stage(ft)	Area(ac)
35.000	0.2353
35.080	0.2353
35.170	0.2353
35.250	0.2353
35.330	0.2353
35.420	0.2353
35.500	0.2353
35.580	0.2353
35.670	0.2353
35.750	0.2353
35.830	0.2353
35.920	0.2353
36.000	0.2353
36.080	0.2353
36.170	0.2353
36.250	0.2353
36.330	0.2353
36.420	0.2353
36.500	0.2353
36.580	0.4439
36.670	0.4396
36.750	0.4338
36.830	0.4279
36.920	0.4207
37.000	0.4120
37.080	0.4032
37.170	0.3945
37.250	0.3829
37.330	0.3697
37.420	0.3552
37.500	0.3377
37.580	0.3145
37.670	0.2739
37.750	0.2578
37.830	0.2438
37.920	0.2353
38.000	0.2353
38.080	0.2353
38.170	0.2353
38.250	0.2353
38.330	0.2353

Name: StormTech2 Base Flow(cfs): 0.000 Init Stage(ft): 35.750
Group: BASE Warn Stage(ft): 39.000
Type: Stage/Area

Proposed Storm Tech for Basin 'D' North

Stage(ft)	Area(ac)
35.750	0.1054
35.830	0.1054
35.920	0.1054
36.000	0.1054
36.080	0.1054
36.170	0.1054
36.250	0.1054
36.330	0.1054
36.420	0.1054
36.500	0.1054
36.580	0.1054
36.670	0.1054
36.750	0.1054
36.830	0.1054
36.920	0.1054
37.000	0.1054
37.080	0.1054
37.170	0.1054
37.250	0.1054
37.330	0.1988
37.420	0.1969

37.500	0.1943
37.580	0.1917
37.670	0.1884
37.750	0.1845
37.830	0.1806
37.920	0.1767
38.000	0.1715
38.080	0.1656
38.170	0.1591
38.250	0.1512
38.330	0.1409
38.420	0.1227
38.500	0.1155
38.580	0.1092
38.670	0.1054
38.750	0.1054
38.830	0.1054
38.920	0.1054
39.000	0.1054
39.080	0.1054

Name: Swales D1-D5 Base Flow(cfs): 0.000 Init Stage(ft): 36.000
Group: BASE Warn Stage(ft): 39.000
Type: Stage/Area

Proposed Swales D-1 to D-5

Stage(ft)	Area(ac)
36.000	0.0000
37.000	0.1220
38.000	0.3600
39.000	0.9120

Name: TW 817 Dt Base Flow(cfs): 0.000 Init Stage(ft): 33.000
Group: BASE Warn Stage(ft): 39.000
Type: Time/Stage

Estimated Tailwater condition downstream of the 36" Cross Dain under SR 15 at Station 817+00.

Time(hrs)	Stage(ft)
0.00	33.000
12.00	33.000
240.00	33.000

Name: TW2-36s Base Flow(cfs): 0.000 Init Stage(ft): 32.250
Group: BASE Warn Stage(ft): 35.000
Type: Time/Stage

Estimated Tailwater condition downstream of the 2-36" pipes under Collins Drive

Time(hrs)	Stage(ft)
0.00	32.250
240.00	32.250

==========

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

==========

Name: StormtechN Group: BASE
Type: Rating Curve
Function: US Stage vs. Discharge

Infiltration Rate taken from PONDS.

US Stage(ft)	Discharge(cfs)
33.300	0.00
38.440	0.21

Name: StormtechS Group: BASE
Type: Rating Curve
Function: US Stage vs. Discharge

Infiltration Rate taken from PONDS.

US Stage(ft)	Discharge(cfs)
34.000	0.00

37.695 0.77

==========
==== Pipes ==========
==========

Name:	Ex 10x4 CBC	From Node:	Ex LAKE MINNIE	Length(ft): 150.00
Group:	BASE	To Node:	Ex Creek	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Rectangular	Rectangular		Flow: Both
Span(in):	120.00	120.00		Entrance Loss Coef: 0.00
Rise(in):	48.00	48.00		Exit Loss Coef: 1.00
Invert(ft):	32.520	32.230		Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Existing Cross Drain

Name:	Ex 2-36s	From Node:	Ex Creek	Length(ft): 45.00
Group:	BASE	To Node:	Ex TW2-36s	Count: 2
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.00
Rise(in):	36.00	36.00		Exit Loss Coef: 0.00
Invert(ft):	29.250	28.600		Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Existing 2-36" pipes under Collins Drive

Name:	Ex36s	From Node:	Creek	Length(ft): 45.00
Group:	BASE	To Node:	TW2-36s	Count: 2
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.00
Rise(in):	36.00	36.00		Exit Loss Coef: 0.00
Invert(ft):	29.250	28.600		Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Existing 2-36" pipes under Collins Drive

Name:	Existing 10x4	From Node:	LAKE MINNIE	Length(ft): 150.00
Group:	BASE	To Node:	Creek	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Rectangular	Rectangular		Flow: Both
Span(in):	120.00	120.00		Entrance Loss Coef: 0.00
Rise(in):	48.00	48.00		Exit Loss Coef: 1.00
Invert(ft):	32.520	32.230		Bend Loss Coef: 0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dn

Bot Clip(in): 0.000 0.000 Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Existing Cross Drain

==========
==== Drop Structures ==========
==========

Name: D5-Out From Node: Swales D1-D5 Length(ft): 83.00
Group: BASE To Node: TW 817 Dt Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Average Conveyance
Span(in):	24.00	24.00	Solution Algorithm:	Automatic
Rise(in):	24.00	24.00	Flow:	Both
Invert(ft):	34.000	33.500	Entrance Loss Coef:	0.500
Manning's N:	0.012000	0.012000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Solution Incs:	10

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

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

Drop Structure in Swale D-5.

*** Weir 1 of 1 for Drop Structure D5-Out ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 37.00 Invert(ft): 37.180
Rise(in): 24.00 Control Elev(ft): 37.180

Name: DS-DN From Node: StormTech2 Length(ft): 50.00
Group: BASE To Node: Creek Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Average Conveyance
Span(in):	36.00	36.00	Solution Algorithm:	Automatic
Rise(in):	36.00	36.00	Flow:	Both
Invert(ft):	34.000	33.500	Entrance Loss Coef:	0.500
Manning's N:	0.012000	0.012000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Solution Incs:	10

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

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

Drop Structure Basin D North

*** Weir 1 of 1 for Drop Structure DS-DN ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Vertical: Mavis Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 180.00 Invert(ft): 38.200
Rise(in): 12.00 Control Elev(ft): 38.200

Name: DS-DS From Node: StormTech1 Length(ft): 260.00
Group: BASE To Node: Creek Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Horz Ellipse	Horz Ellipse	Friction Equation:	Average Conveyance
			Solution Algorithm:	Automatic

Span(in):	34.00	34.00	Flow: Both
Rise(in):	53.00	53.00	Entrance Loss Coef: 0.500
Invert(ft):	30.200	30.000	Exit Loss Coef: 1.000
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Drop Structure Basin D South

*** Weir 1 of 1 for Drop Structure DS-DS ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	180.00	Invert(ft):	37.833
Rise(in):	16.50	Control Elev(ft):	37.833

==== Rating Curves ====

Name:	InfiltNorth	From Node: StormTech2	Count: 1
Group:	BASE	To Node: GroundN	Flow: Both

	TABLE	ELEV ON(ft)	ELEV OFF(ft)
#1:	StormtechS	35.750	33.300
#2:		0.000	0.000
#3:		0.000	0.000
#4:		0.000	0.000

Name:	InfiltSouth	From Node: StormTech1	Count: 1
Group:	BASE	To Node: GroundS	Flow: Both

	TABLE	ELEV ON(ft)	ELEV OFF(ft)
#1:	StormtechS	35.000	34.000
#2:		0.000	0.000
#3:		0.000	0.000
#4:		0.000	0.000

==== Percolation Links ====

Name:		From Node:	Flow: Both
Group:	BASE	To Node:	Count: 1

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

==== Exfiltration Trenches ====

Name:		From Node:	Flow: Both
Group:	BASE	To Node:	Count: 1

Aquifer Base Elev(ft):	0.000	Trench Bot Elev(ft):	0.000
Water Table Elev(ft):	0.000	Trench Width(ft):	0.000
**********:	0.000	Trench Length(ft):	0.000
Horiz Conductivity(ft/day):	0.000	Trench Height(ft):	0.000

```
   Vert Conductivity(ft/day): 0.000                  Gravel Porosity(dec): 0.000
     Effective Porosity(dec): 0.000                     Pipe Diameter(in): 0.000
             Suction Head(in): 0.000                 Pipe Invert Elev(ft): 0.000
                                                          End Treatment: Exclude
                                                       Cell Spacing(ft): 0.000
                                                             Num Cells: 0
```

==== Hydrology Simulations ====

```
         Name: 002Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y001H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.25

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50
```

```
         Name: 002Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y002H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 2.70

Time(hrs)       Print Inc(min)
--------------- ---------------
4.000           2.50
```

```
         Name: 002Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y004H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 3.25

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           2.50
```

```
         Name: 002Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y008H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
    Rainfall Amount(in): 3.70

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          2.50
```

```
         Name: 002Y024H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y024H.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00
```

```
         Name: 002Y072H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y072H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: FDOT-72
```

Rainfall Amount(in): 5.80

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 002Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 7.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 002Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 8.20

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 005Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 2.75

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 005Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 005Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.13

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 005Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 4.73

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 005Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 005Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 7.63

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 005Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 005Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 010Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.05

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 010Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.68

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 010Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.43

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 010Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 7.25

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 010Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.83

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 010Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 11.25

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 010Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 12.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 025Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.45

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002H

Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.30

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 025Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.45

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 025Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y008H.R32

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

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 025Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y024H.R32

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

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 025Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 10.58

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 025Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 13.30

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 025Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 14.60

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 050Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y001H.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.82

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y002H.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.75

Time(hrs)	Print Inc(min)
4.000	2.50

Name: 050Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y004H.R32

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.98

Time(hrs)	Print Inc(min)
6.000	2.50

Name: 050Y008H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y008H.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.13

Time(hrs)	Print Inc(min)
12.000	2.50

Name: 050Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y024H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.30

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 050Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 11.95

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 050Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y168H.R32

```
      Override Defaults: Yes
    Storm Duration(hrs): 168.00
          Rainfall File: FDOT-168
    Rainfall Amount(in): 14.70

Time(hrs)       Print Inc(min)
--------------- ---------------
173.000         5.00

-------------------------------------------------------------------------------------------------------------
         Name: 050Y240H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y240H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 240.00
          Rainfall File: FDOT-240
    Rainfall Amount(in): 16.50

Time(hrs)       Print Inc(min)
--------------- ---------------
245.000         5.00

-------------------------------------------------------------------------------------------------------------
         Name: 100Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y001H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 4.18

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

-------------------------------------------------------------------------------------------------------------
         Name: 100Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y002H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 5.30

Time(hrs)       Print Inc(min)
--------------- ---------------
4.000           2.50

-------------------------------------------------------------------------------------------------------------
         Name: 100Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y004H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 6.53

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           2.50

-------------------------------------------------------------------------------------------------------------
         Name: 100Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y008H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
    Rainfall Amount(in): 7.87

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          2.50

-------------------------------------------------------------------------------------------------------------
         Name: 100Y024H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y024H.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: FDOT-24
    Rainfall Amount(in): 10.60

Time(hrs)       Print Inc(min)
```

30.000	5.00

Name: 100Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y072H.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.75

Time(hrs)	Print Inc(min)
77.000	5.00

Name: 100Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y168H.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: FDOT-168
Rainfall Amount(in): 16.80

Time(hrs)	Print Inc(min)
173.000	5.00

Name: 100Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y240H.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: FDOT-240
Rainfall Amount(in): 18.50

Time(hrs)	Print Inc(min)
245.000	5.00

Name: 100yr24hr
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 10.60

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 3Yr24Hr
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\3Yr24Hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)
120.000	15.00

Name: SJR25Y24H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\SJR25Y24H.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 8.60

Time(hrs)	Print Inc(min)
120.000	15.00

Name: SJRMean
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\SJRMean.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.00

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

         Name: 002Y001H            Hydrology Sim: 002Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y001H.I32

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

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

002 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


--------------------------------------------------------------------------------
         Name: 002Y002H            Hydrology Sim: 002Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y002H.I32

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

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

002 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


--------------------------------------------------------------------------------
         Name: 002Y004H            Hydrology Sim: 002Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y004H.I32

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

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

002 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


--------------------------------------------------------------------------------
```

```
        Name: 002Y008H            Hydrology Sim: 002Y008H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y008H.I32

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

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

002 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 002Y024H            Hydrology Sim: 002Y024H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y024H.I32

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

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

002 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 002Y072H            Hydrology Sim: 002Y072H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y072H.I32

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

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

002 yr / 072 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 002Y168H            Hydrology Sim: 002Y168H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y168H.I32

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

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 173.00
    Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows: Mean Annual

002 yr / 168 hr
```

Time(hrs) Print Inc(min)
--- ---
999.000 5.000

Group Run
--- ---
BASE Yes

Name: 002Y240H Hydrology Sim: 002Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\002Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: Mean Annual

002 yr / 240 hr

Time(hrs) Print Inc(min)
--- ---
999.000 5.000

Group Run
--- ---
BASE Yes

Name: 005Y001H Hydrology Sim: 005Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y001H.I32

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

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

005 yr / 001 hr

Time(hrs) Print Inc(min)
--- ---
999.000 5.000

Group Run
--- ---
BASE Yes

Name: 005Y002H Hydrology Sim: 005Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y002H.I32

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

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

005 yr / 002 hr

Time(hrs) Print Inc(min)
--- ---
999.000 5.000

Group Run
--- ---
BASE Yes

Name: 005Y004H Hydrology Sim: 005Y004H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y004H.I32

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

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

005 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------
        Name: 005Y008H           Hydrology Sim: 005Y008H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y008H.I32

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

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

005 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------
        Name: 005Y024H           Hydrology Sim: 005Y024H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y024H.I32

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

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

005 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


------------------------------------------------------------------------------------------------------
        Name: 005Y072H           Hydrology Sim: 005Y072H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y072H.I32

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

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

005 yr / 072 hr

Time(hrs)       Print Inc(min)
```

999.000	5.000

Group	Run
BASE	Yes

Name: 005Y168H Hydrology Sim: 005Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: Mean Annual

005 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 005Y240H Hydrology Sim: 005Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\005Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: Mean Annual

005 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y001H Hydrology Sim: 010Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y001H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 10YR FLOW

010 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y002H Hydrology Sim: 010Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y002H.I32

Execute: Yes Restart: No Patch: No

```
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 4.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 10YR FLOW

010 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y004H            Hydrology Sim: 010Y004H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y004H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 6.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 10YR FLOW

010 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y008H            Hydrology Sim: 010Y008H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y008H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 12.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 10YR FLOW

010 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
        Name: 010Y024H            Hydrology Sim: 010Y024H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y024H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 30.00
    Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 10YR FLOW

010 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000
```

Group	Run
BASE	Yes

Name: 010Y072H Hydrology Sim: 010Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 10YR FLOW

010 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y168H Hydrology Sim: 010Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 10YR FLOW

010 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 010Y240H Hydrology Sim: 010Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\010Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 10YR FLOW

010 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y001H Hydrology Sim: 025Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y001H.I32

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

```
       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows: 25YR FLOW

025 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
        Name: 025Y002H           Hydrology Sim: 025Y002H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y002H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 4.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows: 25YR FLOW

025 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
        Name: 025Y004H           Hydrology Sim: 025Y004H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y004H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 6.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows: 25YR FLOW

025 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------
        Name: 025Y008H           Hydrology Sim: 025Y008H
    Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y008H.I32

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

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows: 25YR FLOW

025 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
```

BASE	Yes

Name: 025Y024H Hydrology Sim: 025Y024H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y024H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 30.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 25YR FLOW

025 yr / 024 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y072H Hydrology Sim: 025Y072H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y072H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 77.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 25YR FLOW

025 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y168H Hydrology Sim: 025Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 25YR FLOW

025 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 025Y240H Hydrology Sim: 025Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\025Y240H.I32

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

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

```
        Start Time(hrs): 0.000                    End Time(hrs): 245.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows: 25YR FLOW

025 yr / 240 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y001H            Hydrology Sim: 050Y001H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y001H.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 001 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y002H            Hydrology Sim: 050Y002H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y002H.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 4.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 002 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------------
         Name: 050Y004H            Hydrology Sim: 050Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y004H.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 6.00
     Min Calc Time(sec): 0.2500                Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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

```
         Name: 050Y008H            Hydrology Sim: 050Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y008H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 12.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


         Name: 050Y024H            Hydrology Sim: 050Y024H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y024H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 30.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


         Name: 050Y072H            Hydrology Sim: 050Y072H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y072H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 77.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
       Boundary Stages:                          Boundary Flows: 50YR FLOW

050 yr / 072 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


         Name: 050Y168H            Hydrology Sim: 050Y168H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y168H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 173.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
```

Boundary Stages: Boundary Flows: 50YR FLOW

050 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 050Y240H Hydrology Sim: 050Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\050Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 50YR FLOW

050 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y001H Hydrology Sim: 100Y001H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y001H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 100YR FLOW

100 yr / 001 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y002H Hydrology Sim: 100Y002H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y002H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 4.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 100YR FLOW

100 yr / 002 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

```
-------------------------------------------------------------------------------------------------------
         Name: 100Y004H            Hydrology Sim: 100Y004H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y004H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 6.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows: 100YR FLOW

100 yr / 004 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y008H            Hydrology Sim: 100Y008H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y008H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 12.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows: 100YR FLOW

100 yr / 008 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y024H            Hydrology Sim: 100Y024H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y024H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 30.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows: 100YR FLOW

100 yr / 024 hr

Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

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


-------------------------------------------------------------------------------------------------------
         Name: 100Y072H            Hydrology Sim: 100Y072H
     Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y072H.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                     End Time(hrs): 77.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows: 100YR FLOW
```

100 yr / 072 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y168H Hydrology Sim: 100Y168H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y168H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 173.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 100YR FLOW

100 yr / 168 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100Y240H Hydrology Sim: 100Y240H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100Y240H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 245.00
Min Calc Time(sec): 0.2500 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 100YR FLOW

100 yr / 240 hr

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 100yr24hr Hydrology Sim: 100yr24hr
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\100yr24hr.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 100YR FLOW

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Name: 3Yr24Hr Hydrology Sim: 3Yr24Hr

Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\3Yr24Hr.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: Mean Annual

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Name: SJR25Y24H Hydrology Sim: SJR25Y24H
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\SJR25Y24H.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: 25YR FLOW

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

Name: SJRMean Hydrology Sim: SJRMean
Filename: G:\JOBS\200230_002 SR15 - 24019613201\DOCS\DRAINAGE\ICPR\SUNLAND PARK VAULT (BASIN D)\SJRMean.I32

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

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 25.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows: Mean Annual

Time(hrs)	Print Inc(min)
25.000	5.000

Group	Run
BASE	Yes

==========
==== Boundary Conditions ====
==========

Name: 2y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 5y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 3y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 10y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 25y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 50y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 100y24h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 2y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.120
15.000	13.650
18.400	13.830
20.800	13.760
25.700	13.530
29.600	13.450
34.500	13.620
38.200	14.200
40.400	14.350
41.000	14.370
43.300	14.300
48.600	13.840
53.300	13.650
58.600	13.980
62.300	14.850
63.600	15.030
65.100	15.100
66.900	15.010
73.200	14.190
76.900	13.810
78.800	13.650
85.300	13.000
96.000	13.000

Name: 5y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.150
15.000	13.850
18.400	14.080
20.800	13.990
25.700	13.690
29.600	13.580
34.500	13.810
38.200	14.570
40.400	14.770
41.000	14.790
43.300	14.710
48.600	14.100
53.300	13.850
58.600	14.280
62.300	15.420
63.600	15.660
65.100	15.750
66.900	15.630
73.200	14.560
76.900	14.060
78.800	13.850
85.300	13.000
96.000	13.000

Name: 10y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.180
15.000	13.990
18.400	14.260
20.800	14.150
25.700	13.800
29.600	13.680
34.500	13.940
38.200	14.830
40.400	15.060
41.000	15.080
43.300	14.980
48.600	14.280
53.300	13.990
58.600	14.490
62.300	15.810
63.600	16.090
65.100	16.200
66.900	16.060
73.200	14.820
76.900	14.240
78.800	13.990
85.300	13.000
96.000	13.000

Name: 25y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.210
15.000	14.180
18.400	14.500
20.800	14.370
25.700	13.950
29.600	13.810
34.500	14.120
38.200	15.170
40.400	15.450
41.000	15.470
43.300	15.360
48.600	14.520
53.300	14.180
58.600	14.770
62.300	16.340
63.600	16.670
65.100	16.800
66.900	16.640
73.200	15.160

76.900	14.470
78.800	14.180
85.300	13.000
96.000	13.000

Name: 50y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.240
15.000	14.320
18.400	14.670
20.800	14.530
25.700	14.060
29.600	13.900
34.500	14.260
38.200	15.420
40.400	15.740
41.000	15.770
43.300	15.640
48.600	14.700
53.300	14.320
58.600	14.980
62.300	16.740
63.600	17.110
65.100	17.250
66.900	17.070
73.200	15.420
76.900	14.640
78.800	14.320
85.300	13.000
96.000	13.000

Name: 100y72h Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
10.700	13.260
15.000	14.460
18.400	14.850
20.800	14.690
25.700	14.180
29.600	14.000
34.500	14.390
38.200	15.680
40.400	16.030
41.000	16.060
43.300	15.910
48.600	14.880
53.300	14.460
58.600	15.190
62.300	17.130
63.600	17.540
65.100	17.700
66.900	17.500
73.200	15.670
76.900	14.820
78.800	14.460
85.300	13.000
96.000	13.000

Name: 2y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.310
41.300	14.070
42.900	14.110
51.500	13.620
74.000	13.500
82.000	13.290
97.300	13.190
121.400	13.260
128.400	13.490
138.600	13.650
152.300	13.740

160.900	15.000
161.900	15.100
163.600	15.030
168.000	14.420
172.800	13.900
178.500	13.360
187.600	13.000
200.000	13.000

Name: 5y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.400
41.300	14.400
42.900	14.460
51.500	13.820
74.000	13.660
82.000	13.380
97.300	13.250
121.400	13.340
128.400	13.640
138.600	13.850
152.300	13.970
160.900	15.620
161.900	15.750
163.600	15.660
168.000	14.860
172.800	14.180
178.500	13.470
187.600	13.000
200.000	13.000

Name: 10y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.470
41.300	14.630
42.900	14.690
51.500	13.950
74.000	13.770
82.000	13.450
97.300	13.290
121.400	13.400
128.400	13.740
138.600	13.990
152.300	14.130
160.900	16.050
161.900	16.200
163.600	16.100
168.000	15.160
172.800	14.370
178.500	13.540
187.600	13.000
200.000	13.000

Name: 25y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.560
41.300	14.930
42.900	15.010
51.500	14.130
74.000	13.910
82.000	13.530
97.300	13.350
121.400	13.470
128.400	13.880
138.600	14.170
152.300	14.340
160.900	16.620
161.900	16.800
163.600	16.680
168.000	15.570

172.800	14.630
178.500	13.640
187.600	13.000
200.000	13.000

Name: 50y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.620
41.300	15.160
42.900	15.250
51.500	14.260
74.000	14.020
82.000	13.590
97.300	13.390
121.400	13.530
128.400	13.990
138.600	14.310
152.300	14.500
160.900	17.050
161.900	17.250
163.600	17.110
168.000	15.870
172.800	14.820
178.500	13.720
187.600	13.000
200.000	13.000

Name: 100y7dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
6.700	13.000
33.500	13.690
41.300	15.390
42.900	15.490
51.500	14.390
74.000	14.130
82.000	13.660
97.300	13.430
121.400	13.590
128.400	14.090
138.600	14.450
152.300	14.660
160.900	17.480
161.900	17.700
163.600	17.550
168.000	16.180
172.800	15.010
178.500	13.800
187.600	13.000
200.000	13.000

Name: 100y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.140
33.000	13.440
40.900	15.100
43.000	15.260
48.700	14.530
57.100	13.990
65.100	13.800
74.400	13.690
82.400	13.370
86.800	13.290
93.800	13.220
117.500	13.170
146.900	13.190
154.100	13.400
169.700	13.520
176.900	14.270
183.000	16.810
185.100	17.570
186.300	17.700

189.900	16.810
195.000	15.540
200.000	14.810
209.500	14.140
218.000	13.920
224.000	14.230
232.500	13.440
241.600	13.380
255.000	13.000
270.000	13.000

Name: 50y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.130
33.000	13.400
40.900	14.900
43.000	15.050
48.700	14.380
57.100	13.900
65.100	13.730
74.400	13.620
82.400	13.330
86.800	13.260
93.800	13.200
117.500	13.150
146.900	13.180
154.100	13.360
169.700	13.470
176.900	14.150
183.000	16.450
185.100	17.130
186.300	17.250
189.900	16.450
195.000	15.300
200.000	14.630
209.500	14.030
218.000	13.830
224.000	14.110
232.500	13.390
241.600	13.340
255.000	13.000
270.000	13.000

Name: 25y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.110
33.000	13.360
40.900	14.700
43.000	14.830
48.700	14.240
57.100	13.800
65.100	13.650
74.400	13.550
82.400	13.300
86.800	13.240
93.800	13.180
117.500	13.130
146.900	13.160
154.100	13.320
169.700	13.420
176.900	14.030
183.000	16.080
185.100	16.690
186.300	16.800
189.900	16.080
195.000	15.050
200.000	14.460
209.500	13.920
218.000	13.740
224.000	13.990
232.500	13.350
241.600	13.310
255.000	13.000
270.000	13.000

Name: 10y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.090
33.000	13.300
40.900	14.430
43.000	14.540
48.700	14.040
57.100	13.670
65.100	13.550
74.400	13.470
82.400	13.250
86.800	13.200
93.800	13.150
117.500	13.110
146.900	13.130
154.100	13.270
169.700	13.350
176.900	13.860
183.000	15.590
185.100	16.110
186.300	16.200
189.900	15.590
195.000	14.730
200.000	14.230
209.500	13.780
218.000	13.630
224.000	13.840
232.500	13.300
241.600	13.260
255.000	13.000
270.000	13.000

Name: 5y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.080
33.000	13.260
40.900	14.230
43.000	14.320
48.700	13.900
57.100	13.580
65.100	13.470
74.400	13.400
82.400	13.210
86.800	13.170
93.800	13.130
117.500	13.100
146.900	13.110
154.100	13.230
169.700	13.300
176.900	13.740
183.000	15.230
185.100	15.670
186.300	15.750
189.900	15.230
195.000	14.490
200.000	14.060
209.500	13.670
218.000	13.540
224.000	13.720
232.500	13.260
241.600	13.220
255.000	13.000
270.000	13.000

Name: 2y10dy Node: ExTw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	13.000
10.300	13.000
26.600	13.060
33.000	13.200
40.900	13.940
43.000	14.010

48.700	13.680
57.100	13.440
65.100	13.360
74.400	13.310
82.400	13.160
86.800	13.130
93.800	13.100
117.500	13.070
146.900	13.090
154.100	13.180
169.700	13.230
176.900	13.570
183.000	14.700
185.100	15.040
186.300	15.100
189.900	14.700
195.000	14.140
200.000	13.810
209.500	13.510
218.000	13.410
224.000	13.550
232.500	13.190
241.600	13.170
255.000	13.000
270.000	13.000

Name: 2y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 5y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 3y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 25y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 10y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 50y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)
0.000	33.000
40.000	33.000
120.000	33.000

Name: 100y24h Node: Tw-out Type: Stage

Time(hrs)	Stage(ft)

0.000	33.000
40.000	33.000
120.000	33.000

Name: 25YR FLOW Node: LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	111.000
240.000	111.000

Name: 100YR FLOW Node: Ex LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	147.000
240.000	147.000

Name: Mean Annual Node: Ex LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	58.000
240.000	58.000

Name: Mean Annual Node: LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	58.000
240.000	58.000

Name: 25YR FLOW Node: Ex LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	111.000
240.000	111.000

Name: 100YR FLOW Node: LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	147.000
240.000	147.000

Name: 10YR FLOW Node: Ex LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	88.000
240.000	88.000

Name: 10YR FLOW Node: LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	88.000
240.000	88.000

Name: 50YR FLOW Node: Ex LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	134.000
240.000	134.000

Name: 50YR FLOW Node: LAKE MINNIE Type: Flow

Time(hrs)	Flow(cfs)
0.000	134.000
240.000	134.000

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y001H	002Y001H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.250	2.250	2.250	2.250	2.250
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.68	0.78	0.81	0.72	0.72
Flow Max(cfs):	12.390	22.723	7.996	2.913	14.970
Runoff Volume(in):	1.519	1.787	1.389	1.391	1.323
Runoff Volume(ft3):	24487.356	59922.270	20771.865	6565.543	33629.746

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y001H	002Y001H	002Y001H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.250	2.250	2.250	2.250	2.250
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.67	0.72	0.67	0.87	0.67
Flow Max(cfs):	2.888	6.820	8.025	1.461	8.025
Runoff Volume(in):	1.325	1.302	0.829	0.925	0.829
Runoff Volume(ft3):	5195.481	15307.204	13877.800	3995.308	13877.800

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y001H	002Y001H	002Y002H	002Y002H	002Y002H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-1	FDOT-1	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.250	2.250	2.700	2.700	2.700
Duration(hrs):	1.00	1.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.87	0.67	0.85	0.93	0.96
Flow Max(cfs):	1.461	8.064	10.427	19.231	6.891
Runoff Volume(in):	0.925	1.225	1.941	2.216	1.794
Runoff Volume(ft3):	3995.308	14364.545	31281.559	74327.592	26836.927

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y002H	002Y002H	002Y002H	002Y002H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0

Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	2.700	2.700	2.700	2.700	2.700
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.91	0.91	0.84	0.91	0.84
Flow Max(cfs):	2.496	12.889	2.456	5.882	7.086
Runoff Volume(in):	1.794	1.719	1.728	1.695	1.160
Runoff Volume(ft3):	8464.572	43679.322	6773.248	19930.773	19409.978

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y002H	002Y002H	002Y002H	002Y002H	002Y004H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-4
Rain Amount(in):	2.700	2.700	2.700	2.700	3.250
Duration(hrs):	2.00	2.00	2.00	2.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	1.04	0.84	1.04	0.84	2.05
Flow Max(cfs):	1.275	7.086	1.275	6.908	6.312
Runoff Volume(in):	1.268	1.160	1.268	1.616	2.465
Runoff Volume(ft3):	5476.393	19409.978	5476.393	18948.254	39724.630

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y004H	002Y004H	002Y004H	002Y004H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	3.250	3.250	3.250	3.250	3.250
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.15	2.52	2.12	2.12	2.04
Flow Max(cfs):	13.002	5.025	1.657	8.623	1.448
Runoff Volume(in):	2.763	2.314	2.311	2.230	2.234
Runoff Volume(ft3):	92667.999	34600.790	10907.071	56657.175	8757.204

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y004H	002Y004H	002Y004H	002Y004H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	3.250	3.250	3.250	3.250	3.250
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10

Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.12	2.51	2.61	2.51	2.61
Flow Max(cfs):	3.945	4.540	1.121	4.540	1.121
Runoff Volume(in):	2.203	1.593	1.719	1.593	1.719
Runoff Volume(ft3):	25909.825	26662.651	7425.148	26662.651	7425.148

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y004H	002Y008H	002Y008H	002Y008H	002Y008H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-4	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	3.250	3.700	3.700	3.700	3.700
Duration(hrs):	4.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	3.99	4.01	4.04	4.00
Flow Max(cfs):	4.115	6.393	13.153	5.266	1.753
Runoff Volume(in):	2.111	2.897	3.209	2.739	2.739
Runoff Volume(ft3):	24750.053	46698.987	107617.026	40958.075	12924.108

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y008H	002Y008H	002Y008H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	3.700	3.700	3.700	3.700	3.700
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.04	4.00	4.04	4.00	4.12
Flow Max(cfs):	9.226	1.486	4.238	5.087	1.175
Runoff Volume(in):	2.653	2.656	2.624	1.965	2.105
Runoff Volume(ft3):	67404.521	10411.420	30866.040	32890.996	9090.875

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y008H	002Y008H	002Y008H	002Y024H	002Y024H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-24	FDOT-24
Rain Amount(in):	3.700	3.700	3.700	4.700	4.700
Duration(hrs):	8.00	8.00	8.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.12	4.00	12.00	12.03
Flow Max(cfs):	5.087	1.175	4.301	1.963	4.185

Runoff Volume(in):	1.965	2.105	2.525	3.873	4.200
Runoff Volume(ft3):	32890.996	9090.875	29609.759	62421.114	140887.661

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y024H	002Y024H	002Y024H	002Y024H	002Y024H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.700	4.700	4.700	4.700	4.700
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.01	12.01	12.01	12.00	12.01
Flow Max(cfs):	1.727	0.553	2.926	0.456	1.346
Runoff Volume(in):	3.702	3.703	3.609	3.610	3.578
Runoff Volume(ft3):	55359.396	17473.733	91710.259	14151.551	42085.036

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y024H	002Y024H	002Y024H	002Y024H	002Y024H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	4.700	4.700	4.700	4.700	4.700
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.06	12.00	12.06	12.00
Flow Max(cfs):	1.595	0.414	1.595	0.414	1.325
Runoff Volume(in):	2.832	2.997	2.832	2.997	3.467
Runoff Volume(ft3):	47385.793	12944.152	47385.793	12944.152	40645.566

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y072H	002Y072H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	5.800	5.800	5.800	5.800	5.800
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	60.00	59.99	59.98	59.99	59.99
Flow Max(cfs):	1.259	2.657	1.156	0.365	1.952
Runoff Volume(in):	4.953	5.295	4.774	4.774	4.674
Runoff Volume(ft3):	79835.795	177597.722	71402.423	22527.777	118775.414

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y072H	002Y072H	002Y072H

Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	5.800	5.800	5.800	5.800	5.800
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	60.00	59.97	60.00
Flow Max(cfs):	0.301	0.902	1.187	0.312	1.187
Runoff Volume(in):	4.675	4.641	3.826	4.011	3.826
Runoff Volume(ft3):	18328.669	54588.106	64018.874	17325.574	64018.874

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y072H	002Y072H	002Y168H	002Y168H	002Y168H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-72	FDOT-72	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	5.800	5.800	7.300	7.300	7.300
Duration(hrs):	72.00	72.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.98	159.98	159.96	159.96
Flow Max(cfs):	0.312	0.891	0.950	1.992	0.877
Runoff Volume(in):	4.011	4.522	6.435	6.789	6.248
Runoff Volume(ft3):	17325.574	53020.292	103721.625	227718.889	93435.185

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y168H	002Y168H	002Y168H	002Y168H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	7.300	7.300	7.300	7.300	7.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	159.98	160.00	159.98	160.00
Flow Max(cfs):	0.277	1.485	0.229	0.687	0.935
Runoff Volume(in):	6.248	6.143	6.143	6.108	5.223
Runoff Volume(ft3):	29485.298	156096.959	24083.875	71839.426	87398.426

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y168H	002Y168H	002Y168H	002Y168H	002Y240H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-240

Rain Amount(in):	7.300	7.300	7.300	7.300	8.200
Duration(hrs):	168.00	168.00	168.00	168.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.96	160.00	159.96	160.00	184.00
Flow Max(cfs):	0.244	0.935	0.244	0.681	1.249
Runoff Volume(in):	5.426	5.223	5.426	5.980	7.328
Runoff Volume(ft3):	23440.504	87398.426	23440.504	70119.122	118109.095

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	002Y240H	002Y240H	002Y240H	002Y240H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	8.200	8.200	8.200	8.200	8.200
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	183.97	183.97	183.97	184.00
Flow Max(cfs):	2.620	1.152	0.364	1.951	0.301
Runoff Volume(in):	7.688	7.136	7.137	7.029	7.029
Runoff Volume(ft3):	257850.527	106729.441	33679.312	178616.407	27557.837

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	002Y240H	002Y240H	002Y240H	002Y240H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	8.200	8.200	8.200	8.200	8.200
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	184.00	183.97	184.00	183.97
Flow Max(cfs):	0.902	1.224	0.320	1.224	0.320
Runoff Volume(in):	6.994	6.076	6.290	6.076	6.290
Runoff Volume(ft3):	82252.261	101679.544	27171.322	101679.544	27171.322

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	002Y240H	005Y001H	005Y001H	005Y001H	005Y001H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-240	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	8.200	2.750	2.750	2.750	2.750
Duration(hrs):	240.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000

Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	0.66	0.78	0.81	0.72
Flow Max(cfs):	0.894	16.054	28.708	10.515	3.840
Runoff Volume(in):	6.862	1.987	2.274	1.843	1.846
Runoff Volume(ft3):	80457.562	32029.135	76263.655	27569.706	8713.430

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y001H	005Y001H	005Y001H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	2.750	2.750	2.750	2.750	2.750
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.72	0.64	0.72	0.67	0.87
Flow Max(cfs):	19.905	3.826	9.095	11.485	2.049
Runoff Volume(in):	1.771	1.773	1.746	1.198	1.312
Runoff Volume(ft3):	44999.279	6951.468	20538.527	20049.613	5668.426

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y001H	005Y001H	005Y001H	005Y002H	005Y002H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-2	FDOT-2
Rain Amount(in):	2.750	2.750	2.750	3.500	3.500
Duration(hrs):	1.00	1.00	1.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.67	0.87	0.64	0.85	0.93
Flow Max(cfs):	11.485	2.049	10.791	14.399	25.895
Runoff Volume(in):	1.198	1.312	1.660	2.705	2.999
Runoff Volume(ft3):	20049.613	5668.426	19467.938	43592.982	100592.115

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y002H	005Y002H	005Y002H	005Y002H	005Y002H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.500	3.500	3.500	3.500	3.500
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.96	0.91	0.91	0.84	0.91
Flow Max(cfs):	9.755	3.520	18.364	3.467	8.409
Runoff Volume(in):	2.541	2.540	2.456	2.467	2.428
Runoff Volume(ft3):	37999.544	11985.624	62401.239	9673.400	28558.300

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y002H	005Y002H	005Y002H	005Y002H	005Y002H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.500	3.500	3.500	3.500	3.500
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.99	0.84	0.99	0.84
Flow Max(cfs):	11.027	1.961	11.027	1.961	9.905
Runoff Volume(in):	1.798	1.929	1.798	1.929	2.340
Runoff Volume(ft3):	30095.135	8332.274	30095.135	8332.274	27439.580

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y004H	005Y004H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.130	4.130	4.130	4.130	4.130
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.05	2.15	2.52	2.12	2.12
Flow Max(cfs):	8.392	16.937	6.697	2.243	11.771
Runoff Volume(in):	3.315	3.631	3.151	3.148	3.058
Runoff Volume(ft3):	53431.978	121781.277	47124.634	14855.609	77714.331

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y004H	005Y004H	005Y004H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.130	4.130	4.130	4.130	4.130
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.12	2.07	2.61	2.07
Flow Max(cfs):	1.963	5.401	6.522	1.582	6.522
Runoff Volume(in):	3.064	3.029	2.332	2.479	2.332
Runoff Volume(ft3):	12010.787	35623.388	39029.948	10707.913	39029.948

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y004H	005Y004H	005Y008H	005Y008H	005Y008H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323

Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-4	FDOT-4	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.130	4.130	4.730	4.730	4.730
Duration(hrs):	4.00	4.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.61	2.04	3.99	4.01	4.04
Flow Max(cfs):	1.582	5.653	8.405	17.064	7.044
Runoff Volume(in):	2.479	2.927	3.900	4.228	3.728
Runoff Volume(ft3):	10707.913	34322.143	62853.537	141808.939	55759.299

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y008H	005Y008H	005Y008H	005Y008H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	4.730	4.730	4.730	4.730	4.730
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.00	4.00	4.00	4.00
Flow Max(cfs):	2.337	12.377	1.981	5.696	7.193
Runoff Volume(in):	3.728	3.635	3.639	3.604	2.858
Runoff Volume(ft3):	17594.530	92356.494	14264.759	42383.467	47831.379

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y008H	005Y008H	005Y008H	005Y008H	005Y024H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-24
Rain Amount(in):	4.730	4.730	4.730	4.730	6.200
Duration(hrs):	8.00	8.00	8.00	8.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.12	4.00	4.12	4.00	12.00
Flow Max(cfs):	1.664	7.193	1.664	5.786	2.656
Runoff Volume(in):	3.019	2.858	3.019	3.495	5.348
Runoff Volume(ft3):	13040.137	47831.379	13040.137	40980.377	86194.887

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y024H	005Y024H	005Y024H	005Y024H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	6.200	6.200	6.200	6.200	6.200
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite

TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.03	12.01	12.01	12.01	12.00
Flow Max(cfs):	5.581	2.365	0.757	4.027	0.627
Runoff Volume(in):	5.691	5.164	5.166	5.065	5.065
Runoff Volume(ft3):	190892.255	77233.762	24377.841	128693.882	19858.263

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y024H	005Y024H	005Y024H	005Y024H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	6.200	6.200	6.200	6.200	6.200
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.01	12.00	12.06	12.00	12.06
Flow Max(cfs):	1.856	2.330	0.598	2.330	0.598
Runoff Volume(in):	5.031	4.194	4.383	4.194	4.383
Runoff Volume(ft3):	59171.853	70190.079	18934.115	70190.079	18934.115

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y024H	005Y072H	005Y072H	005Y072H	005Y072H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-24	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	6.200	7.630	7.630	7.630	7.630
Duration(hrs):	24.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	60.00	59.99	59.98	59.99
Flow Max(cfs):	1.839	1.671	3.507	1.540	0.486
Runoff Volume(in):	4.909	6.763	7.118	6.573	6.573
Runoff Volume(ft3):	57560.333	108997.724	238742.393	98308.775	31016.954

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y072H	005Y072H	005Y072H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	7.630	7.630	7.630	7.630	7.630
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.98	59.99	59.98	59.97

Flow Max(cfs):	2.606	0.402	1.205	1.628	0.426
Runoff Volume(in):	6.467	6.468	6.431	5.535	5.742
Runoff Volume(ft3):	164319.565	25356.573	75641.255	92618.466	24805.178

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y072H	005Y072H	005Y072H	005Y168H	005Y168H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-168	FDOT-168
Rain Amount(in):	7.630	7.630	7.630	9.400	9.400
Duration(hrs):	72.00	72.00	72.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.97	59.98	159.98	159.96
Flow Max(cfs):	1.628	0.426	1.195	1.229	2.569
Runoff Volume(in):	5.535	5.742	6.303	8.520	8.884
Runoff Volume(ft3):	92618.466	24805.178	73905.453	137315.844	297987.020

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y168H	005Y168H	005Y168H	005Y168H	005Y168H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	9.400	9.400	9.400	9.400	9.400
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.96	159.98	159.98	160.00	159.98
Flow Max(cfs):	1.136	0.359	1.926	0.297	0.891
Runoff Volume(in):	8.324	8.325	8.214	8.215	8.178
Runoff Volume(ft3):	124486.851	39284.132	208727.966	32204.189	96178.388

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y168H	005Y168H	005Y168H	005Y168H	005Y168H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	9.400	9.400	9.400	9.400	9.400
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.96	160.00	159.96	160.00
Flow Max(cfs):	1.232	0.320	1.232	0.320	0.886
Runoff Volume(in):	7.226	7.448	7.226	7.448	8.043
Runoff Volume(ft3):	120915.278	32172.348	120915.278	32172.348	94298.413

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE

Simulation:	005Y240H	005Y240H	005Y240H	005Y240H	005Y240H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.96	183.97	183.97	183.97
Flow Max(cfs):	1.622	3.393	1.500	0.473	2.542
Runoff Volume(in):	9.714	10.083	9.515	9.516	9.403
Runoff Volume(ft3):	156563.778	338209.430	142300.491	44903.947	238934.003

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	005Y240H	005Y240H	005Y240H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.97	184.00	183.97	184.00
Flow Max(cfs):	0.392	1.176	1.621	0.422	1.621
Runoff Volume(in):	9.403	9.366	8.385	8.617	8.385
Runoff Volume(ft3):	36863.943	110150.488	140320.633	37223.853	140320.633

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	005Y240H	005Y240H	010Y001H	010Y001H	010Y001H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-240	FDOT-240	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	10.600	10.600	3.050	3.050	3.050
Duration(hrs):	240.00	240.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	184.00	0.66	0.78	0.81
Flow Max(cfs):	0.422	1.168	18.282	32.302	12.046
Runoff Volume(in):	8.617	9.227	2.272	2.568	2.122
Runoff Volume(ft3):	37223.853	108190.295	36621.217	86127.300	31732.014

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y001H	010Y001H	010Y001H	010Y001H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33

Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.050	3.050	3.050	3.050	3.050
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.72	0.72	0.64	0.72	0.67
Flow Max(cfs):	4.403	22.912	4.397	10.483	13.654
Runoff Volume(in):	2.125	2.046	2.048	2.020	1.433
Runoff Volume(ft3):	10028.532	51983.814	8030.175	23755.902	23973.406

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y001H	010Y001H	010Y001H	010Y001H	010Y002H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-2
Rain Amount(in):	3.050	3.050	3.050	3.050	3.750
Duration(hrs):	1.00	1.00	1.00	1.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.87	0.67	0.87	0.64	0.85
Flow Max(cfs):	2.417	13.654	2.417	12.477	15.642
Runoff Volume(in):	1.556	1.433	1.556	1.929	2.946
Runoff Volume(ft3):	6723.305	23973.406	6723.305	22620.036	47483.886

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y002H	010Y002H	010Y002H	010Y002H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.750	3.750	3.750	3.750	3.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.93	0.96	0.91	0.91	0.84
Flow Max(cfs):	27.976	10.659	3.842	20.091	3.784
Runoff Volume(in):	3.245	2.778	2.777	2.690	2.703
Runoff Volume(ft3):	108836.542	41543.432	13103.489	68361.334	10596.569

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y002H	010Y002H	010Y002H	010Y002H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.750	3.750	3.750	3.750	3.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190

Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.91	0.84	0.99	0.84	0.99
Flow Max(cfs):	9.207	12.303	2.186	12.303	2.186
Runoff Volume(in):	2.662	2.008	2.144	2.008	2.144
Runoff Volume(ft3):	31307.443	33596.324	9261.520	33596.324	9261.520

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y002H	010Y004H	010Y004H	010Y004H	010Y004H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-2	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	3.750	4.680	4.680	4.680	4.680
Duration(hrs):	2.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	2.05	2.15	2.22	2.12
Flow Max(cfs):	10.850	9.684	19.385	7.762	2.608
Runoff Volume(in):	2.572	3.852	4.175	3.681	3.678
Runoff Volume(ft3):	30154.662	62079.281	140042.401	55055.922	17356.236

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y004H	010Y004H	010Y004H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.680	4.680	4.680	4.680	4.680
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.12	2.04	2.12	2.04	2.61
Flow Max(cfs):	13.741	2.284	6.313	7.858	1.874
Runoff Volume(in):	3.584	3.590	3.554	2.814	2.971
Runoff Volume(ft3):	91081.714	14076.141	41794.780	47089.168	12833.316

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y004H	010Y004H	010Y004H	010Y008H	010Y008H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-8	FDOT-8
Rain Amount(in):	4.680	4.680	4.680	5.430	5.430
Duration(hrs):	4.00	4.00	4.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.61	2.04	3.99	4.01
Flow Max(cfs):	7.858	1.874	6.615	9.763	19.709
Runoff Volume(in):	2.814	2.971	3.448	4.586	4.923
Runoff Volume(ft3):	47089.168	12833.316	40422.563	73918.484	165114.799

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y008H	010Y008H	010Y008H	010Y008H	010Y008H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	5.430	5.430	5.430	5.430	5.430
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.04	4.00	4.00	4.00	4.00
Flow Max(cfs):	8.246	2.731	14.509	2.315	6.684
Runoff Volume(in):	4.408	4.409	4.311	4.315	4.279
Runoff Volume(ft3):	65931.153	20804.186	109539.738	16918.324	50320.674

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y008H	010Y008H	010Y008H	010Y008H	010Y008H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	5.430	5.430	5.430	5.430	5.430
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.06	4.00	4.06	4.00
Flow Max(cfs):	8.636	2.003	8.636	2.003	6.790
Runoff Volume(in):	3.488	3.659	3.488	3.659	4.165
Runoff Volume(ft3):	58363.131	15807.716	58363.131	15807.716	48837.840

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y024H	010Y024H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.250	7.250	7.250	7.250	7.250
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.03	12.01	12.01	12.01
Flow Max(cfs):	3.138	6.554	2.809	0.898	4.792
Runoff Volume(in):	6.386	6.737	6.196	6.198	6.093
Runoff Volume(ft3):	102929.860	225967.323	92670.246	29249.971	154833.791

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y024H	010Y024H	010Y024H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS

Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.250	7.250	7.250	7.250	7.250
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.01	12.00	12.06	12.00
Flow Max(cfs):	0.746	2.210	2.846	0.728	2.846
Runoff Volume(in):	6.094	6.059	5.176	5.377	5.176
Runoff Volume(ft3):	23891.742	71255.412	86611.706	23226.642	86611.706

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y024H	010Y024H	010Y072H	010Y072H	010Y072H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-24	FDOT-24	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	7.250	7.250	8.830	8.830	8.830
Duration(hrs):	24.00	24.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.06	12.00	60.00	59.99	59.98
Flow Max(cfs):	0.728	2.195	1.940	4.063	1.790
Runoff Volume(in):	5.377	5.932	7.954	8.315	7.760
Runoff Volume(ft3):	23226.642	69547.654	128192.664	278891.736	116049.869

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y072H	010Y072H	010Y072H	010Y072H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	8.830	8.830	8.830	8.830	8.830
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.99	59.98	59.99	59.98
Flow Max(cfs):	0.565	3.033	0.468	1.402	1.916
Runoff Volume(in):	7.759	7.650	7.651	7.613	6.678
Runoff Volume(ft3):	36614.421	194383.062	29995.655	89543.760	111755.510

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y072H	010Y072H	010Y072H	010Y072H	010Y168H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-168
Rain Amount(in):	8.830	8.830	8.830	8.830	11.250
Duration(hrs):	72.00	72.00	72.00	72.00	168.00

Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.98	59.97	59.98	159.98
Flow Max(cfs):	0.499	1.916	0.499	1.392	1.474
Runoff Volume(in):	6.897	6.678	6.897	7.481	10.361
Runoff Volume(ft3):	29791.972	111755.510	29791.972	87717.869	166988.085

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y168H	010Y168H	010Y168H	010Y168H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	11.250	11.250	11.250	11.250	11.250
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.96	159.96	159.98	159.98	160.00
Flow Max(cfs):	3.076	1.364	0.430	2.314	0.357
Runoff Volume(in):	10.731	10.160	10.161	10.048	10.048
Runoff Volume(ft3):	359946.947	151947.309	47949.700	255309.064	39391.076

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y168H	010Y168H	010Y168H	010Y168H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	11.250	11.250	11.250	11.250	11.250
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	160.00	159.96	160.00	159.96
Flow Max(cfs):	1.070	1.491	0.387	1.491	0.387
Runoff Volume(in):	10.010	9.016	9.250	9.016	9.250
Runoff Volume(ft3):	117725.652	150881.493	39957.753	150881.493	39957.753

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y168H	010Y240H	010Y240H	010Y240H	010Y240H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-168	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	11.250	12.500	12.500	12.500	12.500
Duration(hrs):	168.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000

Time Max(hrs):	160.00	184.00	183.96	183.97	183.97
Flow Max(cfs):	1.065	1.917	4.004	1.774	0.560
Runoff Volume(in):	9.870	11.607	11.981	11.404	11.404
Runoff Volume(ft3):	115727.825	187069.816	401872.777	170546.842	53817.231

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	010Y240H	010Y240H	010Y240H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	12.500	12.500	12.500	12.500	12.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	184.00	183.97	184.00	183.97
Flow Max(cfs):	3.008	0.464	1.392	1.933	0.502
Runoff Volume(in):	11.289	11.289	11.251	10.235	10.477
Runoff Volume(ft3):	286861.732	44258.478	132323.138	171279.405	45259.589

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	010Y240H	010Y240H	010Y240H	025Y001H	025Y001H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-1	FDOT-1
Rain Amount(in):	12.500	12.500	12.500	3.450	3.450
Duration(hrs):	240.00	240.00	240.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.97	184.00	0.66	0.73
Flow Max(cfs):	1.933	0.502	1.384	21.260	37.152
Runoff Volume(in):	10.235	10.477	11.109	2.655	2.961
Runoff Volume(ft3):	171279.405	45259.589	130250.935	42799.184	99325.831

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y001H	025Y001H	025Y001H	025Y001H	025Y001H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.450	3.450	3.450	3.450	3.450
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.76	0.72	0.72	0.64	0.72
Flow Max(cfs):	14.102	5.159	26.956	5.162	12.350
Runoff Volume(in):	2.498	2.501	2.418	2.421	2.390
Runoff Volume(ft3):	37351.645	11804.042	61433.716	9489.611	28112.119

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5

Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y001H	025Y001H	025Y001H	025Y001H	025Y001H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.450	3.450	3.450	3.450	3.450
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.67	0.87	0.67	0.87	0.64
Flow Max(cfs):	16.624	2.918	16.624	2.918	14.747
Runoff Volume(in):	1.757	1.892	1.757	1.892	2.294
Runoff Volume(ft3):	29402.998	8174.964	29402.998	8174.964	26899.628

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y002H	025Y002H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.300	4.300	4.300	4.300	4.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.85	0.93	0.96	0.91	0.91
Flow Max(cfs):	18.373	32.550	12.654	4.552	23.906
Runoff Volume(in):	3.480	3.787	3.303	3.302	3.211
Runoff Volume(ft3):	56093.223	127014.750	49403.817	15582.937	81600.305

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y002H	025Y002H	025Y002H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.300	4.300	4.300	4.300	4.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.91	0.84	0.99	0.84
Flow Max(cfs):	4.482	10.971	15.159	2.693	15.159
Runoff Volume(in):	3.226	3.181	2.480	2.628	2.480
Runoff Volume(ft3):	12647.067	37417.120	41498.553	11350.589	41498.553

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y002H	025Y002H	025Y004H	025Y004H	025Y004H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03

Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-2	FDOT-2	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	4.300	4.300	5.450	5.450	5.450
Duration(hrs):	2.00	2.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.99	0.84	2.05	2.15	2.17
Flow Max(cfs):	2.693	12.934	11.486	22.799	9.292
Runoff Volume(in):	2.628	3.087	4.607	4.939	4.430
Runoff Volume(ft3):	11350.589	36199.913	74251.656	165660.429	66246.585

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y004H	025Y004H	025Y004H	025Y004H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.450	5.450	5.450	5.450	5.450
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.12	2.12	2.02	2.12	2.04
Flow Max(cfs):	3.118	16.494	2.733	7.588	9.760
Runoff Volume(in):	4.426	4.328	4.335	4.295	3.506
Runoff Volume(ft3):	20884.534	109970.159	16994.481	50519.536	58667.605

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y004H	025Y004H	025Y004H	025Y004H	025Y008H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-8
Rain Amount(in):	5.450	5.450	5.450	5.450	6.400
Duration(hrs):	4.00	4.00	4.00	4.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.55	2.04	2.55	2.04	3.99
Flow Max(cfs):	2.287	9.760	2.287	7.961	11.635
Runoff Volume(in):	3.675	3.506	3.675	4.185	5.542
Runoff Volume(ft3):	15874.069	58667.605	15874.069	49063.587	89322.303

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y008H	025Y008H	025Y008H	025Y008H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	6.400	6.400	6.400	6.400	6.400
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00

Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.01	4.04	4.00	4.00	4.00
Flow Max(cfs):	23.361	9.903	3.275	17.447	2.774
Runoff Volume(in):	5.887	5.357	5.357	5.255	5.261
Runoff Volume(ft3):	197465.204	80120.576	25281.555	133540.496	20624.659

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y008H	025Y008H	025Y008H	025Y008H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	6.400	6.400	6.400	6.400	6.400
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.00	4.06	4.00	4.06
Flow Max(cfs):	8.046	10.638	2.475	10.638	2.475
Runoff Volume(in):	5.222	4.380	4.564	4.380	4.564
Runoff Volume(ft3):	61411.950	73294.975	19716.539	73294.975	19716.539

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y008H	025Y024H	025Y024H	025Y024H	025Y024H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-8	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	6.400	8.600	8.600	8.600	8.600
Duration(hrs):	8.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	12.00	12.03	12.01	12.01
Flow Max(cfs):	8.173	3.755	7.802	3.375	1.079
Runoff Volume(in):	5.103	7.725	8.083	7.529	7.532
Runoff Volume(ft3):	59836.441	124511.471	271112.941	112605.132	35541.892

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y024H	025Y024H	025Y024H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.01	12.00	12.01	12.00	12.06
Flow Max(cfs):	5.768	0.897	2.663	3.508	0.894
Runoff Volume(in):	7.423	7.424	7.387	6.458	6.672

Runoff Volume(ft3):	188621.150	29105.244	86878.995	108070.724	28819.668

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y024H	025Y024H	025Y024H	025Y072H	025Y072H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-72	FDOT-72
Rain Amount(in):	8.600	8.600	8.600	10.580	10.580
Duration(hrs):	24.00	24.00	24.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.06	12.00	60.00	59.99
Flow Max(cfs):	3.508	0.894	2.651	2.331	4.874
Runoff Volume(in):	6.458	6.672	7.255	9.694	10.062
Runoff Volume(ft3):	108070.724	28819.668	85065.600	156244.216	337486.413

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y072H	025Y072H	025Y072H	025Y072H	025Y072H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	10.580	10.580	10.580	10.580	10.580
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.99	59.98	59.99
Flow Max(cfs):	2.155	0.680	3.653	0.564	1.689
Runoff Volume(in):	9.495	9.494	9.382	9.383	9.344
Runoff Volume(ft3):	142002.560	44802.720	238389.817	36786.306	109898.753

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y072H	025Y072H	025Y072H	025Y072H	025Y072H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	10.580	10.580	10.580	10.580	10.580
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.97	59.98	59.97	59.98
Flow Max(cfs):	2.332	0.606	2.332	0.606	1.679
Runoff Volume(in):	8.366	8.597	8.366	8.597	9.208
Runoff Volume(ft3):	139996.561	37134.943	139996.561	37134.943	107958.768

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y168H	025Y168H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek

Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.300	13.300	13.300	13.300	13.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	159.96	159.96	159.98	159.98
Flow Max(cfs):	1.744	3.639	1.616	0.510	2.742
Runoff Volume(in):	12.404	12.780	12.199	12.200	12.084
Runoff Volume(ft3):	199916.302	428640.246	182442.658	57572.970	307062.010

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y168H	025Y168H	025Y168H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.300	13.300	13.300	13.300	13.300
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.98	160.00	159.96	160.00
Flow Max(cfs):	0.423	1.269	1.776	0.461	1.776
Runoff Volume(in):	12.084	12.045	11.018	11.261	11.018
Runoff Volume(ft3):	47375.916	141669.189	184376.199	48645.433	184376.199

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y168H	025Y168H	025Y240H	025Y240H	025Y240H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-168	FDOT-168	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	13.300	13.300	14.600	14.600	14.600
Duration(hrs):	168.00	168.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.96	160.00	184.00	183.96	183.97
Flow Max(cfs):	0.461	1.263	2.242	4.679	2.076
Runoff Volume(in):	11.261	11.903	13.701	14.080	13.494
Runoff Volume(ft3):	48645.433	139555.637	220824.420	472264.521	201818.085

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	025Y240H	025Y240H	025Y240H	025Y240H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	14.600	14.600	14.600	14.600	14.600

Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	183.97	184.00	183.97	184.00
Flow Max(cfs):	0.655	3.523	0.544	1.630	2.277
Runoff Volume(in):	13.495	13.378	13.378	13.339	12.294
Runoff Volume(ft3):	63685.033	339940.755	52447.780	156881.995	205727.035

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	025Y240H	025Y240H	025Y240H	025Y240H	050Y001H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-1
Rain Amount(in):	14.600	14.600	14.600	14.600	3.820
Duration(hrs):	240.00	240.00	240.00	240.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	184.00	183.97	184.00	0.66
Flow Max(cfs):	0.591	2.277	0.591	1.622	24.020
Runoff Volume(in):	12.545	12.294	12.545	13.194	3.013
Runoff Volume(ft3):	54189.235	205727.035	54189.235	154697.781	48556.459

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y001H	050Y001H	050Y001H	050Y001H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.820	3.820	3.820	3.820	3.820
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.73	0.76	0.72	0.72	0.64
Flow Max(cfs):	41.643	16.049	5.861	30.721	5.873
Runoff Volume(in):	3.326	2.849	2.853	2.766	2.769
Runoff Volume(ft3):	111570.055	42604.386	13463.603	70282.616	10856.205

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y001H	050Y001H	050Y001H	050Y001H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	3.820	3.820	3.820	3.820	3.820
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000

DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.72	0.67	0.81	0.67	0.81
Flow Max(cfs):	14.090	19.430	3.394	19.430	3.394
Runoff Volume(in):	2.737	2.067	2.212	2.067	2.212
Runoff Volume(ft3):	32193.853	34587.901	9554.495	34587.901	9554.495

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y001H	050Y002H	050Y002H	050Y002H	050Y002H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-1	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	3.820	4.750	4.750	4.750	4.750
Duration(hrs):	1.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.64	0.85	0.93	0.96	0.91
Flow Max(cfs):	16.861	20.604	36.288	14.291	5.134
Runoff Volume(in):	2.637	3.920	4.231	3.737	3.735
Runoff Volume(ft3):	30919.076	63175.969	141919.095	55885.578	17627.524

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y002H	050Y002H	050Y002H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	4.750	4.750	4.750	4.750	4.750
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.91	0.84	0.91	0.84	0.99
Flow Max(cfs):	27.036	5.053	12.419	17.532	3.115
Runoff Volume(in):	3.642	3.658	3.611	2.876	3.032
Runoff Volume(ft3):	92533.009	14340.276	42464.982	48128.798	13096.465

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y002H	050Y002H	050Y002H	050Y004H	050Y004H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-4	FDOT-4
Rain Amount(in):	4.750	4.750	4.750	5.980	5.980
Duration(hrs):	2.00	2.00	2.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.84	0.99	0.84	2.05	2.15
Flow Max(cfs):	17.532	3.115	14.643	12.720	25.142
Runoff Volume(in):	2.876	3.032	3.514	5.129	5.465
Runoff Volume(ft3):	48128.798	13096.465	41203.737	82662.335	183318.800

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y004H	050Y004H	050Y004H	050Y004H	050Y004H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.980	5.980	5.980	5.980	5.980
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.17	2.12	2.12	2.02	2.12
Flow Max(cfs):	10.349	3.468	18.384	3.042	8.463
Runoff Volume(in):	4.947	4.943	4.843	4.851	4.810
Runoff Volume(ft3):	73992.020	23326.604	123057.446	19016.490	56566.919

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y004H	050Y004H	050Y004H	050Y004H	050Y004H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	5.980	5.980	5.980	5.980	5.980
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.04	2.55	2.04	2.55	2.04
Flow Max(cfs):	11.078	2.574	11.078	2.574	8.885
Runoff Volume(in):	3.991	4.167	3.991	4.167	4.696
Runoff Volume(ft3):	66789.457	18000.355	66789.457	18000.355	55061.368

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y008H	050Y008H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.130	7.130	7.130	7.130	7.130
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	3.99	4.01	4.04	4.00	4.00
Flow Max(cfs):	13.039	26.102	11.144	3.682	19.647
Runoff Volume(in):	6.264	6.614	6.075	6.075	5.970
Runoff Volume(ft3):	100952.419	221840.092	90849.459	28666.975	151704.648

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y008H	050Y008H	050Y008H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0

Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.130	7.130	7.130	7.130	7.130
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.00	4.00	4.06	4.00
Flow Max(cfs):	3.119	9.065	12.142	2.831	12.142
Runoff Volume(in):	5.976	5.936	5.063	5.255	5.063
Runoff Volume(ft3):	23429.648	69808.715	84721.073	22699.065	84721.073

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y008H	050Y008H	050Y024H	050Y024H	050Y024H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-8	FDOT-8	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	7.130	7.130	9.300	9.300	9.300
Duration(hrs):	8.00	8.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.06	4.00	12.00	12.03	12.01
Flow Max(cfs):	2.831	9.208	4.074	8.448	3.668
Runoff Volume(in):	5.255	5.814	8.421	8.781	8.222
Runoff Volume(ft3):	22699.065	68173.377	135721.804	294536.547	122968.724

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y024H	050Y024H	050Y024H	050Y024H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	9.300	9.300	9.300	9.300	9.300
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.01	12.01	12.00	12.01	12.00
Flow Max(cfs):	1.173	6.273	0.976	2.897	3.850
Runoff Volume(in):	8.225	8.115	8.116	8.078	7.130
Runoff Volume(ft3):	38812.882	206195.603	31817.039	95007.111	119307.646

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y024H	050Y024H	050Y024H	050Y024H	050Y072H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-72
Rain Amount(in):	9.300	9.300	9.300	9.300	11.950
Duration(hrs):	24.00	24.00	24.00	24.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30

Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.06	12.00	12.06	12.00	60.00
Flow Max(cfs):	0.980	3.850	0.980	2.886	2.637
Runoff Volume(in):	7.348	7.130	7.348	7.944	11.059
Runoff Volume(ft3):	31743.164	119307.646	31743.164	93144.671	178236.613

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y072H	050Y072H	050Y072H	050Y072H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	11.950	11.950	11.950	11.950	11.950
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.98	59.99	59.99	59.98
Flow Max(cfs):	5.508	2.439	0.770	4.137	0.638
Runoff Volume(in):	11.430	10.856	10.855	10.741	10.743
Runoff Volume(ft3):	383381.079	162363.717	51226.843	272930.933	42116.318

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y072H	050Y072H	050Y072H	050Y072H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	11.950	11.950	11.950	11.950	11.950
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.99	59.98	59.97	59.98	59.97
Flow Max(cfs):	1.914	2.656	0.690	2.656	0.690
Runoff Volume(in):	10.703	9.698	9.937	9.698	9.937
Runoff Volume(ft3):	125878.050	162293.855	42923.134	162293.855	42923.134

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y072H	050Y168H	050Y168H	050Y168H	050Y168H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-72	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	11.950	14.700	14.700	14.700	14.700
Duration(hrs):	72.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	159.98	159.96	159.96	159.98
Flow Max(cfs):	1.903	1.929	4.023	1.787	0.564

Runoff Volume(in):	10.564	13.800	14.179	13.593	13.595
Runoff Volume(ft3):	123858.479	222422.903	475566.445	203295.049	64153.257

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y168H	050Y168H	050Y168H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	14.700	14.700	14.700	14.700	14.700
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	160.00	159.98	160.00	159.96
Flow Max(cfs):	3.034	0.468	1.404	1.971	0.511
Runoff Volume(in):	13.477	13.478	13.438	12.392	12.640
Runoff Volume(ft3):	342459.698	52837.341	158047.532	207368.873	54603.137

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y168H	050Y168H	050Y168H	050Y240H	050Y240H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-240	FDOT-240
Rain Amount(in):	14.700	14.700	14.700	16.500	16.500
Duration(hrs):	168.00	168.00	168.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	160.00	159.96	160.00	184.00	183.96
Flow Max(cfs):	1.971	0.511	1.398	2.536	5.289
Runoff Volume(in):	12.392	12.640	13.293	15.597	15.979
Runoff Volume(ft3):	207368.873	54603.137	155860.997	251386.485	535968.165

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y240H	050Y240H	050Y240H	050Y240H	050Y240H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	16.500	16.500	16.500	16.500	16.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	183.97	183.97	184.00	183.97
Flow Max(cfs):	2.349	0.741	3.987	0.615	1.845
Runoff Volume(in):	15.388	15.389	15.271	15.271	15.231
Runoff Volume(ft3):	230141.858	72622.745	388028.122	59866.945	179133.152

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	050Y240H	050Y240H	050Y240H	050Y240H	050Y240H

Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	16.500	16.500	16.500	16.500	16.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	183.97	184.00	183.97	184.00
Flow Max(cfs):	2.586	0.670	2.586	0.670	1.837
Runoff Volume(in):	14.165	14.422	14.165	14.422	15.084
Runoff Volume(ft3):	237034.717	62297.677	237034.717	62297.677	176854.767

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y001H	100Y001H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	4.180	4.180	4.180	4.180	4.180
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.66	0.73	0.76	0.72	0.72
Flow Max(cfs):	26.707	46.013	17.952	6.547	34.399
Runoff Volume(in):	3.362	3.682	3.193	3.198	3.108
Runoff Volume(ft3):	54188.236	123508.008	47754.046	15090.573	78969.502

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y001H	100Y001H	100Y001H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-1	FDOT-1	FDOT-1	FDOT-1	FDOT-1
Rain Amount(in):	4.180	4.180	4.180	4.180	4.180
Duration(hrs):	1.00	1.00	1.00	1.00	1.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.64	0.72	0.67	0.81	0.67
Flow Max(cfs):	6.567	15.790	22.202	3.872	22.202
Runoff Volume(in):	3.111	3.078	2.376	2.529	2.376
Runoff Volume(ft3):	12197.763	36202.732	39753.941	10923.925	39753.941

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y001H	100Y001H	100Y002H	100Y002H	100Y002H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-1	FDOT-1	FDOT-2	FDOT-2	FDOT-2

Rain Amount(in):	4.180	4.180	5.300	5.300	5.300
Duration(hrs):	1.00	1.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.81	0.64	0.85	0.93	0.96
Flow Max(cfs):	3.872	18.927	23.326	40.851	16.295
Runoff Volume(in):	2.529	2.974	4.459	4.775	4.270
Runoff Volume(ft3):	10923.925	34873.778	71867.636	160163.269	63853.763

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y002H	100Y002H	100Y002H	100Y002H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-2
Rain Amount(in):	5.300	5.300	5.300	5.300	5.300
Duration(hrs):	2.00	2.00	2.00	2.00	2.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.91	0.91	0.84	0.91	0.84
Flow Max(cfs):	5.846	30.866	5.750	14.191	20.462
Runoff Volume(in):	4.268	4.171	4.189	4.139	3.370
Runoff Volume(ft3):	20140.991	105987.481	16423.963	48679.546	56389.443

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y002H	100Y002H	100Y002H	100Y002H	100Y004H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-2	FDOT-2	FDOT-2	FDOT-2	FDOT-4
Rain Amount(in):	5.300	5.300	5.300	5.300	6.530
Duration(hrs):	2.00	2.00	2.00	2.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	0.99	0.84	0.99	0.84	2.05
Flow Max(cfs):	3.638	20.462	3.638	16.731	13.997
Runoff Volume(in):	3.534	3.370	3.534	4.040	5.672
Runoff Volume(ft3):	15264.928	56389.443	15264.928	47372.726	91411.046

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y004H	100Y004H	100Y004H	100Y004H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	6.530	6.530	6.530	6.530	6.530
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000

Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.15	2.17	2.08	2.12	2.02
Flow Max(cfs):	27.569	11.445	3.831	20.341	3.361
Runoff Volume(in):	6.012	5.487	5.482	5.380	5.388
Runoff Volume(ft3):	201659.404	82057.281	25869.523	136694.299	21123.388

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y004H	100Y004H	100Y004H	100Y004H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-4	FDOT-4	FDOT-4	FDOT-4	FDOT-4
Rain Amount(in):	6.530	6.530	6.530	6.530	6.530
Duration(hrs):	4.00	4.00	4.00	4.00	4.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.12	2.04	2.55	2.04	2.55
Flow Max(cfs):	9.370	12.450	2.872	12.450	2.872
Runoff Volume(in):	5.346	4.501	4.683	4.501	4.683
Runoff Volume(ft3):	62869.719	75319.681	20228.997	75319.681	20228.997

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y004H	100Y008H	100Y008H	100Y008H	100Y008H
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-4	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	6.530	7.870	7.870	7.870	7.870
Duration(hrs):	4.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	2.02	3.99	4.01	4.04	4.00
Flow Max(cfs):	9.844	14.457	28.876	12.398	4.093
Runoff Volume(in):	5.230	6.997	7.351	6.804	6.804
Runoff Volume(ft3):	61318.048	112765.319	246566.585	101756.933	32108.748

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y008H	100Y008H	100Y008H
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-8	FDOT-8
Rain Amount(in):	7.870	7.870	7.870	7.870	7.870
Duration(hrs):	8.00	8.00	8.00	8.00	8.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.00	4.00	4.00	4.06
Flow Max(cfs):	21.870	3.467	10.095	13.663	3.191
Runoff Volume(in):	6.697	6.704	6.662	5.762	5.961
Runoff Volume(ft3):	170181.898	26282.973	78351.961	96427.088	25748.945

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y008H	100Y008H	100Y008H	100Y024H	100Y024H
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	FDOT-8	FDOT-8	FDOT-8	FDOT-24	FDOT-24
Rain Amount(in):	7.870	7.870	7.870	10.600	10.600
Duration(hrs):	8.00	8.00	8.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	4.00	4.06	4.00	12.00	12.03
Flow Max(cfs):	13.663	3.191	10.254	4.664	9.646
Runoff Volume(in):	5.762	5.961	6.538	9.714	10.079
Runoff Volume(ft3):	96427.088	25748.945	76662.429	156566.253	338056.109

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y024H	100Y024H	100Y024H	100Y024H	100Y024H
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.01	12.01	12.01	12.00	12.01
Flow Max(cfs):	4.209	1.345	7.206	1.120	3.329
Runoff Volume(in):	9.511	9.514	9.402	9.403	9.364
Runoff Volume(ft3):	142249.896	44898.463	238904.522	36864.129	110136.850

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y024H	100Y024H	100Y024H	100Y024H	100Y024H
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	FDOT-24	FDOT-24	FDOT-24	FDOT-24	FDOT-24
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.00	12.06	12.00	12.06	12.00
Flow Max(cfs):	4.484	1.139	4.484	1.139	3.321
Runoff Volume(in):	8.385	8.612	8.385	8.612	9.227
Runoff Volume(ft3):	140321.410	37203.207	140321.410	37203.207	108190.849

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y072H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323

Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	13.750	13.750	13.750	13.750	13.750
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	60.00	59.99	59.98	59.99	59.99
Flow Max(cfs):	3.038	6.341	2.812	0.887	4.772
Runoff Volume(in):	12.853	13.229	12.648	12.647	12.530
Runoff Volume(ft3):	207159.869	443700.988	189154.367	59679.530	318393.232

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y072H	100Y072H	100Y072H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Rain File:	FDOT-72	FDOT-72	FDOT-72	FDOT-72	FDOT-72
Rain Amount(in):	13.750	13.750	13.750	13.750	13.750
Duration(hrs):	72.00	72.00	72.00	72.00	72.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.98	59.99	59.98	59.97	59.98
Flow Max(cfs):	0.736	2.207	3.080	0.799	3.080
Runoff Volume(in):	12.532	12.491	11.459	11.705	11.459
Runoff Volume(ft3):	49131.565	146911.975	191761.315	50563.976	191761.315

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y072H	100Y072H	100Y168H	100Y168H	100Y168H
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	FDOT-72	FDOT-72	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	13.750	13.750	16.800	16.800	16.800
Duration(hrs):	72.00	72.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	59.97	59.98	159.98	159.96	159.96
Flow Max(cfs):	0.799	2.196	2.206	4.598	2.045
Runoff Volume(in):	11.705	12.349	15.896	16.278	15.687
Runoff Volume(ft3):	50563.976	144796.645	256202.551	545969.853	234601.023

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y168H	100Y168H
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-168
Rain Amount(in):	16.800	16.800	16.800	16.800	16.800
Duration(hrs):	168.00	168.00	168.00	168.00	168.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite

TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.98	159.98	160.00	159.98	160.00
Flow Max(cfs):	0.645	3.472	0.536	1.606	2.261
Runoff Volume(in):	15.688	15.569	15.569	15.529	14.460
Runoff Volume(ft3):	74032.329	395612.817	61038.209	182642.893	241983.929

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y168H	100Y168H	100Y168H	100Y168H	100Y240H
Node:	Ex Creek	Creek	Creek	Swales D1-D5	StormTech2
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Comp Time Inc(min):	3.48	1.33	3.48	1.33	1.64
Rain File:	FDOT-168	FDOT-168	FDOT-168	FDOT-168	FDOT-240
Rain Amount(in):	16.800	16.800	16.800	16.800	18.500
Duration(hrs):	168.00	168.00	168.00	168.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00	12.30
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230	4.440
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.001
Curve Num:	84.000	82.200	84.000	88.800	92.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	159.96	160.00	159.96	160.00	184.00
Flow Max(cfs):	0.585	2.261	0.585	1.600	2.846
Runoff Volume(in):	14.715	14.460	14.715	15.382	17.594
Runoff Volume(ft3):	63565.848	241983.929	63565.848	180353.298	283572.708

Name:	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	100Y240H	100Y240H	100Y240H
Node:	StormTech1	817 Creek	Bargain Blvd	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Comp Time Inc(min):	2.93	3.03	2.27	2.27	1.33
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	18.500	18.500	18.500	18.500	18.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.00	22.70	17.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	9.240	4.120	1.300	7.000	1.080
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	95.700	91.100	91.100	90.200	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.96	183.97	183.97	183.97	184.00
Flow Max(cfs):	5.932	2.637	0.832	4.476	0.691
Runoff Volume(in):	17.979	17.383	17.385	17.265	17.264
Runoff Volume(ft3):	603035.742	259978.090	82037.720	438691.377	67683.531

Name:	Ex Swales	ExPark North	ExParkSouth	Park North	ParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100Y240H	100Y240H	100Y240H	100Y240H
Node:	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Comp Time Inc(min):	2.27	1.33	3.48	1.33	3.48
Rain File:	FDOT-240	FDOT-240	FDOT-240	FDOT-240	FDOT-240
Rain Amount(in):	18.500	18.500	18.500	18.500	18.500
Duration(hrs):	240.00	240.00	240.00	240.00	240.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	26.10	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.240	4.610	1.190	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	89.900	82.200	84.000	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	183.97	184.00	183.97	184.00	183.97

Flow Max(cfs):	2.071	2.911	0.754	2.911	0.754
Runoff Volume(in):	17.224	16.140	16.403	16.140	16.403
Runoff Volume(ft3):	202577.567	270091.809	70853.896	270091.809	70853.896

Name:	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100Y240H	100yr24hr	100yr24hr	100yr24hr	100yr24hr
Node:	Swales D1-D5	StormTech2	StormTech1	817 Creek	Bargain Blvd
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Comp Time Inc(min):	1.33	1.64	2.93	3.03	2.27
Rain File:	FDOT-240	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	18.500	10.600	10.600	10.600	10.600
Duration(hrs):	240.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	12.30	22.00	22.70	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	3.230	4.440	9.240	4.120	1.300
Vol of Unit Hyd(in):	1.000	1.001	1.000	1.000	1.000
Curve Num:	88.800	92.700	95.700	91.100	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	184.00	12.05	12.12	12.16	12.09
Flow Max(cfs):	2.062	28.568	47.879	20.610	7.361
Runoff Volume(in):	17.075	9.714	10.079	9.511	9.514
Runoff Volume(ft3):	200205.208	156566.250	338055.955	142249.836	44898.457

Name:	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100yr24hr	100yr24hr	100yr24hr	100yr24hr	100yr24hr
Node:	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Comp Time Inc(min):	2.27	1.33	2.27	1.33	3.48
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	10.600	10.600	10.600	10.600	10.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	10.00	17.00	10.00	26.10
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	7.000	1.080	3.240	4.610	1.190
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	90.200	89.900	82.200	84.000
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.09	12.02	12.09	12.04	12.18
Flow Max(cfs):	39.401	7.271	18.198	28.924	5.244
Runoff Volume(in):	9.402	9.403	9.364	8.385	8.612
Runoff Volume(ft3):	238904.492	36864.129	110136.836	140321.409	37203.187

Name:	Park North	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	100yr24hr	100yr24hr	100yr24hr	3Yr24Hr	3Yr24Hr
Node:	Creek	Creek	Swales D1-D5	StormTech2	StormTech1
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Comp Time Inc(min):	1.33	3.48	1.33	1.64	2.93
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	10.600	10.600	10.600	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	12.30	22.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	3.230	4.440	9.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.001	1.000
Curve Num:	82.200	84.000	88.800	92.700	95.700
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.04	12.18	12.02	12.05	12.12
Flow Max(cfs):	28.924	5.244	21.534	13.954	23.946
Runoff Volume(in):	8.385	8.612	9.227	4.560	4.896
Runoff Volume(ft3):	140321.409	37203.187	108190.849	73490.031	164203.205

Name:	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales
Group:	BASE	BASE	BASE	BASE	BASE

Simulation:	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	817 Creek	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Comp Time Inc(min):	3.03	2.27	2.27	1.33	2.27
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	5.400	5.400	5.400	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	22.70	17.00	17.00	10.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.120	1.300	7.000	1.080	3.240
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	91.100	90.200	90.200	89.900
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.16	12.09	12.09	12.04	12.09
Flow Max(cfs):	9.862	3.526	18.673	3.460	8.593
Runoff Volume(in):	4.382	4.383	4.286	4.286	4.253
Runoff Volume(ft3):	65533.591	20684.980	108901.179	16804.179	50025.653

Name:	ExPark North	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr	3Yr24Hr
Node:	Ex Creek	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Comp Time Inc(min):	1.33	3.48	1.33	3.48	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	5.400	5.400	5.400	5.400	5.400
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.610	1.190	4.610	1.190	3.230
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	82.200	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.04	12.18	12.04	12.18	12.04
Flow Max(cfs):	12.401	2.273	12.401	2.273	10.086
Runoff Volume(in):	3.460	3.638	3.460	3.638	4.136
Runoff Volume(ft3):	57906.990	15713.074	57906.990	15713.074	48499.508

Name:	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area	Ex 36 RCP Area	Ex Basin D-N
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H
Node:	StormTech2	StormTech1	817 Creek	Bargain Blvd	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Comp Time Inc(min):	1.64	2.93	3.03	2.27	2.27
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	12.30	22.00	22.70	17.00	17.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	4.440	9.240	4.120	1.300	7.000
Vol of Unit Hyd(in):	1.001	1.000	1.000	1.000	1.000
Curve Num:	92.700	95.700	91.100	91.100	90.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.05	12.12	12.16	12.09	12.09
Flow Max(cfs):	22.980	38.704	16.503	5.896	31.484
Runoff Volume(in):	7.725	8.083	7.529	7.532	7.423
Runoff Volume(ft3):	124511.469	271112.816	112605.084	35541.888	188621.125

Name:	Ex Basin D-S	Ex Swales	ExPark North	ExParkSouth	Park North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H	SJR25Y24H
Node:	Ex Creek	Ex TW 817 Dt	Ex Creek	Ex Creek	Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	1.33	2.27	1.33	3.48	1.33
Comp Time Inc(min):	1.33	2.27	1.33	3.48	1.33

Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	8.600	8.600	8.600
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	10.00	17.00	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.080	3.240	4.610	1.190	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	90.200	89.900	82.200	84.000	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.02	12.09	12.04	12.18	12.04
Flow Max(cfs):	5.815	14.530	22.583	4.105	22.583
Runoff Volume(in):	7.424	7.387	6.458	6.672	6.458
Runoff Volume(ft3):	29105.244	86878.984	108070.723	28819.652	108070.723

Name:	ParkSouth	Swales D1-D5	Basin 'D-N'	Basin 'D-S'	Ex 30 RCP Area
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJR25Y24H	SJR25Y24H	SJRMean	SJRMean	SJRMean
Node:	Creek	Swales D1-D5	StormTech2	StormTech1	817 Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Comp Time Inc(min):	3.48	1.33	1.64	2.93	3.03
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	8.600	8.600	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	12.30	22.00	22.70
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.190	3.230	4.440	9.240	4.120
Vol of Unit Hyd(in):	1.000	1.000	1.001	1.000	1.000
Curve Num:	84.000	88.800	92.700	95.700	91.100
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.18	12.02	12.05	12.12	12.16
Flow Max(cfs):	4.105	17.158	11.385	19.762	7.972
Runoff Volume(in):	6.672	7.255	3.677	4.002	3.508
Runoff Volume(ft3):	28819.652	85065.599	59269.481	134234.605	52466.816

Name:	Ex 36 RCP Area	Ex Basin D-N	Ex Basin D-S	Ex Swales	ExPark North
Group:	BASE	BASE	BASE	BASE	BASE
Simulation:	SJRMean	SJRMean	SJRMean	SJRMean	SJRMean
Node:	Bargain Blvd	Ex Creek	Ex Creek	Ex TW 817 Dt	Ex Creek
Type:	SCS	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0	323.0
Spec Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Comp Time Inc(min):	2.27	2.27	1.33	2.27	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	4.500	4.500	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite	Onsite
TC(min):	17.00	17.00	10.00	17.00	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00	0.00
Area(ac):	1.300	7.000	1.080	3.240	4.610
Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000	1.000
Curve Num:	91.100	90.200	90.200	89.900	82.200
DCIA(%):	0.000	0.000	0.000	0.000	0.000
Time Max(hrs):	12.09	12.09	12.04	12.09	12.04
Flow Max(cfs):	2.851	15.030	2.792	6.906	9.567
Runoff Volume(in):	3.509	3.417	3.418	3.387	2.655
Runoff Volume(ft3):	16560.763	86827.366	13398.103	39830.322	44429.156

Name:	ExParkSouth	Park North	ParkSouth	Swales D1-D5
Group:	BASE	BASE	BASE	BASE
Simulation:	SJRMean	SJRMean	SJRMean	SJRMean
Node:	Ex Creek	Creek	Creek	Swales D1-D5
Type:	SCS	SCS	SCS	SCS
Unit Hydrograph:	Uh323	Uh323	Uh323	Uh323
Peaking Factor:	323.0	323.0	323.0	323.0
Spec Time Inc(min):	3.48	1.33	3.48	1.33
Comp Time Inc(min):	3.48	1.33	3.48	1.33
Rain File:	Flmod	Flmod	Flmod	Flmod
Rain Amount(in):	4.500	4.500	4.500	4.500
Duration(hrs):	24.00	24.00	24.00	24.00
Status:	Onsite	Onsite	Onsite	Onsite
TC(min):	26.10	10.00	26.10	10.00
Time Shift(hrs):	0.00	0.00	0.00	0.00
Area(ac):	1.190	4.610	1.190	3.230

Vol of Unit Hyd(in):	1.000	1.000	1.000	1.000
Curve Num:	84.000	82.200	84.000	88.800
DCIA(%):	0.000	0.000	0.000	0.000
Time Max(hrs):	12.18	12.04	12.18	12.04
Flow Max(cfs):	1.762	9.567	1.762	8.081
Runoff Volume(in):	2.816	2.655	2.816	3.277
Runoff Volume(ft3):	12163.895	44429.156	12163.895	38418.246

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Creek	002Y001H	32.774	37.000	-0.0026	14074	73.443	72.630
Creek	002Y002H	32.829	37.000	-0.0029	14284	77.073	76.352
Creek	002Y004H	32.881	37.000	-0.0049	14480	80.133	79.679
Creek	002Y008H	32.894	37.000	-0.0030	14530	81.352	80.506
Creek	002Y024H	32.649	37.000	0.0023	13599	63.388	63.370
Creek	002Y072H	32.624	37.000	0.0023	13505	61.384	61.384
Creek	002Y168H	32.612	37.000	0.0023	13460	60.401	60.400
Creek	002Y240H	32.630	37.000	-0.0024	13528	61.870	61.869
Creek	005Y001H	33.019	37.000	-0.0032	15004	90.390	87.960
Creek	005Y002H	33.095	37.000	-0.0033	15296	94.634	92.246
Creek	005Y004H	33.024	37.000	-0.0049	15026	88.422	88.284
Creek	005Y008H	33.056	37.000	-0.0049	15148	90.493	90.092
Creek	005Y024H	32.703	37.000	0.0023	13806	67.581	67.558
Creek	005Y072H	32.643	37.000	0.0023	13576	62.920	62.883
Creek	005Y168H	32.629	37.000	0.0023	13525	61.802	61.800
Creek	005Y240H	32.651	37.000	-0.0024	13606	63.517	63.516
Creek	010Y001H	33.803	37.000	-0.0033	17987	131.409	125.047
Creek	010Y002H	33.817	37.000	-0.0031	18039	130.804	125.588
Creek	010Y004H	33.756	37.000	-0.0050	17808	124.060	123.132
Creek	010Y008H	33.812	37.000	-0.0050	18019	126.290	125.378
Creek	010Y024H	33.236	37.000	0.0029	15831	99.684	99.626
Creek	010Y072H	33.144	37.000	0.0029	15482	94.876	94.875
Creek	010Y168H	33.107	37.000	0.0029	15341	92.886	92.886
Creek	010Y240H	33.143	37.000	-0.0034	15477	94.815	94.815
Creek	025Y001H	34.663	37.000	-0.0034	21257	167.928	155.867
Creek	025Y002H	34.679	37.000	-0.0031	21318	165.696	156.386
Creek	025Y004H	34.568	37.000	-0.0050	20896	154.568	152.765
Creek	025Y008H	34.649	37.000	-0.0050	21202	157.184	155.400
Creek	025Y024H	33.809	37.000	0.0030	18009	125.377	125.272
Creek	025Y072H	33.671	37.000	0.0030	17484	119.601	119.600
Creek	025Y168H	33.612	37.000	-0.0036	17259	117.079	117.078
Creek	025Y240H	33.663	37.000	-0.0048	17452	119.247	119.247
Creek	050Y001H	35.603	37.000	-0.0049	25166	202.946	183.734
Creek	050Y002H	35.604	37.000	-0.0044	25168	198.330	183.753
Creek	050Y004H	35.460	37.000	-0.0050	24541	182.606	179.762
Creek	050Y008H	35.573	37.000	-0.0050	25031	186.101	182.886
Creek	050Y024H	34.473	37.000	-0.0036	20532	149.718	149.581
Creek	050Y072H	34.308	37.000	-0.0035	19907	143.949	143.947
Creek	050Y168H	34.222	37.000	-0.0045	19579	140.892	140.891
Creek	050Y240H	34.297	37.000	-0.0049	19863	143.541	143.540
Creek	100Y001H	36.285	37.000	-0.0031	27420	227.484	201.529
Creek	100Y002H	36.337	37.000	-0.0032	27647	223.318	202.829
Creek	100Y004H	36.103	37.000	-0.0050	27339	200.868	196.932
Creek	100Y008H	36.241	37.000	0.0041	27407	205.108	200.435
Creek	100Y024H	34.956	37.000	-0.0033	22370	165.630	165.050
Creek	100Y072H	34.752	37.000	-0.0033	21595	158.905	158.714
Creek	100Y168H	34.640	37.000	-0.0050	21169	155.294	155.114
Creek	100Y240H	34.727	37.000	-0.0048	21498	158.166	157.901
Creek	100yr24hr	37.190	37.000	0.0050	31365	243.548	223.004
Creek	3Yr24Hr	33.224	37.000	-0.0050	15786	100.851	99.027
Creek	SJR25Y24H	35.375	37.000	0.0050	24172	187.078	177.377
Creek	SJRMean	33.023	37.000	-0.0038	15022	89.941	88.234
Ex Creek	002Y001H	32.945	37.000	0.0023	14726	84.733	83.669
Ex Creek	002Y002H	32.886	37.000	0.0023	14500	81.107	80.006
Ex Creek	002Y004H	32.786	37.000	-0.0039	14120	73.518	73.462
Ex Creek	002Y008H	32.805	37.000	-0.0026	14193	74.929	74.764
Ex Creek	002Y024H	32.649	37.000	0.0023	13599	63.387	63.371
Ex Creek	002Y072H	32.629	37.000	0.0023	13522	61.751	61.750
Ex Creek	002Y168H	32.618	37.000	0.0023	13483	60.893	60.893
Ex Creek	002Y240H	32.629	37.000	-0.0024	13524	61.794	61.794
Ex Creek	005Y001H	33.101	37.000	-0.0030	15318	94.357	92.558
Ex Creek	005Y002H	33.056	37.000	-0.0028	15148	91.984	90.100
Ex Creek	005Y004H	32.874	37.000	-0.0042	14454	79.479	79.246
Ex Creek	005Y008H	32.901	37.000	-0.0049	14556	81.162	80.935
Ex Creek	005Y024H	32.677	37.000	0.0023	13705	65.574	65.558
Ex Creek	005Y072H	32.645	37.000	0.0023	13584	63.061	63.060
Ex Creek	005Y168H	32.629	37.000	0.0023	13523	61.775	61.775
Ex Creek	005Y240H	32.644	37.000	-0.0024	13580	62.976	62.976
Ex Creek	010Y001H	33.833	37.000	-0.0031	18102	130.501	126.252
Ex Creek	010Y002H	33.727	37.000	-0.0029	17696	125.694	121.917
Ex Creek	010Y004H	33.514	37.000	-0.0042	16886	113.372	112.784
Ex Creek	010Y008H	33.561	37.000	-0.0049	17067	115.401	114.886
Ex Creek	010Y024H	33.186	37.000	0.0029	15641	97.104	97.069
Ex Creek	010Y072H	33.126	37.000	0.0029	15413	93.915	93.913
Ex Creek	010Y168H	33.101	37.000	0.0029	15317	92.548	92.548
Ex Creek	010Y240H	33.126	37.000	-0.0034	15413	93.907	93.907
Ex Creek	025Y001H	34.598	37.000	-0.0035	21007	161.160	153.728
Ex Creek	025Y002H	34.478	37.000	0.0030	20554	156.083	149.778
Ex Creek	025Y004H	34.216	37.000	-0.0049	19558	141.861	140.696
Ex Creek	025Y008H	34.289	37.000	-0.0049	19834	144.271	143.267
Ex Creek	025Y024H	33.728	37.000	0.0030	17703	122.060	121.995

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Ex Creek	025Y072H	33.637	37.000	0.0030	17354	118.154	118.152
Ex Creek	025Y168H	33.596	37.000	-0.0035	17199	116.401	116.401
Ex Creek	025Y240H	33.632	37.000	-0.0046	17335	117.933	117.932
Ex Creek	050Y001H	35.448	37.000	-0.0048	24490	191.370	179.435
Ex Creek	050Y002H	35.312	37.000	-0.0041	23895	185.193	175.561
Ex Creek	050Y004H	35.013	37.000	-0.0041	22595	168.554	166.790
Ex Creek	050Y008H	35.115	37.000	-0.0049	23038	171.624	169.832
Ex Creek	050Y024H	34.366	37.000	0.0030	20128	146.074	145.961
Ex Creek	050Y072H	34.256	37.000	-0.0031	19710	142.120	142.118
Ex Creek	050Y168H	34.197	37.000	-0.0043	19482	139.983	139.982
Ex Creek	050Y240H	34.249	37.000	-0.0049	19682	141.859	141.858
Ex Creek	100Y001H	36.044	37.000	0.0030	27082	211.553	195.418
Ex Creek	100Y002H	35.939	37.000	0.0030	26628	205.840	192.711
Ex Creek	100Y004H	35.579	37.000	-0.0041	25059	185.419	183.061
Ex Creek	100Y008H	35.702	37.000	-0.0030	25595	189.044	186.414
Ex Creek	100Y024H	34.818	37.000	0.0030	21843	160.945	160.770
Ex Creek	100Y072H	34.679	37.000	-0.0031	21318	156.386	156.383
Ex Creek	100Y168H	34.601	37.000	-0.0049	21021	153.854	153.853
Ex Creek	100Y240H	34.662	37.000	-0.0050	21253	155.832	155.830
Ex Creek	100yr24hr	36.440	37.000	0.0049	28096	222.243	205.370
Ex Creek	3Yr24Hr	33.054	37.000	-0.0038	15140	92.228	89.986
Ex Creek	SJR25Y24H	34.846	37.000	-0.0050	21950	170.674	161.649
Ex Creek	SJRMean	32.941	37.000	-0.0028	14709	84.976	83.398
Ex LAKE MINNIE	002Y001H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y002H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y004H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y008H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y024H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y072H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y168H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	002Y240H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y001H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y002H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y004H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y008H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y024H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y072H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y168H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	005Y240H	34.237	36.500	0.0168	863	58.000	58.000
Ex LAKE MINNIE	010Y001H	34.835	36.500	0.0255	863	88.000	88.579
Ex LAKE MINNIE	010Y002H	34.835	36.500	0.0255	863	88.000	88.412
Ex LAKE MINNIE	010Y004H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	010Y008H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	010Y024H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	010Y072H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	010Y168H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	010Y240H	34.835	36.500	0.0255	863	88.000	88.000
Ex LAKE MINNIE	025Y001H	35.251	36.500	0.0321	863	111.000	111.802
Ex LAKE MINNIE	025Y002H	35.251	36.500	0.0321	863	111.000	111.468
Ex LAKE MINNIE	025Y004H	35.251	36.500	0.0321	863	111.000	111.180
Ex LAKE MINNIE	025Y008H	35.251	36.500	0.0321	863	111.000	111.278
Ex LAKE MINNIE	025Y024H	35.251	36.500	0.0321	863	111.000	111.000
Ex LAKE MINNIE	025Y072H	35.251	36.500	0.0321	863	111.000	111.000
Ex LAKE MINNIE	025Y168H	35.251	36.500	0.0321	863	111.000	111.000
Ex LAKE MINNIE	025Y240H	35.251	36.500	0.0321	863	111.000	111.000
Ex LAKE MINNIE	050Y001H	35.799	36.500	0.0388	863	134.000	134.524
Ex LAKE MINNIE	050Y002H	35.703	36.500	0.0388	863	134.000	134.383
Ex LAKE MINNIE	050Y004H	35.641	36.500	0.0388	863	134.000	134.104
Ex LAKE MINNIE	050Y008H	35.641	36.500	0.0388	863	134.000	134.131
Ex LAKE MINNIE	050Y024H	35.641	36.500	0.0388	863	134.000	134.078
Ex LAKE MINNIE	050Y072H	35.641	36.500	0.0388	863	134.000	134.078
Ex LAKE MINNIE	050Y168H	35.641	36.500	0.0388	863	134.000	134.078
Ex LAKE MINNIE	050Y240H	35.641	36.500	0.0388	863	134.000	134.078
Ex LAKE MINNIE	100Y001H	36.329	36.500	0.0426	863	147.000	147.490
Ex LAKE MINNIE	100Y002H	36.244	36.500	0.0426	863	147.000	147.540
Ex LAKE MINNIE	100Y004H	35.971	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100Y008H	36.061	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100Y024H	35.850	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100Y072H	35.850	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100Y168H	35.850	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100Y240H	35.850	36.500	0.0426	863	147.000	147.452
Ex LAKE MINNIE	100yr24hr	36.733	36.500	0.0851	151	147.000	152.988
Ex LAKE MINNIE	3Yr24Hr	34.237	36.500	0.0336	863	58.000	58.000
Ex LAKE MINNIE	SJR25Y24H	35.251	36.500	0.0642	863	111.000	111.389
Ex LAKE MINNIE	SJRMean	34.237	36.500	0.0336	863	58.000	58.000
Ex TW 817 Dt	002Y001H	33.000	39.000	0.0000	0	6.820	0.000
Ex TW 817 Dt	002Y002H	33.000	39.000	0.0000	0	5.848	0.000
Ex TW 817 Dt	002Y004H	33.000	39.000	0.0000	0	3.944	0.000
Ex TW 817 Dt	002Y008H	33.000	39.000	0.0000	0	4.237	0.000
Ex TW 817 Dt	002Y024H	33.000	39.000	0.0000	0	1.345	0.000

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Ex TW 817 Dt	002Y072H	33.000	39.000	0.0000	0	0.901	0.000
Ex TW 817 Dt	002Y168H	33.000	39.000	0.0000	0	0.687	0.000
Ex TW 817 Dt	002Y240H	33.000	39.000	0.0000	0	0.902	0.000
Ex TW 817 Dt	005Y001H	33.000	39.000	0.0000	0	9.052	0.000
Ex TW 817 Dt	005Y002H	33.000	39.000	0.0000	0	8.351	0.000
Ex TW 817 Dt	005Y004H	33.000	39.000	0.0000	0	5.396	0.000
Ex TW 817 Dt	005Y008H	33.000	39.000	0.0000	0	5.691	0.000
Ex TW 817 Dt	005Y024H	33.000	39.000	0.0000	0	1.854	0.000
Ex TW 817 Dt	005Y072H	33.000	39.000	0.0000	0	1.204	0.000
Ex TW 817 Dt	005Y168H	33.000	39.000	0.0000	0	0.891	0.000
Ex TW 817 Dt	005Y240H	33.000	39.000	0.0000	0	1.175	0.000
Ex TW 817 Dt	010Y001H	33.000	39.000	0.0000	0	10.424	0.000
Ex TW 817 Dt	010Y002H	33.000	39.000	0.0000	0	9.142	0.000
Ex TW 817 Dt	010Y004H	33.000	39.000	0.0000	0	6.305	0.000
Ex TW 817 Dt	010Y008H	33.000	39.000	0.0000	0	6.678	0.000
Ex TW 817 Dt	010Y024H	33.000	39.000	0.0000	0	2.209	0.000
Ex TW 817 Dt	010Y072H	33.000	39.000	0.0000	0	1.402	0.000
Ex TW 817 Dt	010Y168H	33.000	39.000	0.0000	0	1.070	0.000
Ex TW 817 Dt	010Y240H	33.000	39.000	0.0000	0	1.391	0.000
Ex TW 817 Dt	025Y001H	33.000	39.000	0.0000	0	12.291	0.000
Ex TW 817 Dt	025Y002H	33.000	39.000	0.0000	0	10.909	0.000
Ex TW 817 Dt	025Y004H	33.000	39.000	0.0000	0	7.576	0.000
Ex TW 817 Dt	025Y008H	33.000	39.000	0.0000	0	8.038	0.000
Ex TW 817 Dt	025Y024H	33.000	39.000	0.0000	0	2.661	0.000
Ex TW 817 Dt	025Y072H	33.000	39.000	0.0000	0	1.689	0.000
Ex TW 817 Dt	025Y168H	33.000	39.000	0.0000	0	1.269	0.000
Ex TW 817 Dt	025Y240H	33.000	39.000	0.0000	0	1.630	0.000
Ex TW 817 Dt	050Y001H	33.000	39.000	0.0000	0	14.032	0.000
Ex TW 817 Dt	050Y002H	33.000	39.000	0.0000	0	12.366	0.000
Ex TW 817 Dt	050Y004H	33.000	39.000	0.0000	0	8.452	0.000
Ex TW 817 Dt	050Y008H	33.000	39.000	0.0000	0	9.058	0.000
Ex TW 817 Dt	050Y024H	33.000	39.000	0.0000	0	2.896	0.000
Ex TW 817 Dt	050Y072H	33.000	39.000	0.0000	0	1.913	0.000
Ex TW 817 Dt	050Y168H	33.000	39.000	0.0000	0	1.404	0.000
Ex TW 817 Dt	050Y240H	33.000	39.000	0.0000	0	1.845	0.000
Ex TW 817 Dt	100Y001H	33.000	39.000	0.0000	0	15.733	0.000
Ex TW 817 Dt	100Y002H	33.000	39.000	0.0000	0	14.150	0.000
Ex TW 817 Dt	100Y004H	33.000	39.000	0.0000	0	9.363	0.000
Ex TW 817 Dt	100Y008H	33.000	39.000	0.0000	0	10.088	0.000
Ex TW 817 Dt	100Y024H	33.000	39.000	0.0000	0	3.329	0.000
Ex TW 817 Dt	100Y072H	33.000	39.000	0.0000	0	2.207	0.000
Ex TW 817 Dt	100Y168H	33.000	39.000	0.0000	0	1.606	0.000
Ex TW 817 Dt	100Y240H	33.000	39.000	0.0000	0	2.071	0.000
Ex TW 817 Dt	100yr24hr	33.000	39.000	0.0000	0	16.728	0.000
Ex TW 817 Dt	3Yr24Hr	33.000	39.000	0.0000	0	7.824	0.000
Ex TW 817 Dt	SJR25Y24H	33.000	39.000	0.0000	0	13.324	0.000
Ex TW 817 Dt	SJRMean	33.000	39.000	0.0000	0	6.261	0.000
Ex TW2-36s	002Y001H	32.250	35.000	0.0000	7	83.669	0.000
Ex TW2-36s	002Y002H	32.250	35.000	0.0000	7	80.006	0.000
Ex TW2-36s	002Y004H	32.250	35.000	0.0000	7	73.462	0.000
Ex TW2-36s	002Y008H	32.250	35.000	0.0000	7	74.764	0.000
Ex TW2-36s	002Y024H	32.250	35.000	0.0000	7	63.371	0.000
Ex TW2-36s	002Y072H	32.250	35.000	0.0000	7	61.750	0.000
Ex TW2-36s	002Y168H	32.250	35.000	0.0000	7	60.893	0.000
Ex TW2-36s	002Y240H	32.250	35.000	0.0000	7	61.794	0.000
Ex TW2-36s	005Y001H	32.250	35.000	0.0000	7	92.558	0.000
Ex TW2-36s	005Y002H	32.250	35.000	0.0000	7	90.100	0.000
Ex TW2-36s	005Y004H	32.250	35.000	0.0000	7	79.246	0.000
Ex TW2-36s	005Y008H	32.250	35.000	0.0000	7	80.935	0.000
Ex TW2-36s	005Y024H	32.250	35.000	0.0000	7	65.558	0.000
Ex TW2-36s	005Y072H	32.250	35.000	0.0000	7	63.060	0.000
Ex TW2-36s	005Y168H	32.250	35.000	0.0000	7	61.775	0.000
Ex TW2-36s	005Y240H	32.250	35.000	0.0000	7	62.976	0.000
Ex TW2-36s	010Y001H	32.250	35.000	0.0000	7	126.252	0.000
Ex TW2-36s	010Y002H	32.250	35.000	0.0000	7	121.917	0.000
Ex TW2-36s	010Y004H	32.250	35.000	0.0000	7	112.784	0.000
Ex TW2-36s	010Y008H	32.250	35.000	0.0000	7	114.886	0.000
Ex TW2-36s	010Y024H	32.250	35.000	0.0000	7	97.069	0.000
Ex TW2-36s	010Y072H	32.250	35.000	0.0000	7	93.913	0.000
Ex TW2-36s	010Y168H	32.250	35.000	0.0000	7	92.548	0.000
Ex TW2-36s	010Y240H	32.250	35.000	0.0000	7	93.907	0.000
Ex TW2-36s	025Y001H	32.250	35.000	0.0000	7	153.728	0.000
Ex TW2-36s	025Y002H	32.250	35.000	0.0000	7	149.778	0.000
Ex TW2-36s	025Y004H	32.250	35.000	0.0000	7	140.696	0.000
Ex TW2-36s	025Y008H	32.250	35.000	0.0000	7	143.267	0.000
Ex TW2-36s	025Y024H	32.250	35.000	0.0000	7	121.995	0.000
Ex TW2-36s	025Y072H	32.250	35.000	0.0000	7	118.152	0.000
Ex TW2-36s	025Y168H	32.250	35.000	0.0000	7	116.401	0.000
Ex TW2-36s	025Y240H	32.250	35.000	0.0000	7	117.932	0.000
Ex TW2-36s	050Y001H	32.250	35.000	0.0000	7	179.435	0.000
Ex TW2-36s	050Y002H	32.250	35.000	0.0000	7	175.561	0.000

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Ex TW2-36s	050Y004H	32.250	35.000	0.0000	7	166.790	0.000
Ex TW2-36s	050Y008H	32.250	35.000	0.0000	7	169.832	0.000
Ex TW2-36s	050Y024H	32.250	35.000	0.0000	7	145.961	0.000
Ex TW2-36s	050Y072H	32.250	35.000	0.0000	7	142.118	0.000
Ex TW2-36s	050Y168H	32.250	35.000	0.0000	7	139.982	0.000
Ex TW2-36s	050Y240H	32.250	35.000	0.0000	7	141.858	0.000
Ex TW2-36s	100Y001H	32.250	35.000	0.0000	7	195.418	0.000
Ex TW2-36s	100Y002H	32.250	35.000	0.0000	7	192.711	0.000
Ex TW2-36s	100Y004H	32.250	35.000	0.0000	7	183.061	0.000
Ex TW2-36s	100Y008H	32.250	35.000	0.0000	7	186.414	0.000
Ex TW2-36s	100Y024H	32.250	35.000	0.0000	7	160.770	0.000
Ex TW2-36s	100Y072H	32.250	35.000	0.0000	7	156.383	0.000
Ex TW2-36s	100Y168H	32.250	35.000	0.0000	7	153.853	0.000
Ex TW2-36s	100Y240H	32.250	35.000	0.0000	7	155.830	0.000
Ex TW2-36s	100yr24hr	32.250	35.000	0.0000	7	205.370	0.000
Ex TW2-36s	3Yr24Hr	32.250	35.000	0.0000	7	89.986	0.000
Ex TW2-36s	SJR25Y24H	32.250	35.000	0.0000	7	161.649	0.000
Ex TW2-36s	SJRMean	32.250	35.000	0.0000	7	83.398	0.000
GroundN	002Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	002Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	002Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	002Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	002Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	002Y072H	33.300	34.000	0.0000	0	0.744	0.000
GroundN	002Y168H	33.300	34.000	0.0000	0	0.745	0.000
GroundN	002Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y072H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y168H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	005Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y072H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y168H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	010Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y072H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y168H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	025Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y072H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y168H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	050Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y001H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y002H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y004H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y008H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y024H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y072H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y168H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100Y240H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	100yr24hr	33.300	34.000	0.0000	0	0.770	0.000
GroundN	3Yr24Hr	33.300	34.000	0.0000	0	0.770	0.000
GroundN	SJR25Y24H	33.300	34.000	0.0000	0	0.770	0.000
GroundN	SJRMean	33.300	34.000	0.0000	0	0.770	0.000
GroundS	002Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y002H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	002Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y002H	34.000	35.000	0.0000	0	0.770	0.000

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
GroundS	005Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	005Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y002H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	010Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y002H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	025Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y002H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	050Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y001H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y002H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y004H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y008H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y024H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y072H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y168H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100Y240H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	100yr24hr	34.000	35.000	0.0000	0	0.770	0.000
GroundS	3Yr24Hr	34.000	35.000	0.0000	0	0.770	0.000
GroundS	SJR25Y24H	34.000	35.000	0.0000	0	0.770	0.000
GroundS	SJRMean	34.000	35.000	0.0000	0	0.770	0.000
LAKE MINNIE	002Y001H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y002H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y004H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y008H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y024H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y072H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y168H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	002Y240H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y001H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y002H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y004H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y008H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y024H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y072H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y168H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	005Y240H	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	010Y001H	34.833	36.500	-0.2700	863	88.000	88.601
LAKE MINNIE	010Y002H	34.833	36.500	-0.2700	863	88.000	88.612
LAKE MINNIE	010Y004H	34.833	36.500	-0.2700	863	88.000	88.386
LAKE MINNIE	010Y008H	34.833	36.500	-0.2700	863	88.000	88.318
LAKE MINNIE	010Y024H	34.833	36.500	-0.2700	863	88.000	88.000
LAKE MINNIE	010Y072H	34.833	36.500	-0.2700	863	88.000	88.000
LAKE MINNIE	010Y168H	34.833	36.500	-0.2700	863	88.000	88.000
LAKE MINNIE	010Y240H	34.833	36.500	-0.2700	863	88.000	88.000
LAKE MINNIE	025Y001H	35.248	36.500	-0.2700	863	111.000	111.722
LAKE MINNIE	025Y002H	35.248	36.500	-0.2700	863	111.000	111.722
LAKE MINNIE	025Y004H	35.248	36.500	-0.2700	863	111.000	111.581
LAKE MINNIE	025Y008H	35.248	36.500	-0.2700	863	111.000	111.638
LAKE MINNIE	025Y024H	35.251	36.500	-0.2700	863	111.000	111.157
LAKE MINNIE	025Y072H	35.248	36.500	-0.2700	863	111.000	111.000
LAKE MINNIE	025Y168H	35.248	36.500	-0.2700	863	111.000	111.000
LAKE MINNIE	025Y240H	35.248	36.500	-0.2700	863	111.000	111.000
LAKE MINNIE	050Y001H	35.912	36.500	-0.2700	863	134.000	134.378
LAKE MINNIE	050Y002H	35.912	36.500	-0.2700	863	134.000	134.231
LAKE MINNIE	050Y004H	35.803	36.500	-0.2700	863	134.000	134.155
LAKE MINNIE	050Y008H	35.888	36.500	-0.2700	863	134.000	134.247
LAKE MINNIE	050Y024H	35.636	36.500	-0.2700	863	134.000	134.056
LAKE MINNIE	050Y072H	35.636	36.500	-0.2700	863	134.000	134.056
LAKE MINNIE	050Y168H	35.636	36.500	-0.2700	863	134.000	134.056

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
LAKE MINNIE	050Y240H	35.636	36.500	-0.2700	863	134.000	134.060
LAKE MINNIE	100Y001H	36.577	36.500	-0.2700	151	147.000	156.172
LAKE MINNIE	100Y002H	36.629	36.500	-0.2700	151	147.000	156.172
LAKE MINNIE	100Y004H	36.375	36.500	-0.2700	863	147.000	147.701
LAKE MINNIE	100Y008H	36.510	36.500	-0.2700	685	147.000	151.221
LAKE MINNIE	100Y024H	35.846	36.500	-0.2700	863	147.000	147.453
LAKE MINNIE	100Y072H	35.846	36.500	-0.2700	863	147.000	147.453
LAKE MINNIE	100Y168H	35.846	36.500	-0.2700	863	147.000	147.453
LAKE MINNIE	100Y240H	35.846	36.500	-0.2700	863	147.000	147.453
LAKE MINNIE	100yr24hr	37.482	36.500	-0.2700	151	147.000	156.499
LAKE MINNIE	3Yr24Hr	34.237	36.500	-0.2700	863	58.000	58.000
LAKE MINNIE	SJR25Y24H	35.614	36.500	-0.2700	863	111.000	111.549
LAKE MINNIE	SJRMean	34.237	36.500	-0.2700	863	58.000	58.000
StormTech1	002Y001H	38.185	40.000	0.0039	10248	22.645	10.787
StormTech1	002Y002H	38.211	40.000	0.0041	10248	19.112	11.901
StormTech1	002Y004H	38.223	40.000	0.0050	10248	12.992	12.434
StormTech1	002Y008H	38.231	40.000	0.0050	10248	13.152	12.809
StormTech1	002Y024H	38.004	40.000	0.0050	10248	4.182	4.162
StormTech1	002Y072H	37.949	40.000	0.0050	10248	2.657	2.656
StormTech1	002Y168H	37.920	40.000	0.0050	10249	1.992	1.992
StormTech1	002Y240H	37.947	40.000	0.0050	10248	2.620	2.620
StormTech1	005Y001H	38.371	40.000	0.0046	10248	28.675	19.700
StormTech1	005Y002H	38.391	40.000	0.0050	10248	25.758	20.751
StormTech1	005Y004H	38.309	40.000	0.0050	10248	16.915	16.499
StormTech1	005Y008H	38.318	40.000	0.0050	10248	17.054	16.962
StormTech1	005Y024H	38.048	40.000	0.0050	10248	5.577	5.558
StormTech1	005Y072H	37.981	40.000	0.0050	10248	3.507	3.507
StormTech1	005Y168H	37.945	40.000	0.0050	10248	2.569	2.569
StormTech1	005Y240H	37.977	40.000	0.0050	10248	3.393	3.393
StormTech1	010Y001H	38.463	40.000	0.0043	10248	32.299	24.783
StormTech1	010Y002H	38.441	40.000	0.0050	10248	27.832	23.500
StormTech1	010Y004H	38.360	40.000	0.0050	10248	19.356	19.115
StormTech1	010Y008H	38.369	40.000	0.0050	10248	19.692	19.603
StormTech1	010Y024H	38.077	40.000	0.0050	10248	6.551	6.529
StormTech1	010Y072H	38.001	40.000	0.0050	10248	4.063	4.063
StormTech1	010Y168H	37.965	40.000	0.0050	10248	3.076	3.076
StormTech1	010Y240H	37.999	40.000	0.0050	10248	4.004	4.004
StormTech1	025Y001H	38.571	40.000	0.0050	10248	37.131	31.190
StormTech1	025Y002H	38.541	40.000	0.0050	10248	32.396	29.359
StormTech1	025Y004H	38.425	40.000	0.0050	10248	22.761	22.641
StormTech1	025Y008H	38.436	40.000	0.0050	10248	23.340	23.245
StormTech1	025Y024H	38.110	40.000	0.0050	10248	7.796	7.775
StormTech1	025Y072H	38.027	40.000	0.0050	10248	4.874	4.874
StormTech1	025Y168H	37.986	40.000	0.0050	10248	3.639	3.639
StormTech1	025Y240H	38.021	40.000	0.0050	10248	4.679	4.679
StormTech1	050Y001H	38.659	40.000	0.0050	10248	41.602	36.794
StormTech1	050Y002H	38.614	40.000	0.0050	10248	36.124	33.904
StormTech1	050Y004H	38.467	40.000	0.0050	10248	25.102	24.997
StormTech1	050Y008H	38.484	40.000	0.0050	10248	26.076	25.979
StormTech1	050Y024H	38.127	40.000	0.0050	10248	8.443	8.419
StormTech1	050Y072H	38.047	40.000	0.0050	10248	5.508	5.508
StormTech1	050Y168H	37.999	40.000	0.0050	10248	4.022	4.022
StormTech1	050Y240H	38.040	40.000	0.0050	10248	5.289	5.289
StormTech1	100Y001H	38.737	40.000	0.0050	10248	45.952	42.024
StormTech1	100Y002H	38.695	40.000	0.0050	10248	40.676	39.151
StormTech1	100Y004H	38.509	40.000	0.0050	10248	27.529	27.424
StormTech1	100Y008H	38.531	40.000	0.0050	10248	28.844	28.745
StormTech1	100Y024H	38.157	40.000	0.0050	10248	9.643	9.615
StormTech1	100Y072H	38.071	40.000	0.0050	10248	6.341	6.340
StormTech1	100Y168H	38.019	40.000	0.0050	10248	4.598	4.598
StormTech1	100Y240H	38.059	40.000	0.0050	10248	5.932	5.932
StormTech1	100yr24hr	38.764	40.000	0.0050	10248	44.328	43.900
StormTech1	3Yr24Hr	38.411	40.000	0.0050	10248	22.203	21.857
StormTech1	SJR25Y24H	38.639	40.000	0.0050	10248	35.837	35.470
StormTech1	SJRMean	38.325	40.000	0.0050	10248	18.345	17.312
StormTech2	002Y001H	38.468	39.000	0.0050	5155	12.374	7.439
StormTech2	002Y002H	38.442	39.000	0.0050	5260	10.357	6.469
StormTech2	002Y004H	38.422	39.000	0.0050	5338	6.303	5.784
StormTech2	002Y008H	38.438	39.000	0.0050	5275	6.387	6.331
StormTech2	002Y024H	38.251	39.000	0.0050	6585	1.962	1.316
StormTech2	002Y072H	37.568	39.000	0.0050	8367	1.259	0.744
StormTech2	002Y168H	37.572	39.000	0.0049	8360	0.950	0.745
StormTech2	002Y240H	38.246	39.000	0.0050	6604	1.249	1.249
StormTech2	005Y001H	38.603	39.000	0.0050	4715	16.043	13.046
StormTech2	005Y002H	38.589	39.000	0.0050	4740	14.283	12.423
StormTech2	005Y004H	38.488	39.000	0.0050	5077	8.383	8.187
StormTech2	005Y008H	38.493	39.000	0.0050	5057	8.395	8.380
StormTech2	005Y024H	38.315	39.000	0.0050	6219	2.656	2.652
StormTech2	005Y072H	38.248	39.000	0.0050	6596	1.671	1.280
StormTech2	005Y168H	38.245	39.000	-0.0050	6611	1.229	1.224

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
StormTech2	005Y240H	38.268	39.000	0.0050	6486	1.622	1.622
StormTech2	010Y001H	38.665	39.000	0.0050	4600	18.256	15.984
StormTech2	010Y002H	38.630	39.000	0.0050	4665	15.522	14.283
StormTech2	010Y004H	38.524	39.000	0.0050	4948	9.676	9.619
StormTech2	010Y008H	38.527	39.000	0.0050	4938	9.751	9.739
StormTech2	010Y024H	38.334	39.000	-0.0050	6098	3.137	3.134
StormTech2	010Y072H	38.284	39.000	0.0050	6396	1.940	1.939
StormTech2	010Y168H	38.260	39.000	0.0050	6533	1.474	1.473
StormTech2	010Y240H	38.283	39.000	0.0050	6402	1.917	1.917
StormTech2	025Y001H	38.737	39.000	0.0050	4590	21.215	19.674
StormTech2	025Y002H	38.702	39.000	0.0050	4590	18.248	17.831
StormTech2	025Y004H	38.567	39.000	0.0050	4802	11.479	11.432
StormTech2	025Y008H	38.571	39.000	0.0050	4788	11.620	11.612
StormTech2	025Y024H	38.357	39.000	0.0050	5901	3.754	3.751
StormTech2	025Y072H	38.302	39.000	0.0050	6295	2.331	2.331
StormTech2	025Y168H	38.274	39.000	0.0050	6451	1.744	1.744
StormTech2	025Y240H	38.298	39.000	0.0050	6317	2.242	2.242
StormTech2	050Y001H	38.797	39.000	0.0050	4590	23.956	22.922
StormTech2	050Y002H	38.748	39.000	0.0050	4590	20.474	20.253
StormTech2	050Y004H	38.595	39.000	0.0050	4730	12.714	12.668
StormTech2	050Y008H	38.602	39.000	-0.0049	4716	13.021	13.015
StormTech2	050Y024H	38.368	39.000	-0.0050	5804	4.073	4.070
StormTech2	050Y072H	38.315	39.000	0.0050	6222	2.637	2.637
StormTech2	050Y168H	38.284	39.000	0.0050	6399	1.929	1.929
StormTech2	050Y240H	38.311	39.000	0.0050	6246	2.536	2.536
StormTech2	100Y001H	38.850	39.000	0.0050	4590	26.624	25.913
StormTech2	100Y002H	38.799	39.000	0.0050	4590	23.192	23.000
StormTech2	100Y004H	38.622	39.000	0.0050	4679	13.991	13.945
StormTech2	100Y008H	38.633	39.000	-0.0050	4659	14.440	14.433
StormTech2	100Y024H	38.387	39.000	-0.0050	5632	4.664	4.661
StormTech2	100Y072H	38.331	39.000	0.0050	6130	3.038	3.038
StormTech2	100Y168H	38.296	39.000	0.0050	6326	2.206	2.206
StormTech2	100Y240H	38.323	39.000	0.0050	6175	2.846	2.845
StormTech2	100yr24hr	38.869	39.000	0.0050	4590	27.698	27.046
StormTech2	3Yr24Hr	38.590	39.000	0.0050	4739	13.478	12.463
StormTech2	SJR25Y24H	38.775	39.000	0.0050	4590	22.251	21.698
StormTech2	SJRMean	38.507	39.000	0.0050	5006	10.974	8.933
Swales D1-D5	002Y001H	37.509	39.000	0.0050	10595	8.063	6.150
Swales D1-D5	002Y002H	37.478	39.000	0.0050	10275	6.868	5.306
Swales D1-D5	002Y004H	37.422	39.000	0.0050	9692	4.112	3.880
Swales D1-D5	002Y008H	37.436	39.000	0.0050	9835	4.300	4.214
Swales D1-D5	002Y024H	37.298	39.000	0.0046	8402	1.325	1.316
Swales D1-D5	002Y072H	37.271	39.000	0.0048	8122	0.891	0.891
Swales D1-D5	002Y168H	37.256	39.000	0.0026	7968	0.681	0.681
Swales D1-D5	002Y240H	37.271	39.000	0.0035	8125	0.894	0.894
Swales D1-D5	005Y001H	37.598	39.000	0.0050	11519	10.784	8.808
Swales D1-D5	005Y002H	37.586	39.000	0.0050	11384	9.869	8.401
Swales D1-D5	005Y004H	37.483	39.000	0.0050	10324	5.651	5.433
Swales D1-D5	005Y008H	37.493	39.000	0.0050	10427	5.783	5.701
Swales D1-D5	005Y024H	37.327	39.000	0.0045	8702	1.838	1.830
Swales D1-D5	005Y072H	37.290	39.000	0.0050	8325	1.194	1.194
Swales D1-D5	005Y168H	37.270	39.000	0.0020	8118	0.885	0.885
Swales D1-D5	005Y240H	37.289	39.000	0.0039	8309	1.168	1.168
Swales D1-D5	010Y001H	37.648	39.000	0.0050	12031	12.442	10.411
Swales D1-D5	010Y002H	37.615	39.000	0.0050	11693	10.814	9.343
Swales D1-D5	010Y004H	37.518	39.000	0.0050	10684	6.614	6.391
Swales D1-D5	010Y008H	37.529	39.000	0.0050	10798	6.787	6.706
Swales D1-D5	010Y024H	37.345	39.000	0.0048	8894	2.195	2.187
Swales D1-D5	010Y072H	37.302	39.000	0.0050	8448	1.392	1.391
Swales D1-D5	010Y168H	37.282	39.000	-0.0023	8241	1.065	1.065
Swales D1-D5	010Y240H	37.302	39.000	0.0036	8444	1.384	1.384
Swales D1-D5	025Y001H	37.710	39.000	0.0050	12676	14.672	12.557
Swales D1-D5	025Y002H	37.677	39.000	0.0050	12328	12.908	11.384
Swales D1-D5	025Y004H	37.563	39.000	0.0050	11155	7.960	7.724
Swales D1-D5	025Y008H	37.575	39.000	0.0050	11280	8.171	8.091
Swales D1-D5	025Y024H	37.368	39.000	0.0049	9125	2.651	2.643
Swales D1-D5	025Y072H	37.319	39.000	0.0050	8617	1.679	1.678
Swales D1-D5	025Y168H	37.295	39.000	-0.0026	8369	1.263	1.262
Swales D1-D5	025Y240H	37.315	39.000	-0.0031	8585	1.622	1.622
Swales D1-D5	050Y001H	37.765	39.000	0.0050	13242	16.747	14.546
Swales D1-D5	050Y002H	37.723	39.000	0.0046	12814	14.619	13.031
Swales D1-D5	050Y004H	37.593	39.000	0.0050	11463	8.884	8.638
Swales D1-D5	050Y008H	37.609	39.000	0.0050	11624	9.207	9.128
Swales D1-D5	050Y024H	37.379	39.000	0.0048	9239	2.886	2.878
Swales D1-D5	050Y072H	37.331	39.000	0.0049	8742	1.903	1.902
Swales D1-D5	050Y168H	37.303	39.000	-0.0028	8452	1.398	1.397
Swales D1-D5	050Y240H	37.327	39.000	-0.0034	8706	1.836	1.836
Swales D1-D5	100Y001H	37.816	39.000	0.0050	13769	18.807	16.483
Swales D1-D5	100Y002H	37.778	39.000	0.0040	13375	16.715	15.027
Swales D1-D5	100Y004H	37.623	39.000	0.0050	11770	9.840	9.583
Swales D1-D5	100Y008H	37.641	39.000	0.0050	11957	10.253	10.175

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
Swales D1-D5	100Y024H	37.398	39.000	0.0050	9442	3.321	3.314
Swales D1-D5	100Y072H	37.346	39.000	0.0049	8899	2.196	2.196
Swales D1-D5	100Y168H	37.314	39.000	-0.0031	8572	1.600	1.600
Swales D1-D5	100Y240H	37.339	39.000	-0.0035	8829	2.062	2.062
Swales D1-D5	100yr24hr	37.874	39.000	0.0045	14370	21.216	18.790
Swales D1-D5	3Yr24Hr	37.595	39.000	0.0037	11478	9.895	8.684
Swales D1-D5	SJR25Y24H	37.775	39.000	0.0038	13351	16.886	14.939
Swales D1-D5	SJRMean	37.536	39.000	0.0036	10870	7.905	6.908
TW 817 Dt	002Y001H	33.000	39.000	0.0000	0	6.150	0.000
TW 817 Dt	002Y002H	33.000	39.000	0.0000	0	5.306	0.000
TW 817 Dt	002Y004H	33.000	39.000	0.0000	0	3.880	0.000
TW 817 Dt	002Y008H	33.000	39.000	0.0000	0	4.214	0.000
TW 817 Dt	002Y024H	33.000	39.000	0.0000	0	1.316	0.000
TW 817 Dt	002Y072H	33.000	39.000	0.0000	0	0.891	0.000
TW 817 Dt	002Y168H	33.000	39.000	0.0000	0	0.681	0.000
TW 817 Dt	002Y240H	33.000	39.000	0.0000	0	0.894	0.000
TW 817 Dt	005Y001H	33.000	39.000	0.0000	0	8.808	0.000
TW 817 Dt	005Y002H	33.000	39.000	0.0000	0	8.401	0.000
TW 817 Dt	005Y004H	33.000	39.000	0.0000	0	5.433	0.000
TW 817 Dt	005Y008H	33.000	39.000	0.0000	0	5.701	0.000
TW 817 Dt	005Y024H	33.000	39.000	0.0000	0	1.830	0.000
TW 817 Dt	005Y072H	33.000	39.000	0.0000	0	1.194	0.000
TW 817 Dt	005Y168H	33.000	39.000	0.0000	0	0.885	0.000
TW 817 Dt	005Y240H	33.000	39.000	0.0000	0	1.168	0.000
TW 817 Dt	010Y001H	33.000	39.000	0.0000	0	10.411	0.000
TW 817 Dt	010Y002H	33.000	39.000	0.0000	0	9.343	0.000
TW 817 Dt	010Y004H	33.000	39.000	0.0000	0	6.391	0.000
TW 817 Dt	010Y008H	33.000	39.000	0.0000	0	6.706	0.000
TW 817 Dt	010Y024H	33.000	39.000	0.0000	0	2.187	0.000
TW 817 Dt	010Y072H	33.000	39.000	0.0000	0	1.391	0.000
TW 817 Dt	010Y168H	33.000	39.000	0.0000	0	1.065	0.000
TW 817 Dt	010Y240H	33.000	39.000	0.0000	0	1.384	0.000
TW 817 Dt	025Y001H	33.000	39.000	0.0000	0	12.557	0.000
TW 817 Dt	025Y002H	33.000	39.000	0.0000	0	11.384	0.000
TW 817 Dt	025Y004H	33.000	39.000	0.0000	0	7.724	0.000
TW 817 Dt	025Y008H	33.000	39.000	0.0000	0	8.091	0.000
TW 817 Dt	025Y024H	33.000	39.000	0.0000	0	2.643	0.000
TW 817 Dt	025Y072H	33.000	39.000	0.0000	0	1.678	0.000
TW 817 Dt	025Y168H	33.000	39.000	0.0000	0	1.262	0.000
TW 817 Dt	025Y240H	33.000	39.000	0.0000	0	1.622	0.000
TW 817 Dt	050Y001H	33.000	39.000	0.0000	0	14.546	0.000
TW 817 Dt	050Y002H	33.000	39.000	0.0000	0	13.031	0.000
TW 817 Dt	050Y004H	33.000	39.000	0.0000	0	8.638	0.000
TW 817 Dt	050Y008H	33.000	39.000	0.0000	0	9.128	0.000
TW 817 Dt	050Y024H	33.000	39.000	0.0000	0	2.878	0.000
TW 817 Dt	050Y072H	33.000	39.000	0.0000	0	1.902	0.000
TW 817 Dt	050Y168H	33.000	39.000	0.0000	0	1.397	0.000
TW 817 Dt	050Y240H	33.000	39.000	0.0000	0	1.836	0.000
TW 817 Dt	100Y001H	33.000	39.000	0.0000	0	16.483	0.000
TW 817 Dt	100Y002H	33.000	39.000	0.0000	0	15.027	0.000
TW 817 Dt	100Y004H	33.000	39.000	0.0000	0	9.583	0.000
TW 817 Dt	100Y008H	33.000	39.000	0.0000	0	10.175	0.000
TW 817 Dt	100Y024H	33.000	39.000	0.0000	0	3.314	0.000
TW 817 Dt	100Y072H	33.000	39.000	0.0000	0	2.196	0.000
TW 817 Dt	100Y168H	33.000	39.000	0.0000	0	1.600	0.000
TW 817 Dt	100Y240H	33.000	39.000	0.0000	0	2.062	0.000
TW 817 Dt	100yr24hr	33.000	39.000	0.0000	0	18.790	0.000
TW 817 Dt	3Yr24Hr	33.000	39.000	0.0000	0	8.684	0.000
TW 817 Dt	SJR25Y24H	33.000	39.000	0.0000	0	14.939	0.000
TW 817 Dt	SJRMean	33.000	39.000	0.0000	0	6.908	0.000
TW2-36s	002Y001H	32.250	35.000	0.0000	7	72.630	0.000
TW2-36s	002Y002H	32.250	35.000	0.0000	7	76.352	0.000
TW2-36s	002Y004H	32.250	35.000	0.0000	7	79.679	0.000
TW2-36s	002Y008H	32.250	35.000	0.0000	7	80.506	0.000
TW2-36s	002Y024H	32.250	35.000	0.0000	7	63.370	0.000
TW2-36s	002Y072H	32.250	35.000	0.0000	7	61.384	0.000
TW2-36s	002Y168H	32.250	35.000	0.0000	7	60.400	0.000
TW2-36s	002Y240H	32.250	35.000	0.0000	7	61.869	0.000
TW2-36s	005Y001H	32.250	35.000	0.0000	7	87.960	0.000
TW2-36s	005Y002H	32.250	35.000	0.0000	7	92.246	0.000
TW2-36s	005Y004H	32.250	35.000	0.0000	7	88.284	0.000
TW2-36s	005Y008H	32.250	35.000	0.0000	7	90.092	0.000
TW2-36s	005Y024H	32.250	35.000	0.0000	7	67.558	0.000
TW2-36s	005Y072H	32.250	35.000	0.0000	7	62.883	0.000
TW2-36s	005Y168H	32.250	35.000	0.0000	7	61.800	0.000
TW2-36s	005Y240H	32.250	35.000	0.0000	7	63.516	0.000
TW2-36s	010Y001H	32.250	35.000	0.0000	7	125.047	0.000
TW2-36s	010Y002H	32.250	35.000	0.0000	7	125.588	0.000
TW2-36s	010Y004H	32.250	35.000	0.0000	7	123.132	0.000
TW2-36s	010Y008H	32.250	35.000	0.0000	7	125.378	0.000

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
TW2-36s	010Y024H	32.250	35.000	0.0000	7	99.626	0.000
TW2-36s	010Y072H	32.250	35.000	0.0000	7	94.875	0.000
TW2-36s	010Y168H	32.250	35.000	0.0000	7	92.886	0.000
TW2-36s	010Y240H	32.250	35.000	0.0000	7	94.815	0.000
TW2-36s	025Y001H	32.250	35.000	0.0000	7	155.867	0.000
TW2-36s	025Y002H	32.250	35.000	0.0000	7	156.386	0.000
TW2-36s	025Y004H	32.250	35.000	0.0000	7	152.765	0.000
TW2-36s	025Y008H	32.250	35.000	0.0000	7	155.400	0.000
TW2-36s	025Y024H	32.250	35.000	0.0000	7	125.272	0.000
TW2-36s	025Y072H	32.250	35.000	0.0000	7	119.600	0.000
TW2-36s	025Y168H	32.250	35.000	0.0000	7	117.078	0.000
TW2-36s	025Y240H	32.250	35.000	0.0000	7	119.247	0.000
TW2-36s	050Y001H	32.250	35.000	0.0000	7	183.734	0.000
TW2-36s	050Y002H	32.250	35.000	0.0000	7	183.753	0.000
TW2-36s	050Y004H	32.250	35.000	0.0000	7	179.762	0.000
TW2-36s	050Y008H	32.250	35.000	0.0000	7	182.886	0.000
TW2-36s	050Y024H	32.250	35.000	0.0000	7	149.581	0.000
TW2-36s	050Y072H	32.250	35.000	0.0000	7	143.947	0.000
TW2-36s	050Y168H	32.250	35.000	0.0000	7	140.891	0.000
TW2-36s	050Y240H	32.250	35.000	0.0000	7	143.540	0.000
TW2-36s	100Y001H	32.250	35.000	0.0000	7	201.529	0.000
TW2-36s	100Y002H	32.250	35.000	0.0000	7	202.829	0.000
TW2-36s	100Y004H	32.250	35.000	0.0000	7	196.932	0.000
TW2-36s	100Y008H	32.250	35.000	0.0000	7	200.435	0.000
TW2-36s	100Y024H	32.250	35.000	0.0000	7	165.050	0.000
TW2-36s	100Y072H	32.250	35.000	0.0000	7	158.714	0.000
TW2-36s	100Y168H	32.250	35.000	0.0000	7	155.114	0.000
TW2-36s	100Y240H	32.250	35.000	0.0000	7	157.901	0.000
TW2-36s	100yr24hr	32.250	35.000	0.0000	7	223.004	0.000
TW2-36s	3Yr24Hr	32.250	35.000	0.0000	7	99.027	0.000
TW2-36s	SJR25Y24H	32.250	35.000	0.0000	7	177.377	0.000
TW2-36s	SJRMean	32.250	35.000	0.0000	7	88.234	0.000

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SUMMARY OF BASIN 'DS' & 'DN' TOTAL CRITICAL DURATION STORMS (CFS)
(Peak Discharge Approach)

DURATION		YEAR					
		2 YR	5 YR	10 YR	25 YR	50 YR	100 YR
1 Hour	Pre	35.59	47.18	54.24	63.73	72.59	81.26
	Post	24.38	41.55	51.18	63.42	74.26	84.42
2 Hour	Pre	30.61	43.52	47.58	56.57	63.93	72.95
	Post	23.68	41.58	47.13	58.57	67.19	77.18
4 Hour	Pre	20.70	28.08	32.71	39.23	43.71	48.35
	Post	22.10	30.12	35.13	41.80	46.30	50.95
8 Hour	Pre	21.97	29.44	34.49	41.45	46.66	51.92
	Post	23.35	31.04	36.05	42.95	48.12	53.35
24 Hour	Pre	7.01	9.63	11.46	13.78	14.99	17.21
	Post	6.79	10.04	11.85	14.17	15.37	17.59
3 Day	Pre	4.68	6.24	7.26	8.74	9.90	11.41
	Post	4.29	5.98	7.39	8.88	10.05	11.57
7 Day	Pre	3.56	4.61	5.54	6.56	7.26	8.30
	Post	3.42	4.68	5.61	6.65	7.35	8.40
10 Day	Pre	4.67	6.08	7.20	8.43	9.54	10.71
	Post	4.76	6.18	7.31	8.54	9.66	10.84

NOTE: Qpre = Sum of Q's from Ex. Hydrographs, Qpost = Q(routed)

SJRWMD'S 25 YEAR - 24 HOUR

BASINS	Pre Q (cfs) Hydrographs	Post Q (cfs) ICPR Routed	Peak Stage (ft)
Basin 'D-S'	5.82	35.47	38.64
Basin 'D-N'	31.48	21.70	38.78
Swale D-1 to D-5	14.53	14.94	37.78
Ex. 36" RCP Area	5.90	- - - -	- - - -
Ex. 30" RCP Area	16.50	- - - -	- - - -
TOTAL =	**74.23**	**72.11**	

SJRWMD'S MEAN ANNUAL

BASINS	Pre Q (cfs) Hydrographs	Post Q (cfs) ICPR Routed	Peak Stage (ft)
Basin 'D-S'	2.79	17.31	38.33
Basin 'D-N'	15.03	8.93	38.51
Swale D-1 to D-5	6.91	6.91	37.54
Ex. 36" RCP Area	2.85	- - - -	- - - -
Ex. 30" RCP Area	7.97	- - - -	- - - -
TOTAL =	**35.55**	**33.15**	

JACOBS

PROJECT: SR 15 WIDENING - SEMINOLE COUNTY, FL.
Basin: Basin 'D'

Made by: HDT Checked by: MBS
DATE: April 14 2011 TIME: 2:22 PM
Project Number: 240196-01-5201

Site-Specific Pre-/Post- Pollutant Loading Analysis

Existing Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Ex. Basin 'DS'	HWY 50%	HSG D	0.871	X	1.08	=	0.94				0.94
Ex. Basin 'DN'	HWY 50%	HSG D	0.871	X	7.00	=	6.10				6.10
Ex. 36" RCP Area	HWY 50%	HSG D	0.871	X	1.30	=	1.13				1.13
Ex. 30" RCP Area	HWY 50%	HSG D	0.871	X	4.12	=	3.59				3.59
Ex. Swales	HWY 50%	HSG D	0.871	X	3.24	=	2.82				2.82
Ex. (Sunland) Park South	OPEN	HSG D	0.051	X	1.19	=	0.06				0.06
Ex. (Sunland) Park North	OPEN	HSG D	0.051	X	4.61	=	0.24				0.24
			TOTALS =		22.54		14.88			TOTALS =	14.88

Proposed Condition	Land Use	Soil Type	Total P Loading (kg/ac-yr)		Basin Acreage (acres)		Inflow Mass Loading (kg/yr)	Treatment System	Inches of Retention Over Basin Area (inches)	Pollutant Removal Efficiency (%)	Outflow Mass Loading (kg/yr)
Basin 'D-S'	HWY 75%	HSG D	1.133	X	9.24	=	10.47	Dry Retention	*1.25*	84	1.68
Basin 'D-N'	HWY 75%	HSG D	1.133	X	4.44	=	5.03	Dry Retention	*1.25*	84	0.80
Swale D-1 to D-5	HWY 75%	HSG D	1.133	X	3.23	=	3.66	Dry Retention	*1.25*	84	0.59
Ex. (Sunland) Park South	OPEN	HSG D	0.051	X	1.19	=	0.06				0.06
Ex. (Sunland) Park North	OPEN	HSG D	0.051	X	4.61	=	0.24				0.24
			TOTALS =		22.71		19.45			TOTALS =	3.36

CONCLUSION:

EXISTING OUTFLOW MASS LOADING = 14.88 kg/yr

PROPOSED OUTFLOW MASS LOADING = 3.36 kg/yr

==========

NET REDUCTION IN PHOSPHOROUS LOADING = 11.52 kg/yr

PERCENT NET REDUCTION IN TOTAL P LOADING = 77.41%

F

Appendix F

Cross Drain Analysis

- CROSS DRAIN DRAINAGE MAP
- S-113A
- S-276A
- S-367A
- GH-CD

N

0 500 2000

Feet

LEGEND

Basin Divide

Cross Culvert or Bridge

NOTE:
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES.
This sheet is in the plans for documentation and to assit construction personnel with drainage concerns.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Jacobs Engineering Group Inc.
5750 Major Blvd, Suite 400
Orlando, Florida 32819
(407) 903-5001
CERTIFICATE OF AUTHORIZATION NO. 2822
ENGINEER OF RECORD:
MURRAY B. SANTORO, P.E. NO. 66065

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

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

DRAINAGE MAP

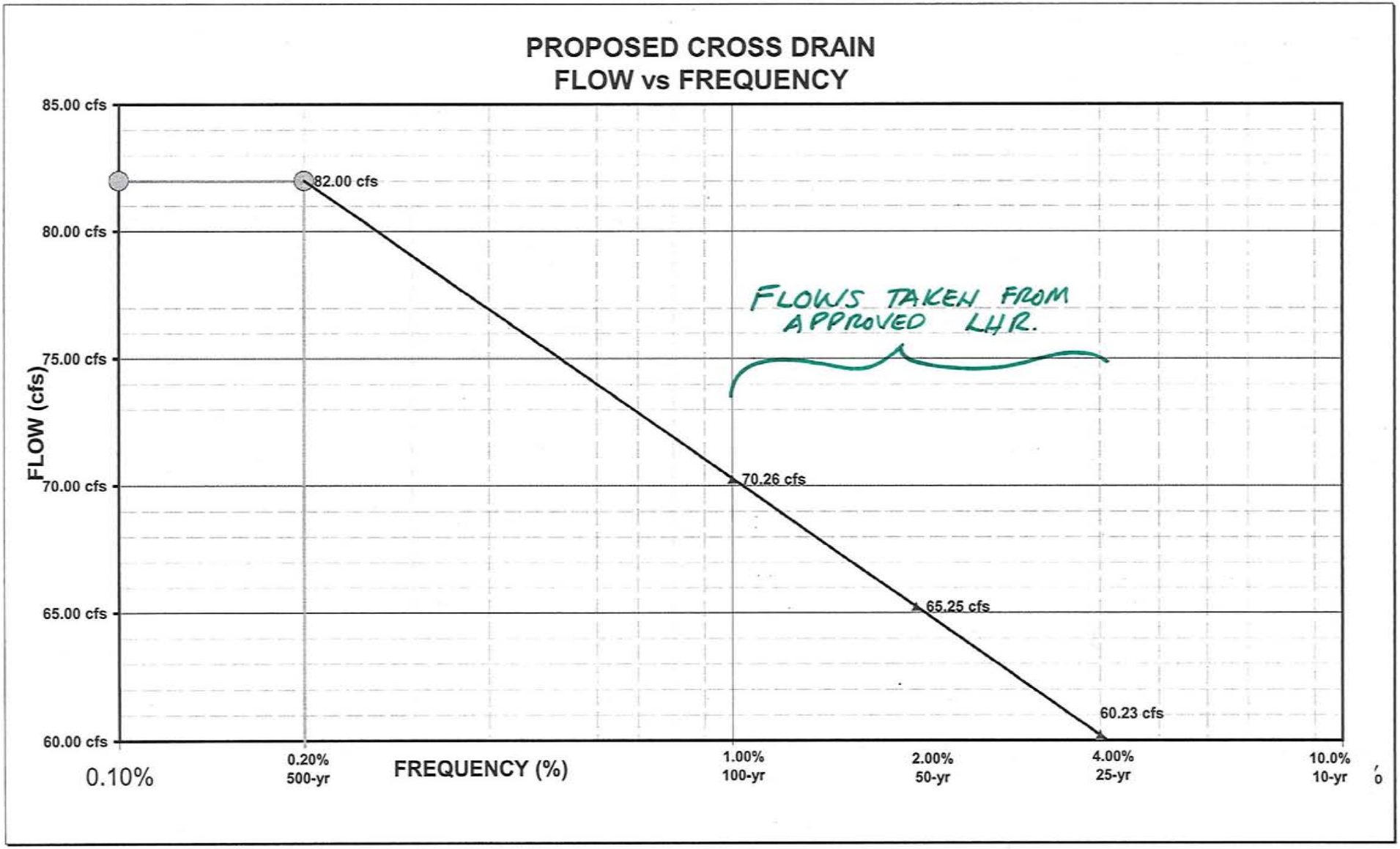
SHEET NO. 15A

JACOBS
Carter & Burgess

Made by: HDT Ch'd by:
Date: 16-May-08 Time: 9:42 AM
Project Number: 240196-1-32-01

PROJECT: SR 15/600 Improvements
STATION: 670+91.87
STRUCTURE NUMBER: S-113A S-113A: 2-30" RCP @ Sta 670+91.87

PROPOSED CROSS DRAIN ANALYSIS



HY-8 Culvert Analysis Report

Table 1 - Summary of Culvert Flows at Crossing: S-113A

Headwater Elevation (ft)	Total Discharge (cfs)	2-30" RCP's Discharge (cfs)	Roadway Discharge (cfs)	Iterations
20.46	53.50	53.50	0.00	1
20.59	56.35	56.35	0.00	1
20.72	59.20	59.20	0.00	1
20.78	60.23	60.23	0.00	1
21.02	64.90	64.90	0.00	1
21.18	67.75	67.75	0.00	1
21.34	70.60	70.60	0.00	1
21.51	73.45	73.45	0.00	1
21.69	76.30	76.30	0.00	1
21.88	79.15	79.15	0.00	1
22.07	82.00	82.00	0.00	1

Rating Curve Plot for Crossing: S-113A

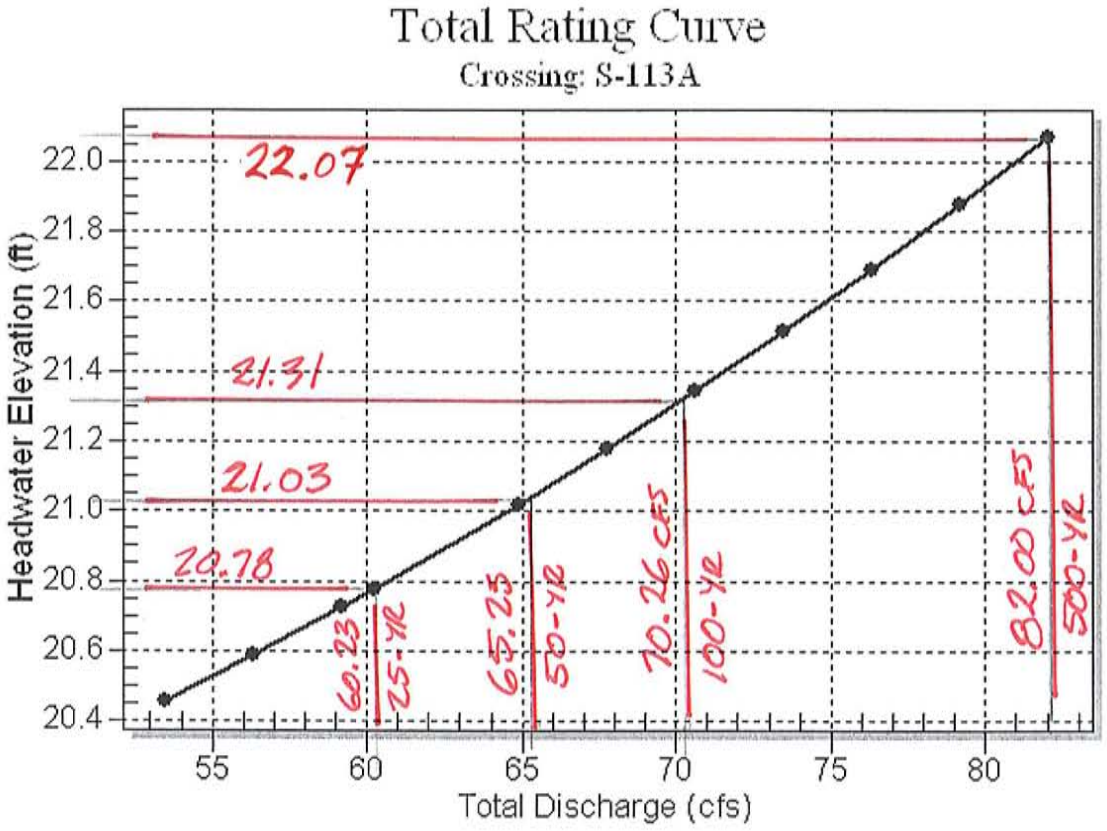


Table 2 - Culvert Summary Table: 2-30" RCP's

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)	Tailwater Velocity (ft/s)
53.50	53.50	20.46	2.868	3.516	4-FFf	2.500	1.762	2.500	2.590	5.449	0.000
56.35	56.35	20.59	2.994	3.647	4-FFf	2.500	1.805	2.500	2.590	5.740	0.000
59.20	59.20	20.72	3.126	3.785	4-FFf	2.500	1.848	2.500	2.590	6.030	0.000
60.23	60.23	20.78	3.175	3.836	4-FFf	2.500	1.863	2.500	2.590	6.135	0.000
64.90	64.90	21.02	3.408	4.080	4-FFf	2.500	1.933	2.500	2.590	6.611	0.000
67.75	67.75	21.18	3.559	4.238	4-FFf	2.500	1.976	2.500	2.590	6.901	0.000
70.60	70.60	21.34	3.717	4.403	4-FFf	2.500	2.014	2.500	2.590	7.191	0.000
73.45	73.45	21.51	3.882	4.575	4-FFf	2.500	2.044	2.500	2.590	7.482	0.000
76.30	76.30	21.69	4.055	4.753	4-FFf	2.500	2.074	2.500	2.590	7.772	0.000
79.15	79.15	21.88	4.235	4.938	4-FFf	2.500	2.104	2.500	2.590	8.062	0.000
82.00	82.00	22.07	4.422	5.130	4-FFf	2.500	2.134	2.500	2.590	8.352	0.000

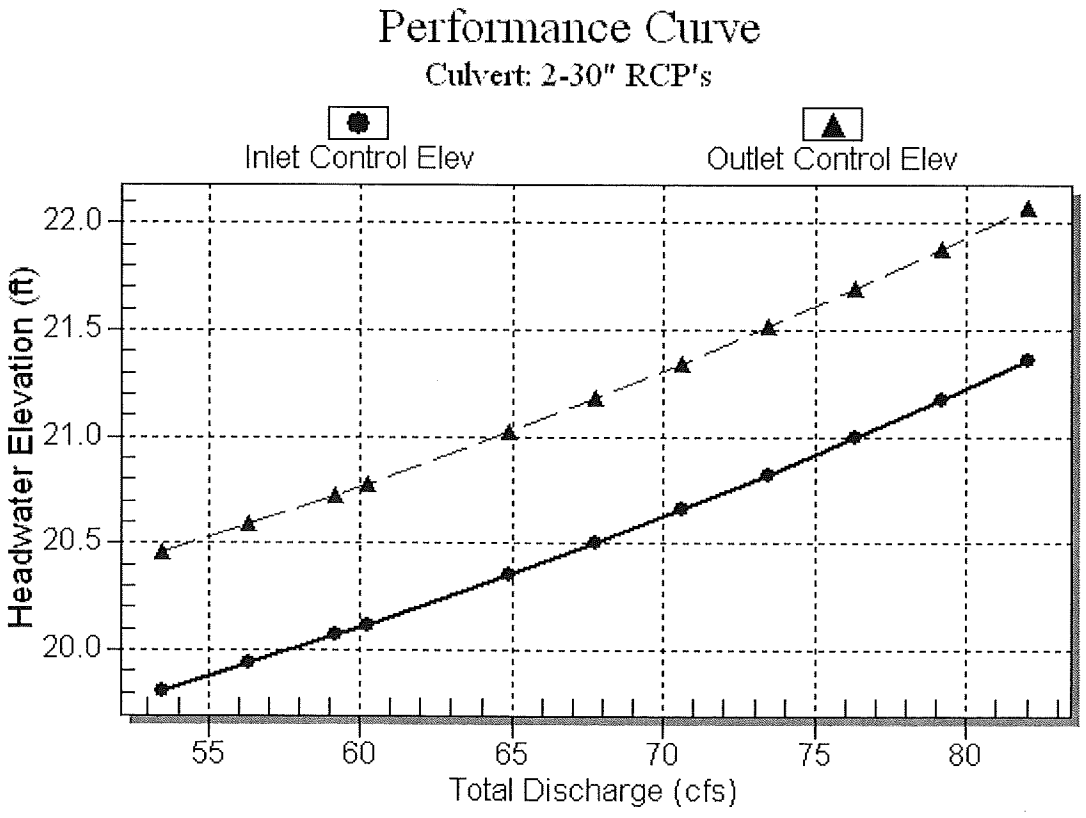
****

Inlet Elevation (invert): 16.94 ft, Outlet Elevation (invert): 16.60 ft

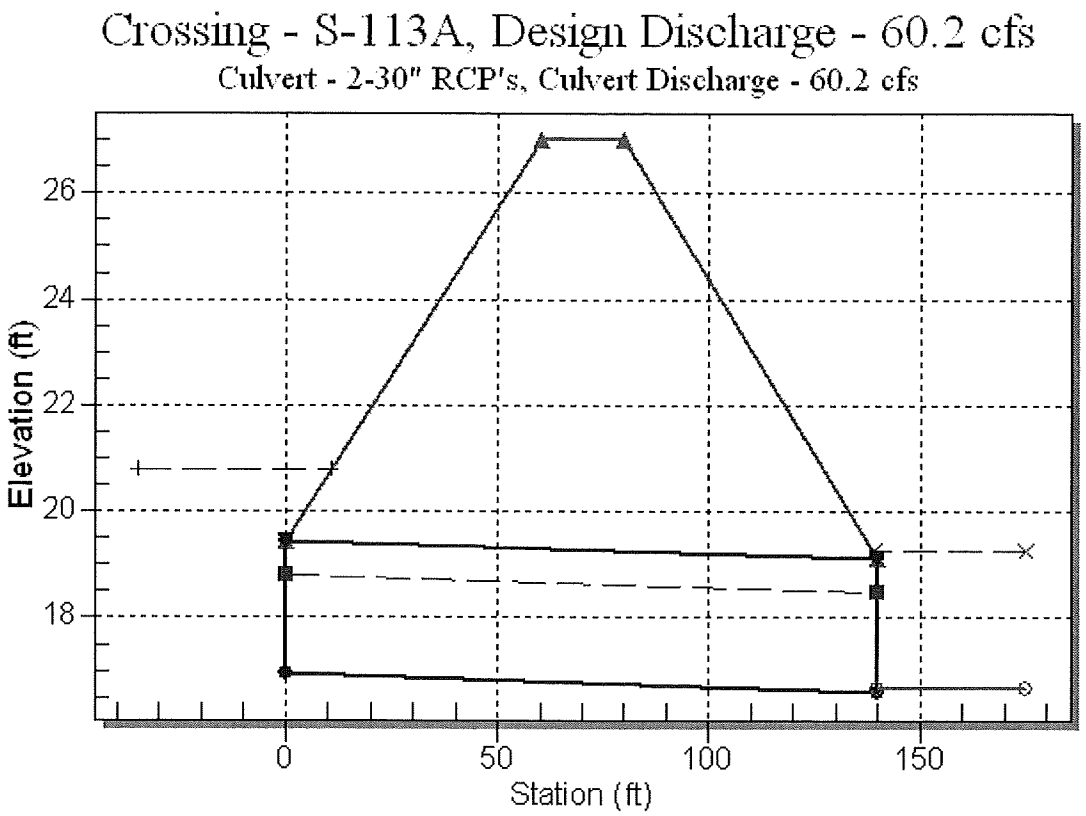
Culvert Length: 140.00 ft, Culvert Slope: 0.0024

****

Culvert Performance Curve Plot: 2-30" RCP's



Water Surface Profile Plot for Culvert: 2-30" RCP's



Site Data - 2-30" RCP's

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 16.94 ft

Outlet Station: 140.00 ft

Outlet Elevation: 16.60 ft

Number of Barrels: 2

Culvert Data Summary - 2-30" RCP's

Barrel Shape: Circular

Barrel Diameter: 2.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Inlet Type: Conventional

Inlet Edge Condition: Square Edge with Headwall

Inlet Depression: NONE

Table 3 - Downstream Channel Rating Curve (Crossing: S-113A)

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)
53.50	19.26	2.59
56.35	19.26	2.59
59.20	19.26	2.59
60.23	19.26	2.59
64.90	19.26	2.59
67.75	19.26	2.59
70.60	19.26	2.59
73.45	19.26	2.59
76.30	19.26	2.59
79.15	19.26	2.59
82.00	19.26	2.59

Tailwater Channel Data - S-113A

Tailwater Channel Option: Enter Constant Tailwater Elevation

Constant Tailwater Elevation: 19.26 ft

Roadway Data for Crossing: S-113A

Roadway Profile Shape: Constant Roadway Elevation

Crest Length: 40.00 ft

Crest Elevation: 27.00 ft

Roadway Surface: Paved

Roadway Top Width: 20.00 ft

JACOBS
Carter & Burgess

Made by: HDT Checked by: _____
Date: 16-May-08 Time: 7:56 AM
Project Number: 240196-1-32-01
Cross Drain Number: S-276A
Station: 766+88.00

PROJECT: SR 15/600 Improvements
S-276A: 54" PIPE at Sta 766+88

REGRESSION EQUATION METHOD CALCULATIONS

Region: A

Storm	REGRESSION EQUATIONS
25-Year	Q25 = 395 DA^0.696 SL^0.240 (LK+3)^-0.717
50-Year	Q50 = 496 DA^0.690 SL^0.234 (LK+3)^-0.705
100-Year	Q100 = 609 DA^0.685 SL^0.227 (LK+3)^-0.695
500-Year	Q500 = 985 DA^0.668 SL^0.196 (LK+3)^-0.687

Drainage Area (DA) = **0.38** square miles

Slope (SL) Determination

Total Distance = **1.00** miles.

Elevation @ 10% = **35.00** ft.

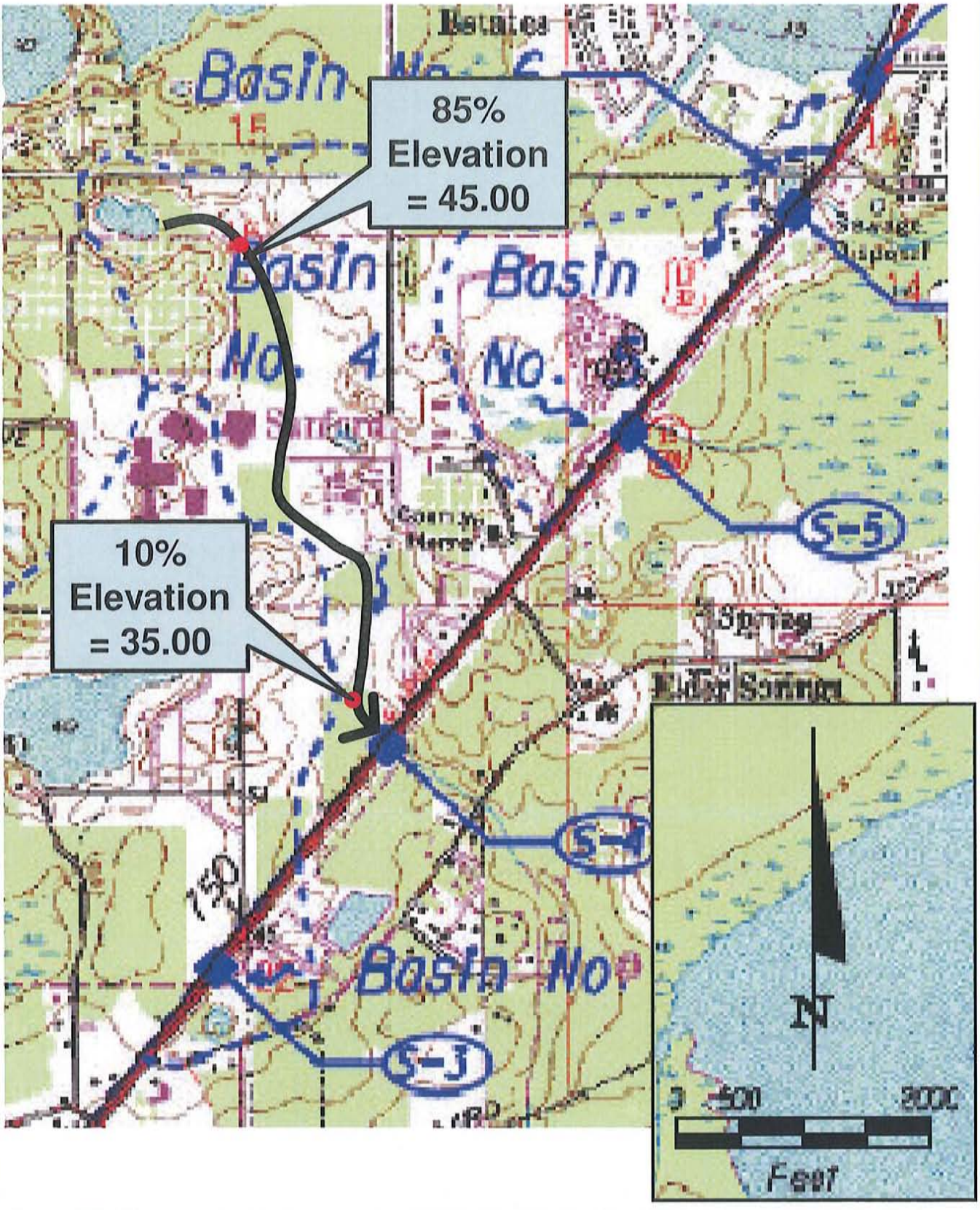
Elevation @ 85% = **45.00** ft.

Average Slope = (85% - 10%) / ((Total Distance x 10) - (Total Distance x 85%))

Average Slope = **13.33** ft/mile

Lake Area (%) = **8.00** %

Storm	Q (cfs)	Use Q (cfs)
25-Year	66.79	67.00
50-Year	85.48	85.00
100-Year	106.09	106.00
500-Year	164.11	164.00



CROSS DRAIN MAP

REGRESSION EQUATION
10% & 85% ELEVATIONS

SR 15/600 – FROM SHEPARD ROAD TO LAKE MARY BLVD.

JACOBS

EXHIBIT
1

HY-8 Culvert Analysis Report

Table 1 - Summary of Culvert Flows at Crossing: S-276A

Headwater Elevation (ft)	Total Discharge (cfs)	Exist 54" RCP Discharge (cfs)	Roadway Discharge (cfs)	Iterations
37.52	67.00	67.00	0.00	1
37.69	76.70	76.70	0.00	1
37.88	86.40	86.40	0.00	1
38.10	96.10	96.10	0.00	1
38.35	105.80	105.80	0.00	1
38.35	106.00	106.00	0.00	1
38.90	125.20	125.20	0.00	1
39.21	134.90	134.90	0.00	1
39.55	144.60	144.60	0.00	1
39.91	154.30	154.30	0.00	1
40.29	164.00	164.00	0.00	1

Rating Curve Plot for Crossing: S-276A

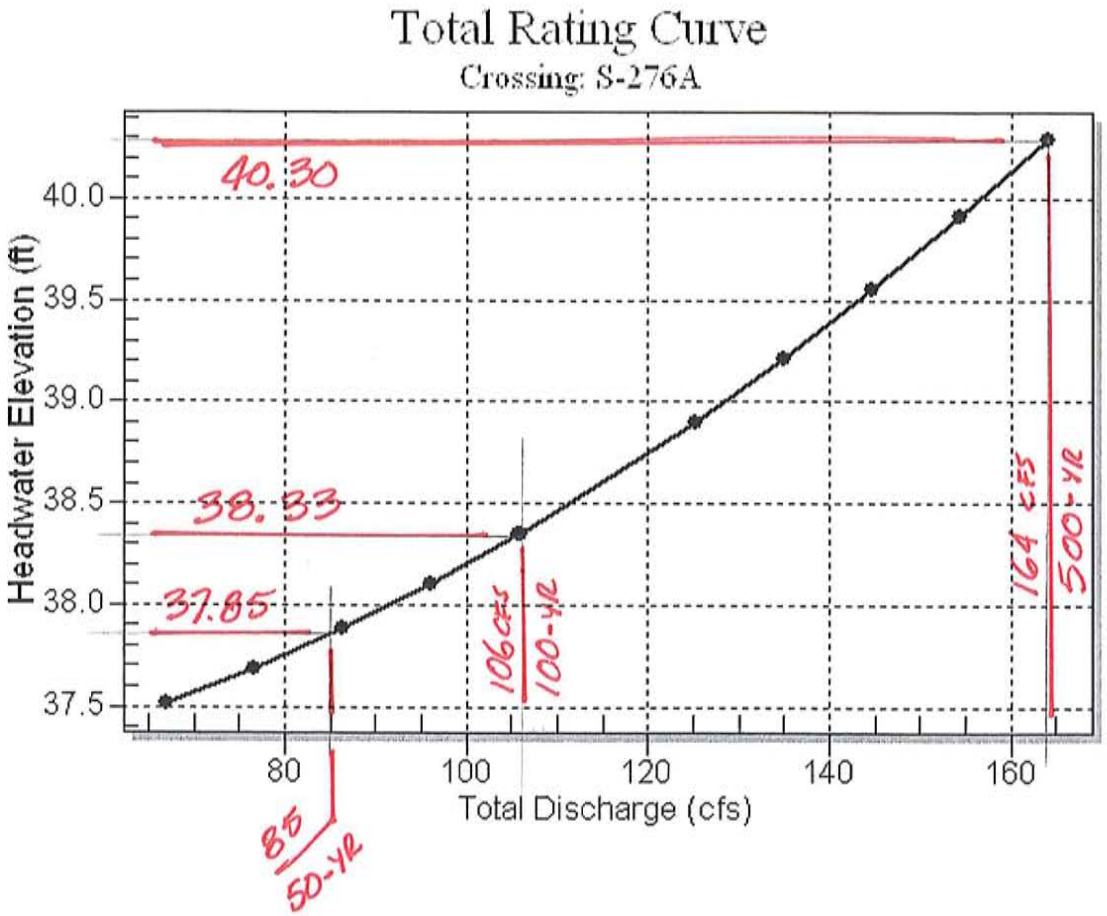


Table 2 - Culvert Summary Table: Exist 54" RCP

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)	Tailwater Velocity (ft/s)
67.00	67.00	37.52	3.553	5.226	4-FFf	4.500	2.376	4.500	4.710	4.213	0.000
76.70	76.70	37.69	3.863	5.399	4-FFf	4.500	2.551	4.500	4.710	4.823	0.000
86.40	86.40	37.88	4.169	5.595	4-FFf	4.500	2.721	4.500	4.710	5.432	0.000
96.10	96.10	38.10	4.480	5.814	4-FFf	4.500	2.869	4.500	4.710	6.042	0.000
105.80	105.80	38.35	4.801	6.056	4-FFf	4.500	3.016	4.500	4.710	6.652	0.000
106.00	106.00	38.35	4.808	6.062	4-FFf	4.500	3.020	4.500	4.710	6.665	0.000
125.20	125.20	38.90	5.498	6.611	4-FFf	4.500	3.282	4.500	4.710	7.872	0.000
134.90	134.90	39.21	5.882	6.924	4-FFf	4.500	3.403	4.500	4.710	8.482	0.000
144.60	144.60	39.55	6.294	7.260	4-FFf	4.500	3.524	4.500	4.710	9.092	0.000
154.30	154.30	39.91	6.736	7.619	4-FFf	4.500	3.632	4.500	4.710	9.702	0.000
164.00	164.00	40.29	7.210	8.001	4-FFf	4.500	3.717	4.500	4.710	10.312	0.000

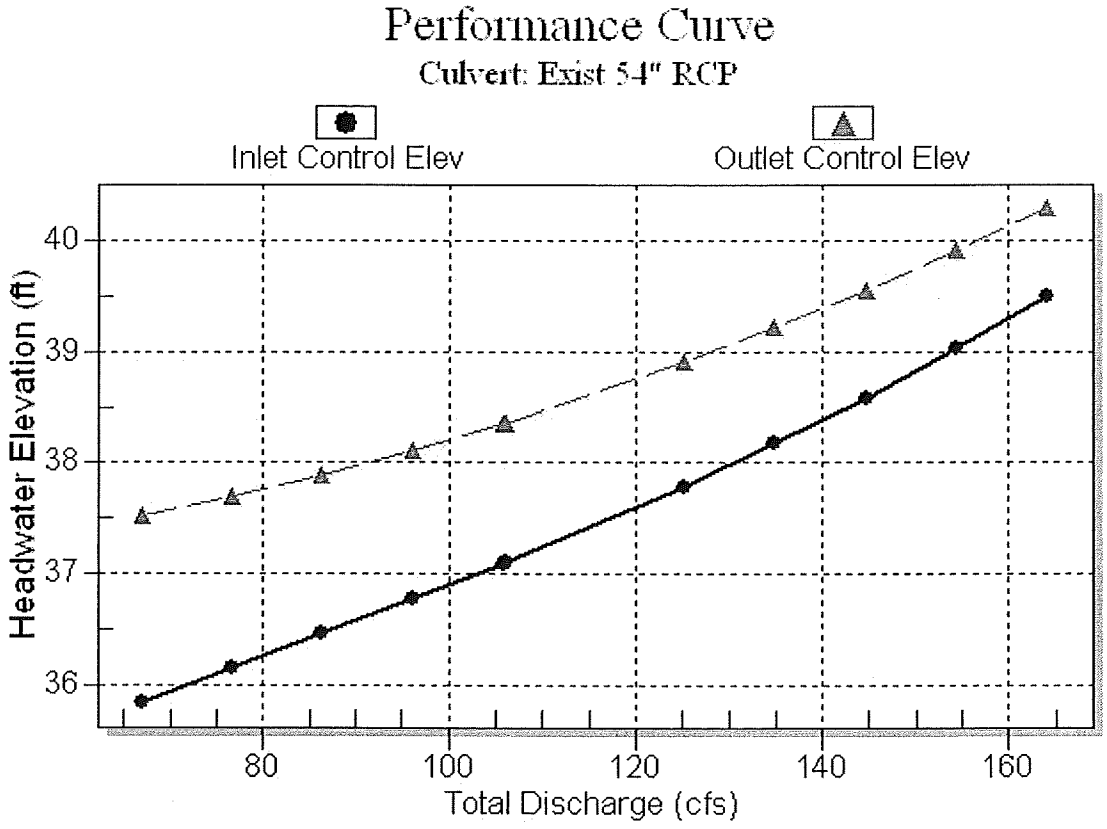
****

Inlet Elevation (invert): 32.29 ft, Outlet Elevation (invert): 32.25 ft

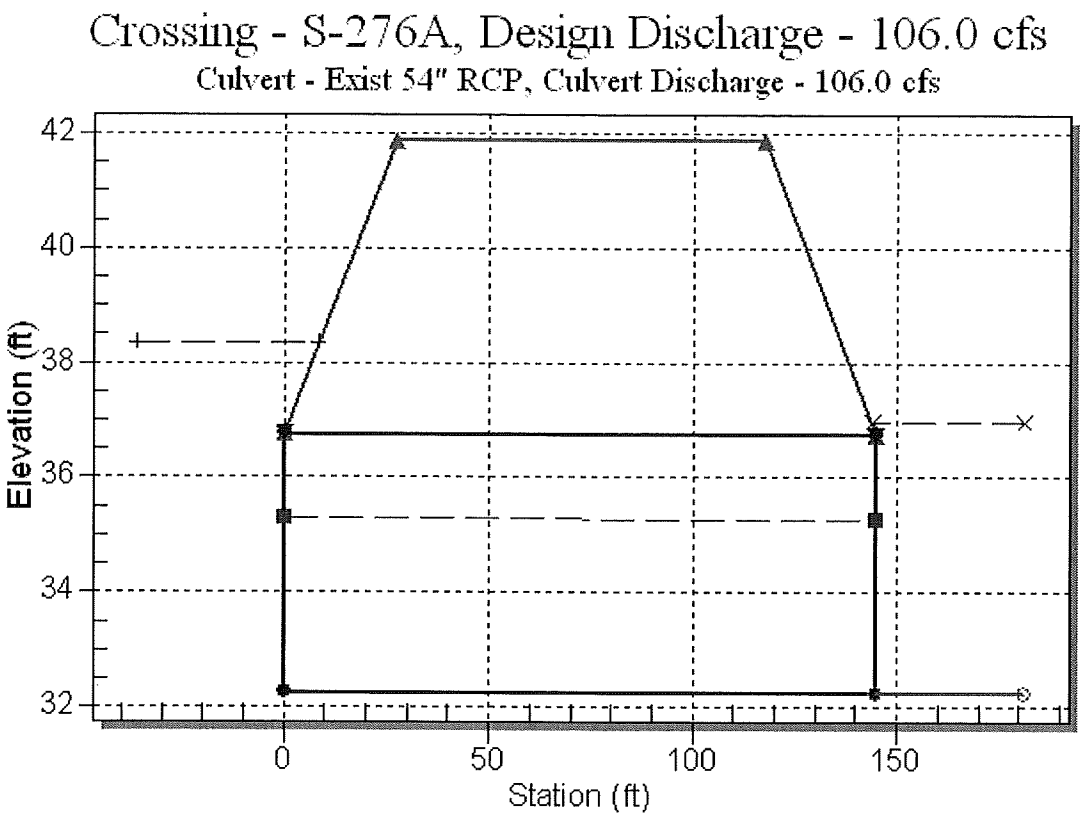
Culvert Length: 145.00 ft, Culvert Slope: 0.0003

****

Culvert Performance Curve Plot: Exist 54" RCP



Water Surface Profile Plot for Culvert: Exist 54" RCP



Site Data - Exist 54" RCP

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 32.27 ft

Outlet Station: 145.00 ft

Outlet Elevation: 32.24 ft

Number of Barrels: 1

Culvert Data Summary - Exist 54" RCP

Barrel Shape: Circular

Barrel Diameter: 4.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Inlet Type: Conventional

Inlet Edge Condition: Square Edge with Headwall

Inlet Depression: NONE

Table 3 - Downstream Channel Rating Curve (Crossing: S-276A)

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)
67.00	36.96	4.71
76.70	36.96	4.71
86.40	36.96	4.71
96.10	36.96	4.71
105.80	36.96	4.71
106.00	36.96	4.71
125.20	36.96	4.71
134.90	36.96	4.71
144.60	36.96	4.71
154.30	36.96	4.71
164.00	36.96	4.71

Tailwater Channel Data - S-276A

Tailwater Channel Option: Enter Constant Tailwater Elevation

Constant Tailwater Elevation: 36.96 ft

Roadway Data for Crossing: S-276A

Roadway Profile Shape: Constant Roadway Elevation

Crest Length: 180.00 ft

Crest Elevation: 41.86 ft

Roadway Surface: Paved

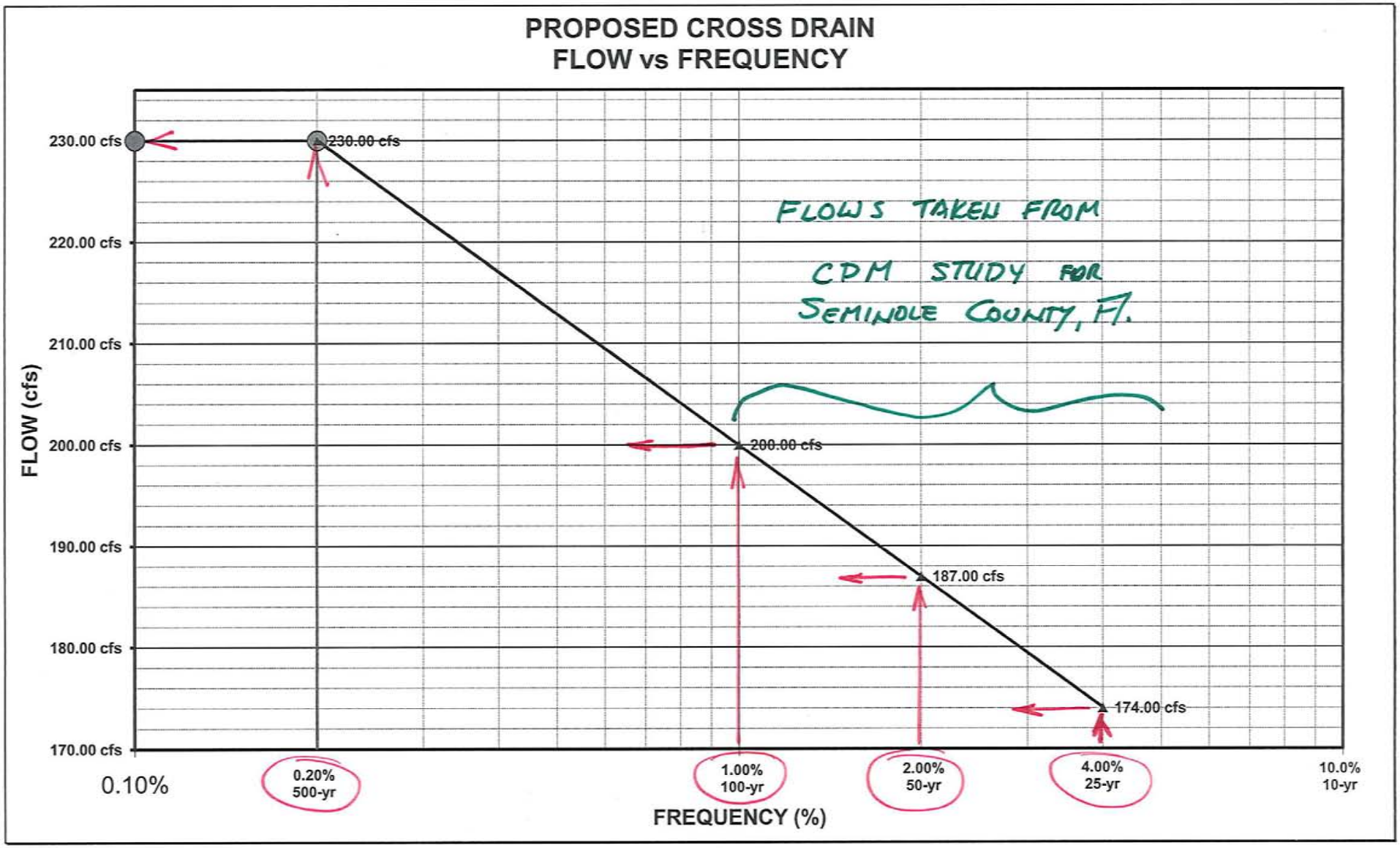
Roadway Top Width: 90.00 ft

JACOBS

Made by: HDT Ch'd by:
Date: 13-Apr-11 Time: 4:48 PM
Project Number: 240196-1-32-01

PROJECT: SR 15/600 Improvements
STATION: 828+00.00
STRUCTURE NUMBER: S-367A S-367A: 10'X4' CBC @ Sta 828+00

PROPOSED CROSS DRAIN ANALYSIS



HY-8 Culvert Analysis Report

Table 1 - Summary of Culvert Flows at Crossing: S-367A

Rating Curve Plot for Crossing: S-367A

Headwater Elevation (ft)	Total Discharge (cfs)	Ex. 10'x4' CBC Discharge (cfs)	Roadway Discharge (cfs)	Iterations
36.09	174.00	174.00	0.00	1
36.16	179.60	179.60	0.00	1
36.24	185.20	185.20	0.00	1
36.32	190.80	190.80	0.00	1
36.39	196.40	196.40	0.00	1
36.44	200.00	200.00	0.00	1
36.55	207.60	207.60	0.00	1
36.62	213.20	213.20	0.00	1
36.70	218.80	218.80	0.00	1
36.78	224.40	224.40	0.00	1
36.86	230.00	230.00	0.00	1
40.77	451.59	451.59	0.00	Overtopping

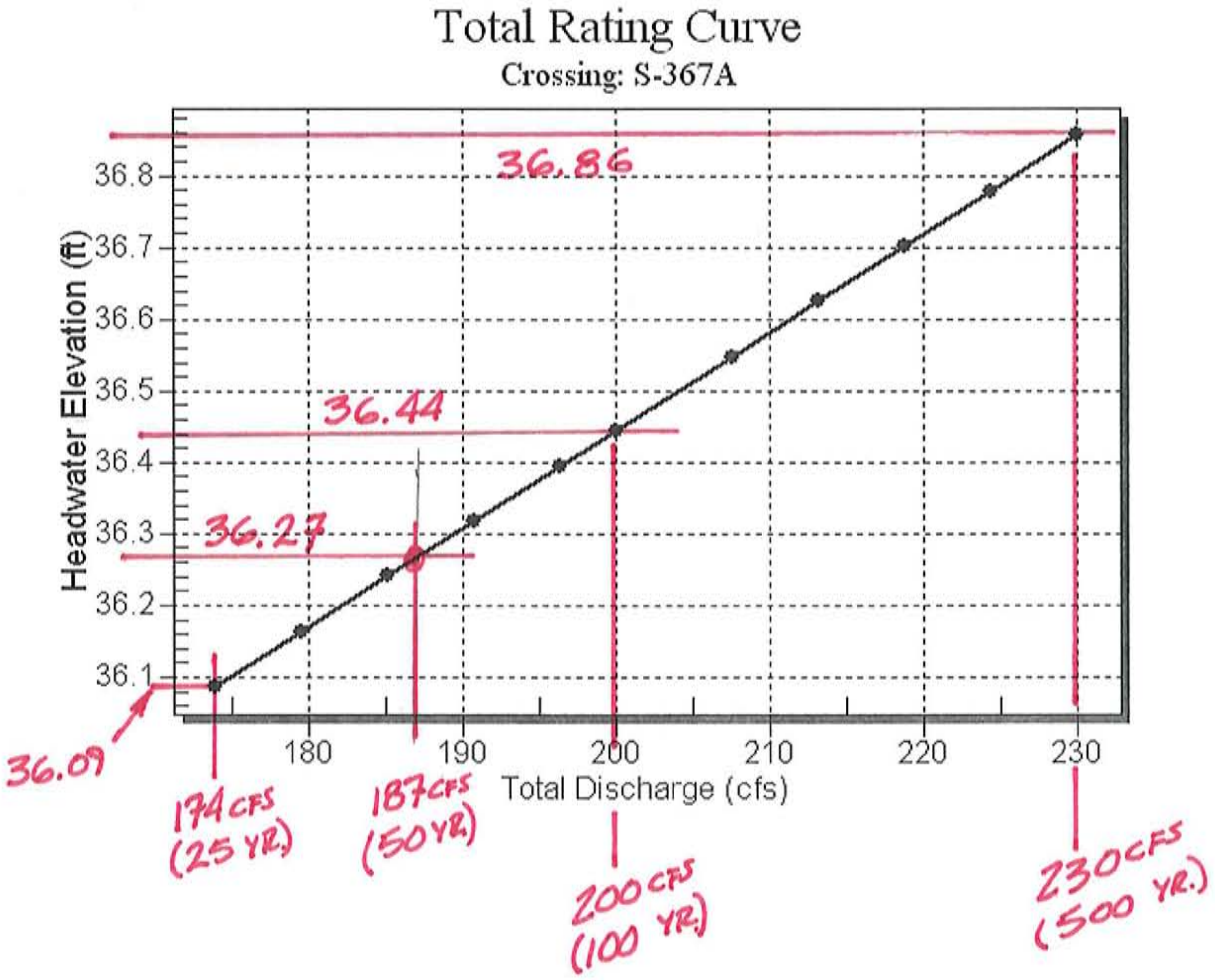


Table 2 - Culvert Summary Table: Ex. 10'x4' CBC

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)	Tailwater Velocity (ft/s)
174.00	174.00	36.09	3.567	3.002	6-FFt	2.314	2.115	2.314	2.740	7.519	0.000
179.60	179.60	36.16	3.644	3.048	6-FFt	2.366	2.160	2.366	2.750	7.589	0.000
185.20	185.20	36.24	3.721	3.090	6-FFt	2.418	2.205	2.418	2.755	7.660	0.000
190.80	190.80	36.32	3.798	3.134	6-FFt	2.467	2.249	2.467	2.760	7.735	0.000
196.40	196.40	36.39	3.874	3.178	6-FFt	2.516	2.293	2.516	2.765	7.806	0.000
200.00	200.00	36.44	3.923	3.209	6-FFt	2.548	2.321	2.548	2.770	7.850	0.000
207.60	207.60	36.55	4.028	3.276	6-FFt	2.615	2.379	2.615	2.780	7.940	0.000
213.20	213.20	36.62	4.104	3.324	6-FFt	2.664	2.422	2.664	2.785	8.004	0.000
218.80	218.80	36.70	4.181	3.373	6-FFt	2.713	2.464	2.713	2.790	8.065	0.000
224.40	224.40	36.78	4.259	3.428	6-FFt	2.762	2.506	2.762	2.800	8.124	0.000
230.00	230.00	36.86	4.336	3.485	6-FFt	2.811	2.548	2.811	2.810	8.182	0.000

Inlet Elevation (invert): 32.52 ft, Outlet Elevation (invert): 32.23 ft

Culvert Length: 146.00 ft, Culvert Slope: 0.0020

Culvert Performance Curve Plot: Ex. 10'x4' CBC

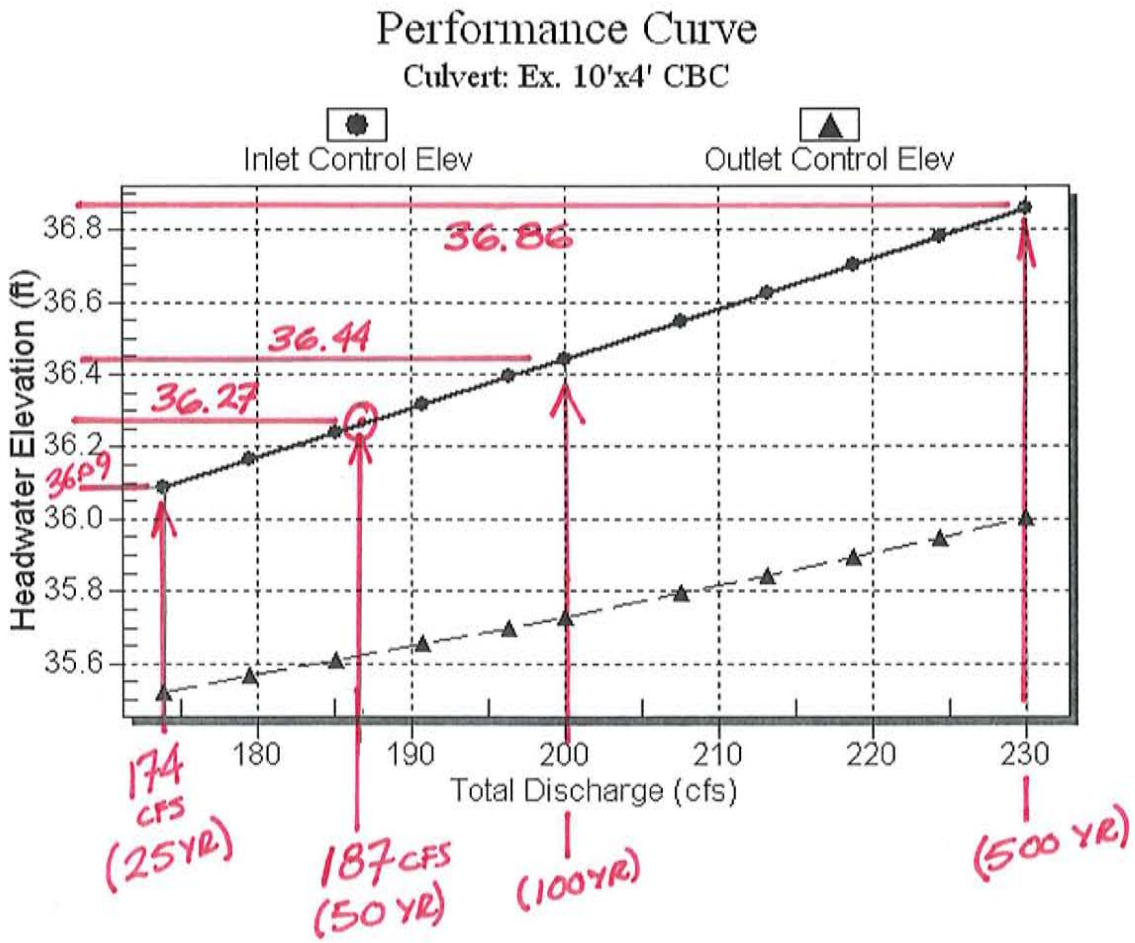


Table 3 - Downstream Channel Rating Curve (Crossing: S-367A)

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)
174.00	34.97	2.74
179.60	34.98	2.75
185.20	34.98	2.76
190.80	34.99	2.76
196.40	34.99	2.77
200.00	35.00	2.77
207.60	35.01	2.78
213.20	35.02	2.79
218.80	35.02	2.79
224.40	35.03	2.80
230.00	35.04	2.81

Tailwater Channel Data - S-367A

Tailwater Channel Option: Enter Rating Curve

Roadway Data for Crossing: S-367A

Roadway Profile Shape: Constant Roadway Elevation

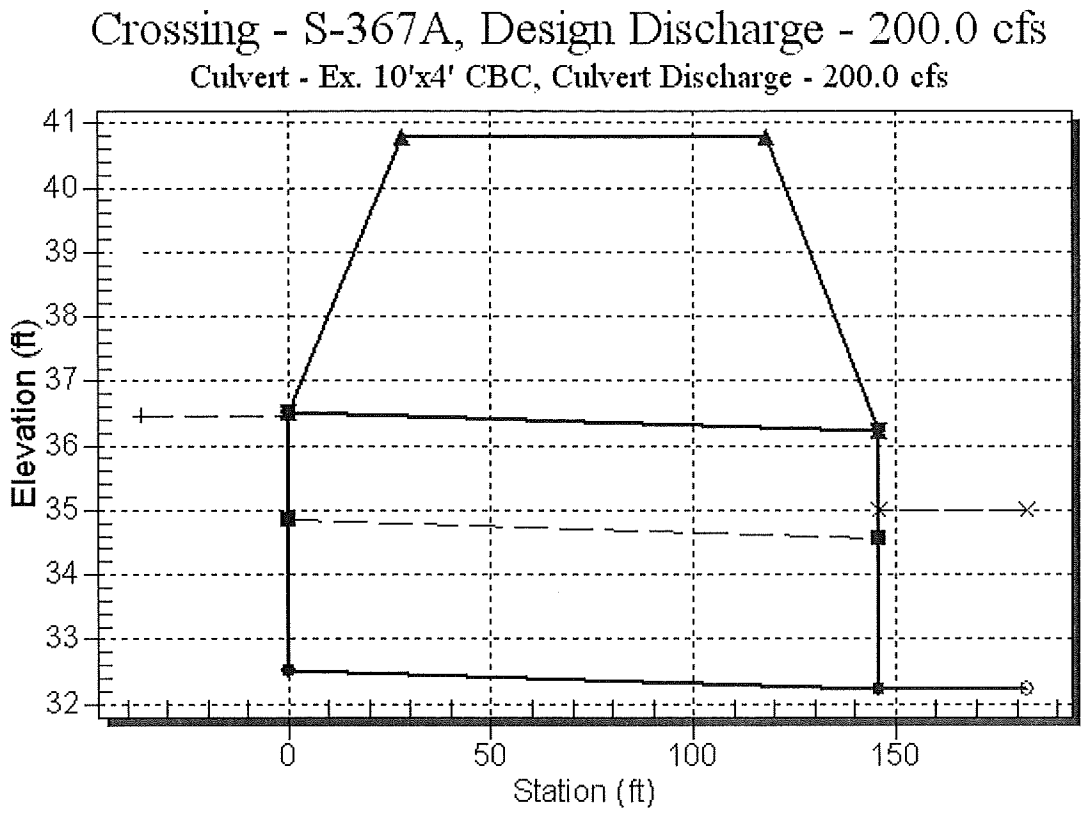
Crest Length: 40.00 ft

Crest Elevation: 40.77 ft

Roadway Surface: Paved

Roadway Top Width: 90.00 ft

Water Surface Profile Plot for Culvert: Ex. 10'x4' CBC



Site Data - Ex. 10'x4' CBC

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 32.52 ft

Outlet Station: 146.00 ft

Outlet Elevation: 32.23 ft

Number of Barrels: 1

Culvert Data Summary - Ex. 10'x4' CBC

Barrel Shape: Concrete Box

Barrel Span: 10.00 ft

Barrel Rise: 4.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Inlet Type: Conventional

Inlet Edge Condition: Square Edge (90°) Headwall

Inlet Depression: NONE

JACOBS

Made by: HDT hecked by: _____

Date: April 25 2011 Time: 5:38 PM

INPUT TABLE

PROJECT: **SR 15/600 Improvements** Project Number: 240196-1-32-01

GH-CD: 5'x8' CBC @ STA. 3+97.00 General Hutchinson Parkway

Cross Drain Number:	GH-CD	BASIN:	Lake Jesup
Station:	3+97.00	SUB-BASIN:	Soldier'S Creek
		FLOW DIRECTION:	North East
Upstream Invert:	14.50 ft	Downstream Invert:	14.25 ft
Existing Length:	30.00 ft	Proposed Length:	32.00 ft

FLOW DETERMINATION

OPTION 1: $Q_{25\text{-yr}} = A_{\text{CROSS DRAIN}}$ x V where V = 6.00 FPS PER CROSS DRAIN MANUAL.

Cross Drain Manual pg. 129

$Q_{100\text{-yr}} = 1.4\text{x } Q_{25\text{-yr}}$

$Q_{500\text{-yr}} = 1.7 \text{ x } Q_{100\text{-yr}}$

NUMBER OF BARREL(S):	1	TYPE :	2
CROSS DRAIN MATERIAL:	CBC	CIRCULAR (1), BOX (2), ELLIPTICAL(3)	
SPAN(B):	8.00 ft	96.00 in	
DIAMETER or HEIGHT (D):	5.00 ft	60.00 in	
$A_{\text{CROSS DRAIN}}$ =	40.00 sq.ft.		

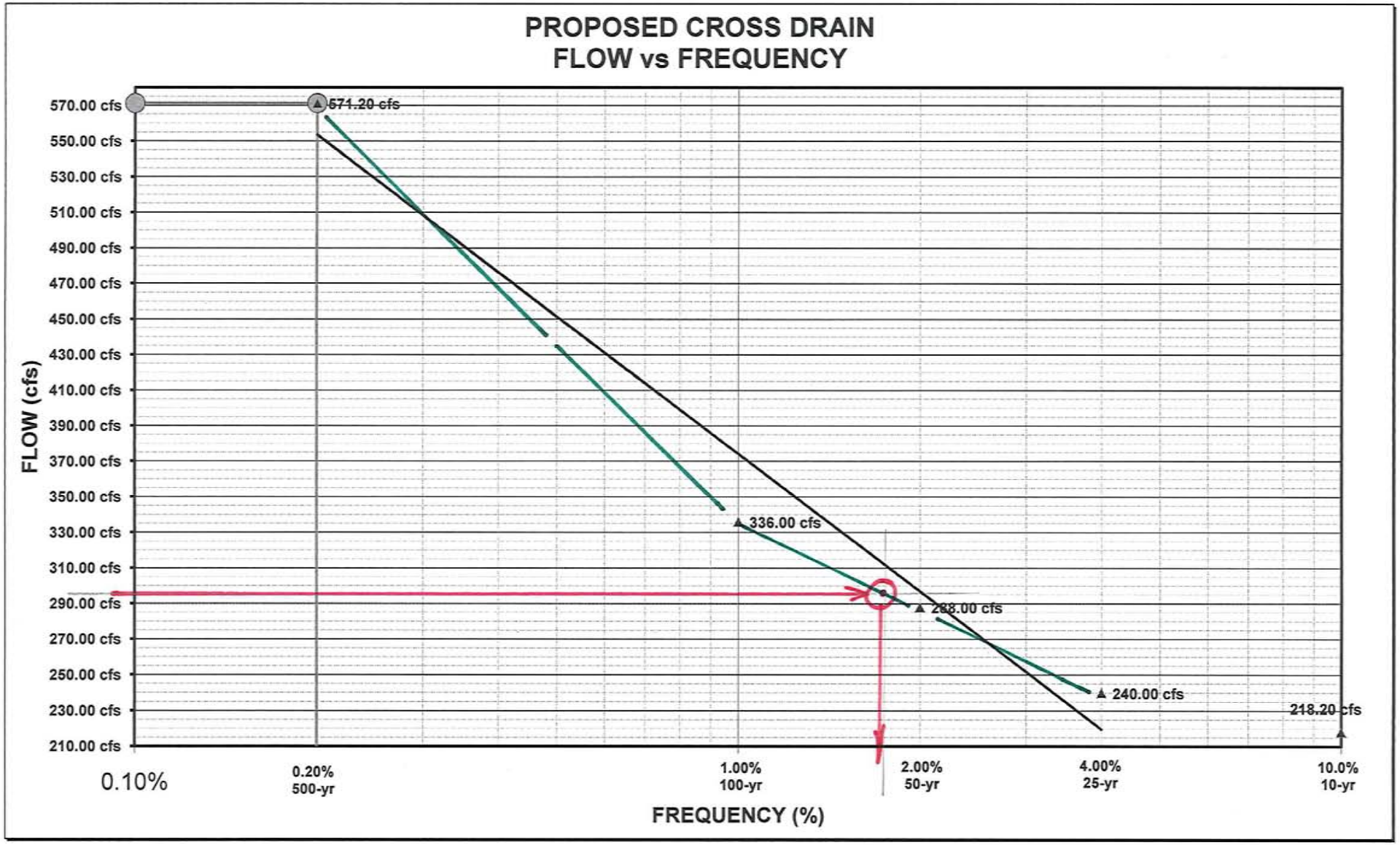
Storm:	10-Yr.	25-Yr.	50-Yr.	100-Yr.	500-Yr.
Normally:	1.00	1.10	1.20	1.40	1.70
FLOW	218.182 cfs	**240.000 cfs**	288.000 cfs	336.000 cfs	571.200 cfs
(cfs)	218.20 cfs	240.00 cfs	288.00 cfs	336.00 cfs	571.20 cfs

JACOBS

Made by: HDT Ch'd by:
Date: 25-Apr-11 Time: 4:46 PM
Project Number: 240196-1-32-01

PROJECT: SR 15/600 Improvements
STATION: 3+97.00
STRUCTURE NUMBER: GH-CD GH-CD: 5'x8' CBC @ STA. 3+97.00 General Hutchinson Parkway

PROPOSED CROSS DRAIN ANALYSIS



JACOBS

Made by: HDT Checked by:
Date: 25-Apr-11 Time: 4:46 PM
Project Number: 240196-1-32-01

PROJECT: **SR 15/600 Improvements**

DOWNSTREAM DITCH DESIGN & CAPACITY CALCULATIONS

from STATION: 3+97.00 to STATION: 4+02.00

SIDE-SLOPE(LEFT) =	4.0	: 1 abbreviated 'SSleft'.
SIDE-SLOPE(RIGHT) =	4.0	: 1 abbreviated 'SSright'.
DITCH/SWALE BOTTOM WIDTH =	12.00	ft., abbreviated 'b'.
LONGITUDINAL SWALE SLOPE =	0.00100	ft/ft, abbreviated 'S'.
MANNING'S n =	0.04	**Excavated - Light Brush**

Manning's 'n' Table	
0.016	Smooth Concrete Asphalt Pavt.
0.04	Excavated - Light Brush

Design Storm	Design Runoff (cfs)	d (ft.)	Area (s.f.)	Pw (ft.)	Velocity (fps)	Flow Q(cfs)
10-Yr.	**218.200**	**3.812**	103.87	43.43	2.10	218.21
25-Yr.	**240.000**	**3.987**	111.42	44.88	2.15	240.00
50-Yr.	**288.000**	**4.341**	127.47	47.80	2.26	288.00
100-Yr.	**336.000**	**4.662**	142.87	50.44	2.35	336.00
500-Yr.	**571.200**	**5.930**	211.81	60.90	2.70	571.20

AREA = (d^2)/2 * (SSleft + SSright) + (d * b)
Pw = d * ((1 + (SSleft)^2)^0.5 + (1 + (SSright)^2)^0.5) + b
Rh = AREA / Pw = Hydraulic Radius
V = (1.486 / n) * Rh^(2/3) * S^0.5
Q = V * A

Existing Downstream Ditch Invert Elevation :	**14.00 ft.**

Design Storm	Existing Flow Rate (cfs)	d normal (ft)	E XISTING Downstream Tailwater Elevation (ft)
10-Yr.	218.20	3.812	17.81
25-Yr.	240.00	3.987	17.99
50-Yr.	288.00	4.341	18.34
100-Yr.	336.00	4.662	18.66
500-Yr.	571.20	5.930	19.93

HY-8 Culvert Analysis Report

Table 1 - Summary of Culvert Flows at Crossing: Crossing 4

Headwater Elevation (ft)	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
19.64	240.00	240.00	0.00	1
20.16	273.12	273.12	0.00	1
20.55	306.24	297.59	7.73	21
20.63	336.00	302.26	33.11	8
20.69	372.48	306.28	65.34	6
20.74	405.60	309.28	95.40	5
20.79	438.72	311.93	126.25	5
20.84	471.84	307.59	163.81	5
20.89	504.96	293.77	210.81	5
20.94	538.08	278.79	258.08	4
20.97	571.20	273.15	297.29	4
20.50	294.52	294.52	0.00	Overtopping

50-YR

100-YR

56-YR

Rating Curve Plot for Crossing: Crossing 4

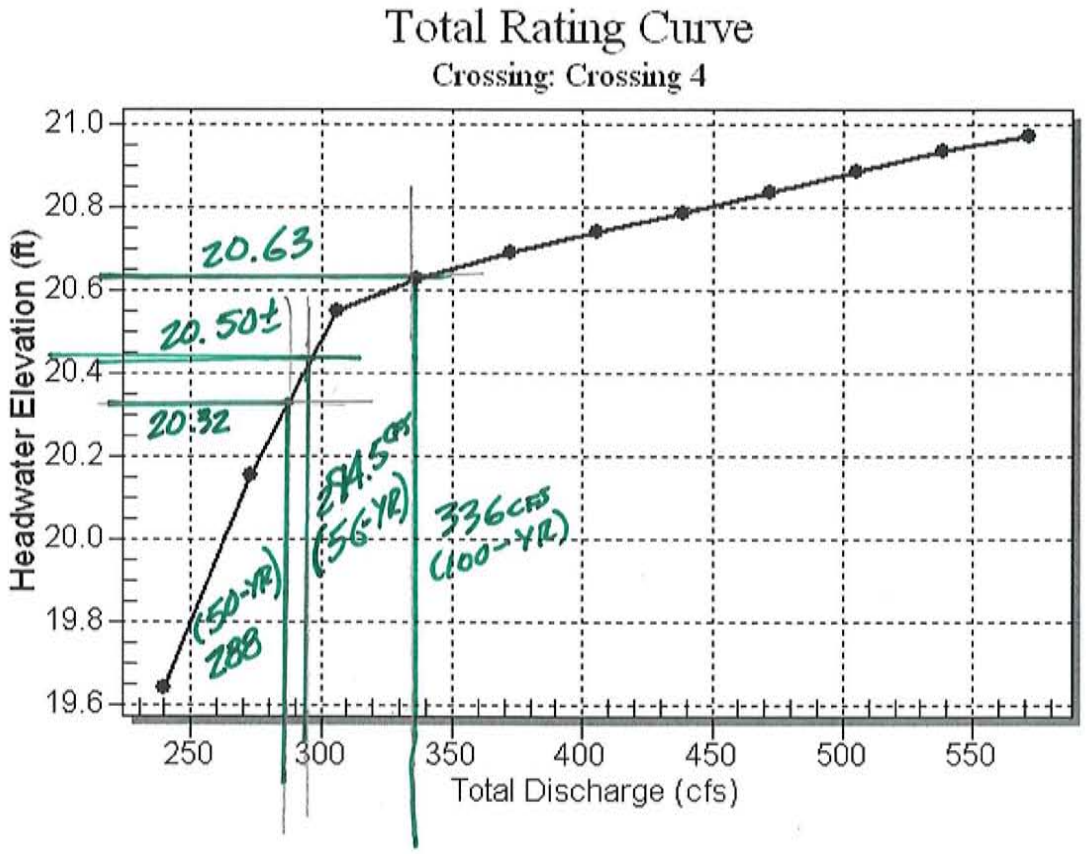


Table 2 - Culvert Summary Table: Culvert 1

Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)	Tailwater Velocity (ft/s)
240.00	240.00	19.64	5.141	4.371	6-FFt	2.172	3.041	2.172	3.740	13.813	0.000
273.12	273.12	20.16	5.657	4.870	6-FFt	2.380	3.315	2.380	3.980	14.347	0.000
306.24	297.59	20.55	6.050	5.414	6-FFt	2.531	3.510	2.531	4.310	14.697	0.000
336.00	302.26	20.63	6.127	5.557	6-FFt	2.559	3.547	2.559	4.410	14.767	0.000
372.48	306.28	20.69	6.193	5.794	6-FFt	2.582	3.578	2.582	4.610	14.825	0.000
405.60	309.28	20.74	6.243	6.002	6-FFt	2.600	3.601	2.600	4.790	14.869	0.000
438.72	311.93	20.79	6.288	6.197	6-FFt	2.616	3.622	2.616	4.960	14.906	0.000
471.84	307.59	20.84	6.215	6.336	4-FFf	2.590	3.588	5.000	5.140	7.690	0.000
504.96	293.77	20.89	5.988	6.389	4-FFf	2.509	3.480	5.000	5.320	7.344	0.000
538.08	278.79	20.94	5.747	6.438	4-FFf	2.415	3.361	5.000	5.500	6.970	0.000
571.20	273.15	20.97	5.657	6.571	4-FFf	2.380	3.315	5.000	5.680	6.829	0.000

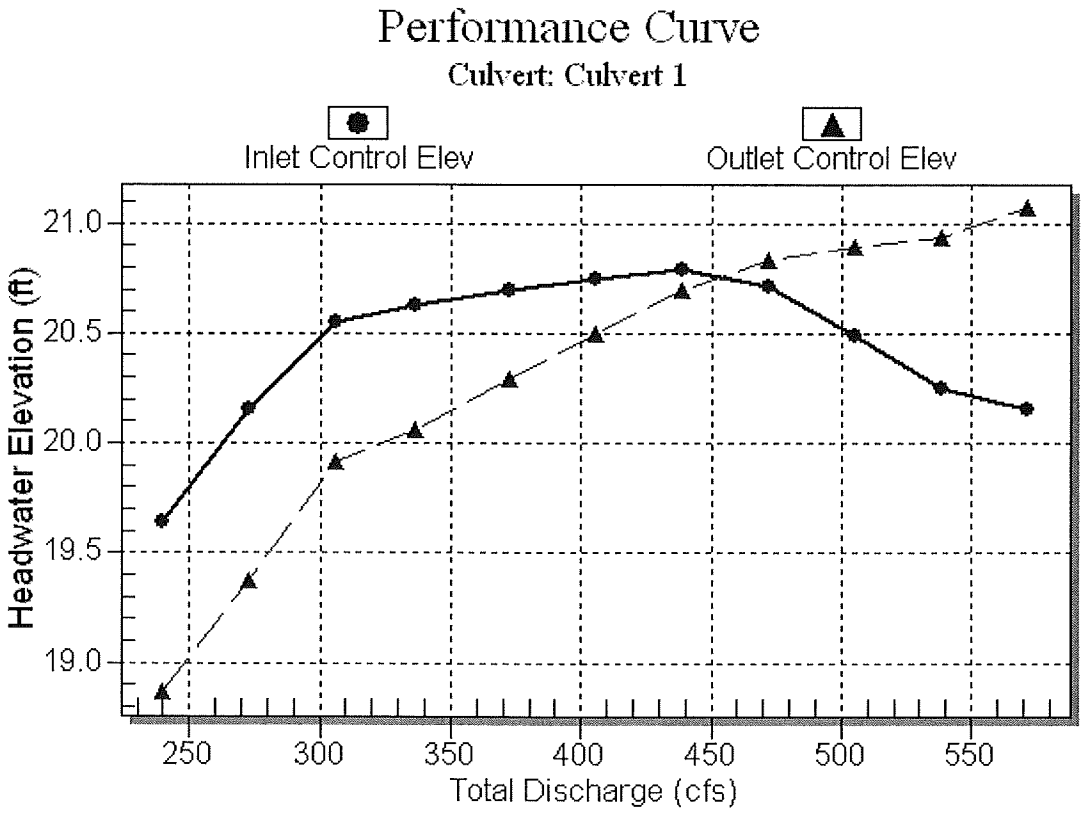
****

Inlet Elevation (invert): 14.50 ft, Outlet Elevation (invert): 14.25 ft

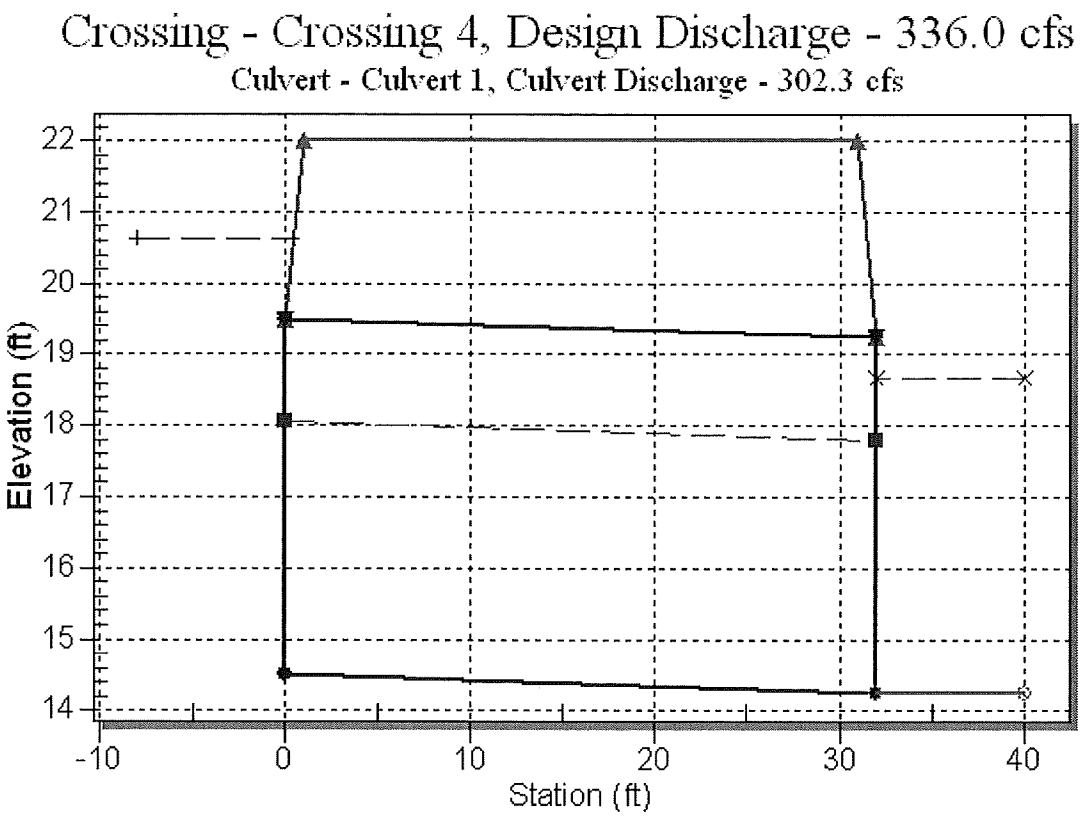
Culvert Length: 32.00 ft, Culvert Slope: 0.0078

****

Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 14.50 ft

Outlet Station: 32.00 ft

Outlet Elevation: 14.25 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Concrete Box

Barrel Span: 8.00 ft

Barrel Rise: 5.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Inlet Type: Conventional

Inlet Edge Condition: Square Edge (90°) Headwall

Inlet Depression: NONE

Table 3 - Downstream Channel Rating Curve (Crossing: Crossing 4)

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)
240.00	17.99	3.74
273.12	18.23	3.98
306.24	18.56	4.31
336.00	18.66	4.41
372.48	18.86	4.61
405.60	19.04	4.79
438.72	19.21	4.96
471.84	19.39	5.14
504.96	19.57	5.32
538.08	19.75	5.50
571.20	19.93	5.68

Tailwater Channel Data - Crossing 4

Tailwater Channel Option: Enter Rating Curve

Roadway Data for Crossing: Crossing 4

Roadway Profile Shape: Irregular Roadway Shape (coordinates)

Irregular Roadway Cross-Section:

Coord No.	Station (ft)	Elevation (ft)
0	1000.00	22.00
1	1363.00	21.00
2	1533.00	20.50
3	1763.00	20.50
4	1813.00	21.00
5	1913.00	22.80

Roadway Surface: Paved

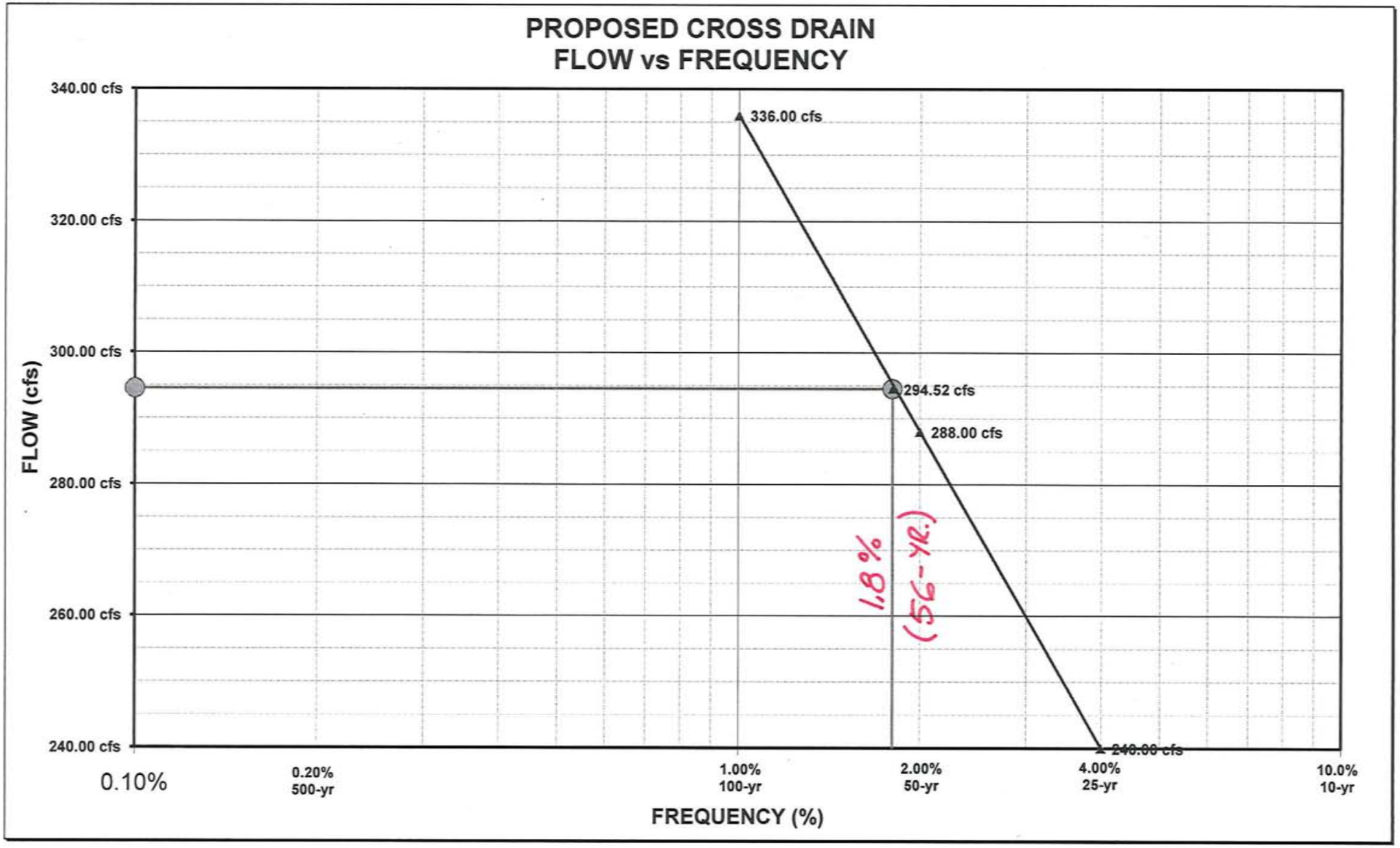
Roadway Top Width: 30.00 ft

JACOBS

Made by: HDT Ch'd by:
Date: 25-Apr-11 Time: 5:34 PM
Project Number: 240196-1-32-01

PROJECT: SR 15/600 Improvements
STATION: 3+97.00
STRUCTURE NUMBER: GH-CD GH-CD: 5'x8' CBC @ STA. 3+97.00 General Hutchinson Parkway

PROPOSED CROSS DRAIN ANALYSIS



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Appendix G

Ditch Calculations

- **STORMWSEWER TABULATION FOR DITCHES AND OFFSITE RUNOFF**
  - **OFA-right SST for 10 & 25-YR EVENTS**
  - **OFB-right SST for 10 & 25-YR EVENTS**

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFA-right
State Road: SR. 15

Sheet: _____ of HDT
Prepared by: Larry Singh
Checked by: MBS

Date: 01-27-2011
Date: 01-27-2011

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
						INCREMENTAL												CROWN				RISE (BACK_SLOPE)				ZONE: Zone 7
						CUMULATIVE												FLOWLINE ELEVATION					HYD. GRAD.			FREQUENCY (yrs): 10 Year
ALIGNMENT NAME																							PHYSICAL			MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER			COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		SPAN (DITCH_BOT.)	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)		TAILWATER EL. (ft): 25.57
CLCSR15			S-215	MES	96.53	0.200	0.243	0.049	10.00	0.58	7.41	0.049	0.000	0.36	0.00	42.67	0.18	42.49	42.49	0.00	1	18	0.001%	0.22	4.89	Side Drain
732+28.30	86.00	Rt.	S-213	S 18 RCP 4 S-o		0.200	0.243	0.049										42.67	42.49	0.18			0.18%	2.77		
																		41.17	40.99	0.18			0.15%			
CLCSR15			S-213	MES	167.65	0.000	0.000	0.000	10.58	3.17	7.27	0.049	0.000	0.35	0.00	42.57	0.67	41.90	41.90	0.00	1	1:3	0.000%	0.12	8.92	Ditch
731+31.77	86.00	Rt.	S-208	S 18 RCP 4 S-o		0.200	0.243	0.049										42.49	42.20	0.29		1:2	0.17%	0.88		
																		40.99	40.70	0.29		3.00	3.75%			
CLCSR15			S-208	MES	50.00	0.200	0.095	0.019	13.75	0.56	6.62	0.068	0.000	0.45	0.00	42.49	0.59	41.90	41.90	0.00	1	18	0.002%	0.25	8.79	Side Drain
729+80.00	86.00	Rt.	S-207	S 18 RCP 4 S-o		0.200	0.338	0.068										42.20	41.90	0.30			0.59%	4.97		
																		40.70	40.40	0.30			0.15%			
CLCSR15			S-207	MES	341.39	0.000	0.000	0.000	14.31	2.58	6.52	0.068	0.000	0.44	0.00	42.00	4.35	37.65	37.65	0.00	1	1:3	0.925%	0.07	22.29	Ditch
729+30.00	86.00	Rt.	S-200	S 18 RCP 4 S-o		0.200	0.338	0.068										41.90	38.18	3.72		1:2	1.09%	2.20		
																		40.40	36.68	3.72		3.00	3.75%			
CLCSR15			S-200	MES	273.20	0.200	0.301	0.060	16.90	1.58	6.11	0.128	0.000	0.78	0.00	39.10	1.45	37.65	37.63	0.01	1	18	0.010%	0.44	5.10	Pipe
725+96.55	86.00	Rt.	S-191	S 18 RCP 4 S-o		0.200	0.639	0.128										38.18	37.63	0.55			0.20%	2.89		
																		36.68	36.13	0.55			0.15%			
CLCSR15			S-191	Type C DBI	155.24	0.200	0.161	0.032	18.48	0.92	5.90	1.006	5.489	11.42	0.10	40.00	2.96	37.04	36.60	0.34	1	24	0.247%	3.64	8.82	Pipe
723+17.84	88.00	Rt.	S-185			0.500	2.012	1.006										36.70	36.50	0.20			0.13%	2.81		
																		34.70	34.50	0.20			0.15%			
CLCSR15			S-185	Type C DBI	93.46	0.200	0.073	0.015	19.40	0.43	5.78	1.020	0.000	11.38	0.10	39.90	3.30	36.60	36.30	0.20	1	24	0.313%	3.62	11.37	Pipe
721+59.52	88.00	Rt.	S-184			0.489	2.085	1.020										36.50	36.30	0.20			0.21%	3.62		
																		34.50	34.30	0.20			0.15%			
CLCSR15			S-184	Type C DBI	109.91	0.200	0.215	0.043	19.83	0.35	5.73	1.070	0.000	11.62	0.11	38.85	3.52	35.33	34.97	0.25	1	24	0.443%	3.70	16.57	Pipe
720+62.98	88.00	Rt.	S-182			0.465	2.300	1.070										35.30	34.80	0.50			0.45%	5.28		
																		33.30	32.80	0.50			0.15%			
CLCSR15			S-182	Type C DBI	74.50	0.200	0.082	0.016	20.17	0.43	5.68	1.085	0.000	11.65	0.11	37.50	2.53	34.97	34.70	0.17	1	24	0.860%	3.71	9.00	Pipe
719+50.00	86.00	Rt.	S-180			0.456	2.382	1.085										34.80	34.70	0.10			0.13%	2.87		
																		32.80	32.70	0.10			0.15%			
CLCSR15			S-180	MES	192.94	0.000	0.000	0.000	20.61	3.66	5.63	1.085	0.000	11.60	0.00	36.05	1.87	34.19	34.14	0.04	1	1:3	1.082%	0.62	12.51	Ditch
718+70.00	85.00	Rt.	S-176	S 24 RCP 4 S-o		0.456	2.382	1.085										34.20	33.84	0.36		1:3	0.19%	0.88		
																		32.70	32.34	0.36		5.00	3.75%			
CLCSR15			S-176	MES	37.06	0.200	0.323	0.065	24.27	0.08	5.24	1.149	0.000	11.51	0.10	34.80	0.65	34.14	33.96	0.08	1	24	0.253%	3.66	24.92	Side Drain
716+85.00	85.00	Rt.	S-175	S 24 RCP 4 S-o		0.425	2.705	1.149										34.34	33.96	0.38			1.03%	7.93		
																		32.34	31.96	0.38			0.15%			
CLCSR15			S-175	MES	289.94	0.000	0.000	0.000	24.35	3.88	5.24	1.149	0.000	11.51	0.00	34.64	1.90	32.74	32.09	0.65	1	1:3	0.662%	0.46	27.43	Ditch
716+40.00	85.00	Rt.	S-171	S 24 RCP 4 S-o		0.425	2.705	1.149										33.96	31.93	2.03		1:3	0.70%	1.25		
																		31.96	29.93	2.03		5.00	3.75%			
CLCSR15			S-171	MES	67.00	0.200	0.226	0.045	28.22	0.41	4.89	1.194	0.000	11.33	0.10	32.40	0.31	32.09	31.85	0.14	1	24	0.259%	3.61	8.50	Side Drain
713+58.00	85.00	Rt.	S-170	S 24 RCP 4 S-o		0.407	2.930	1.194										31.93	31.85	0.08			0.12%	2.70		
																		29.93	29.85	0.08			0.15%			
CLCSR15			S-170	MES	232.94	0.000	0.000	0.000	28.64	2.15	4.86	1.194	0.000	11.29	0.00	32.78	2.15	30.63	30.15	0.48	1	1:3	0.759%	4.56	36.08	Ditch
713+10.00	85.00	Rt.	S-166	S 24 RCP 4 S-o		0.407	2.930	1.194										31.85	29.99	1.86		1:2	0.80%	1.80		
																		29.85	27.99	1.86		5.00	3.75%			

STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFA-right
State Road: SR. 15

Sheet: _____ of _____
Prepared by: Larry Singh
Checked by: MBS

Date: 01-27-2011
Date: 01-27-2011

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
						INCREMENTAL												CROWN				RISE (BACK_SLOPE)	HYD. GRAD.			ZONE: Zone 7
ALIGNMENT NAME						CUMULATIVE												FLOWLINE ELEVATION					PHYSICAL			FREQUENCY (yrs): 10 Year
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER			COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		SPAN (DITCH_BOT.)	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)		MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
																										TAILWATER EL. (ft): 25.57
CLCSR15			S-166	MES	67.00	0.200	0.235	0.047	30.79	0.43	4.69	1.241	0.000	11.31	0.10	30.35	0.19	30.15	29.91	0.14	1	24	0.257%	3.60	8.17	Side Drain
710+85.00	85.00	Rt.	S-165	S 24 RCP 4 S-o		0.392	3.166	1.241										29.99	29.91	0.07			0.11%	2.60		
																		27.99	27.91	0.07			0.15%			
CLCSR15			S-165	MES	227.94	0.000	0.000	0.000	31.22	2.39	4.66	1.241	0.000	11.27	0.00	30.61	1.88	28.73	28.30	0.43	1	1:3	0.411%	3.25	34.96	Ditch
710+40.00	85.00	Rt.	S-161	S 24 RCP 4 S-o		0,392	3.166	1.241										29.91	27.32	2.59		1:3	1.14%	1.59		
																		27.91	25.32	2.59		5.00	3.75%			
CLCSR15			S-161	MES	67.06	0.200	0.226	0.045	33.61	0.19	4.49	1.286	22.413	33.67	0.37	28.63	0.33	28.30	27.55	0.38	1	30	0.402%	6.86	28.18	Side Drain
708+20.00	85.00	Rt.	S-160	S 30 RCP 4 S-o		0.379	3.392	1.286										27.82	27.55	0.27			0.40%	5.74		
																		25.32	25.05	0.27			0.08%			
CLCSR15			S-160	MES	232.94	0.000	0.000	0.000	33.80	6.43	4.48	1.286	0.000	33.66	0.00	28.32	2.01	26.31	26.06	0.25	1	1:3	0.685%	0.93	20.09	Ditch
707+45.00	85.00	Rt.	S-156	S 30 RCP 4 S-o		0.379	3.392	1.286										27.65	25.92	1.73		1:3	0.74%	0.60		
																		25.05	23.32	1.73		5.00	1.90%			
CLCSR15			S-156	MES	62.06	0.200	0.185	0.037	40.23	0.18	4.09	1.322	0.000	33.31	0.14	26.79	0.73	26.06	25.57	0.35	1	30	0.493%	6.79	28.18	Side Drain
705+20.00	85.00	Rt.	S-154	S 30 RCP 4 S-o		0.370	3.577	1.322										25.82	25.57	0.25			0.40%	5.74		
																		23.32	23.07	0.25			0.08%			

Remarks: Computations done using Geopak Drainage

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFA-right
State Road: SR. 15

Sheet: _____ of _____
Prepared by: Larry Singh HDT
Checked by: MBS

Date: 01-27-2011
Date: 01-27-2011

LOCATION OF UPPER END ALIGNMENT NAME STATION	OFFSET DISTANCE (ft.)	SIDE	STRUCTURE NO. UPPER LOWER	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.) INCREMENTAL CUMULATIVE COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)	TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT CROWN FLOWLINE ELEVATION UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)	NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE) RISE (BACK_SLOPE) SPAN (DITCH_BOT.)	SLOPE (%) HYD. GRAD. PHYSICAL MIN. PHYSICAL	ACTUAL VELOCITY (fps) PHYSICAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
																										ZONE: Zone 7
																										FREQUENCY (yrs): 25 Year
																										MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
																										TAILWATER EL. (ft): 25.57
CLCSR15			S-215	MES		0.200	0.243	0.049										42.49	42.49	0.00			0.001%	0.24		
732+28.30	86.00	Rt.	S-213	S 18 RCP 4 S-o	96.53	0.200	0.243	0.049	10.00	0.58	8.26	0.049	0.000	0.40	0.00	42.67	0.18	42.67	42.49	0.18	1	18	0.18%	2.77	4.89	Side Drain
																		41.17	40.99	0.18			0.15%			
CLCSR15			S-213	MES		0.000	0.000	0.000										41.91	41.90	0.00		1:3	0.000%	0.13		
731+31.77	86.00	Rt.	S-208	S 18 RCP 4 S-o	167.65	0.200	0.243	0.049	10.58	3.17	8.11	0.049	0.000	0.39	0.00	42.57	0.66	42.49	42.20	0.29	1	1:2	0.17%	0.88	8.92	Ditch
																		40.99	40.70	0.29		3.00	3.75%			
CLCSR15			S-208	MES		0.200	0.095	0.019										41.90	41.90	0.00			0.002%	0.28		
729+80.00	86.00	Rt.	S-207	S 18 RCP 4 S-o	50.00	0.200	0.338	0.068	13.75	0.56	7.43	0.068	0.000	0.50	0.00	42.49	0.59	42.20	41.90	0.30	1	18	0.59%	4.97	8.79	Side Drain
																		40.70	40.40	0.30			0.15%			
CLCSR15			S-207	MES		0.000	0.000	0.000										37.65	37.65	0.00		1:3	0.925%	0.08		
729+30.00	86.00	Rt.	S-200	S 18 RCP 4 S-o	341.39	0.200	0.338	0.068	14.31	2.58	7.33	0.068	0.000	0.50	0.00	42.00	4.35	41.90	38.18	3.72	1	1:2	1.09%	2.20	22.29	Ditch
																		40.40	36.68	3.72		3.00	3.75%			
CLCSR15			S-200	MES		0.200	0.301	0.060										37.65	37.63	0.02			0.010%	0.50		
725+96.55	86.00	Rt.	S-191	S 18 RCP 4 S-o	273.20	0.200	0.639	0.128	16.90	1.58	6.89	0.128	0.000	0.88	0.00	39.10	1.45	38.18	37.63	0.55	1	18	0.20%	2.89	5.10	Pipe
																		36.68	36.13	0.55			0.15%			
CLCSR15			S-191			0.200	0.161	0.032										37.14	36.64	0.38			0.247%	3.88		
723+17.84	88.00	Rt.	S-185	Type C DBI	155.24	0.500	2.012	1.006	18.48	0.92	6.66	1.006	5.489	12.19	0.12	40.00	2.86	36.70	36.50	0.20	1	24	0.13%	2.81	8.82	Pipe
																		34.70	34.50	0.20			0.15%			
CLCSR15			S-185			0.200	0.073	0.015										36.64	36.30	0.23			0.313%	3.87		
721+59.52	88.00	Rt.	S-184	Type C DBI	93.46	0.489	2.085	1.020	19.40	0.43	6.53	1.020	0.000	12.15	0.12	39.90	3.26	36.50	36.30	0.20	1	24	0.21%	3.62	11.37	Pipe
																		34.50	34.30	0.20			0.15%			
CLCSR15			S-184			0.200	0.215	0.043										35.42	35.01	0.28			0.443%	3.95		
720+62.98	88.00	Rt.	S-182	Type C DBI	109.91	0.465	2.300	1.070	19.83	0.35	6.47	1.070	0.000	12.41	0.12	38.85	3.43	35.30	34.80	0.50	1	24	0.45%	5.28	16.57	Pipe
																		33.30	32.80	0.50			0.15%			
CLCSR15			S-182			0.200	0.082	0.016										35.01	34.70	0.19			0.860%	3.97		
719+50.00	86.00	Rt.	S-180	Type C DBI	74.50	0.456	2.382	1.085	20.17	0.43	6.43	1.085	0.000	12.47	0.12	37.50	2.49	34.80	34.70	0.10	1	24	0.13%	2.87	9.00	Pipe
																		32.80	32.70	0.10			0.15%			
CLCSR15			S-180	MES		0.000	0.000	0.000										34.22	34.17	0.04		1:3	1.082%	0.64		
718+70.00	85.00	Rt.	S-176	S 24 RCP 4 S-o	192.94	0.456	2.382	1.085	20.61	3.66	6.37	1.085	0.000	12.40	0.00	36.05	1.84	34.20	33.84	0.36	1	1:3	0.19%	0.88	12.51	Ditch
																		32.70	32.34	0.36		5.00	3.75%			
CLCSR15			S-176	MES		0.200	0.323	0.065										34.17	33.96	0.09			0.253%	3.92		
716+85.00	85.00	Rt.	S-175	S 24 RCP 4 S-o	37.06	0.425	2.705	1.149	24.27	0.08	5.95	1.149	0.000	12.33	0.12	34.80	0.63	34.34	33.96	0.38	1	24	1.03%	7.93	24.92	Side Drain
																		32.34	31.96	0.38			0.15%			
CLCSR15			S-175	MES		0.000	0.000	0.000										32.78	32.13	0.65		1:3	0.662%	0.48		
716+40.00	85.00	Rt.	S-171	S 24 RCP 4 S-o	289.94	0.425	2.705	1.149	24.35	3.88	5.94	1.149	0.000	12.32	0.00	34.64	1.86	33.96	31.93	2.03	1	1:3	0.70%	1.25	27.43	Ditch
																		31.96	29.93	2.03		5.00	3.75%			
CLCSR15			S-171	MES		0.200	0.226	0.045										32.13	31.85	0.16			0.259%	3.86		
713+58.00	85.00	Rt.	S-170	S 24 RCP 4 S-o	67.00	0.407	2.930	1.194	28.22	0.41	5.56	1.194	0.000	12.13	0.12	32.40	0.27	31.93	31.85	0.08	1	24	0.12%	2.70	8.50	Side Drain
																		29.93	29.85	0.08			0.15%			
CLCSR15			S-170	MES		0.000	0.000	0.000										30.67	30.19	0.48		1:3	0.759%	4.57		
713+10.00	85.00	Rt.	S-166	S 24 RCP 4 S-o	232.94	0.407	2.930	1.194	28.64	2.15	5.52	1.194	0.000	12.08	0.00	32.78	2.12	31.85	29.99	1.86	1	1:2	0.80%	1.80	36.08	Ditch
																		29.85	27.99	1.86		5.00	3.75%			

STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFA-right
State Road: SR. 15

Sheet: _____ of HOT
Prepared by: Larry Singh
Checked by: MBS

Date: 01-27-2011
Date: 01-27-2011

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
						INCREMENTAL												CROWN				RISE (BACK_SLOPE)	HYD. GRAD.			ZONE: Zone 7
ALIGNMENT NAME						CUMULATIVE												FLOWLINE ELEVATION					PHYSICAL			FREQUENCY (yrs): 25 Year
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER			COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		SPAN (DITCH_BOT.)	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)		MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
CLCSR15			S-166	MES		0.200	0.235	0.047										30.19	29.91	0.16			0.257%	3.86		TAILWATER EL. (ft): 25.57
710+85.00	85.00	Rt.	S-165	S 24 RCP 4 S-o	67.00	0.392	3.166	1.241	30.79	0.43	5.34	1.241	0.000	12.11	0.12	30.35	0.16	29.99	29.91	0.07	1	24	0.11%	2.60	8.17	Side Drain
																		27.99	27.91	0.07			0.15%			
CLCSR15			S-165	MES		0.000	0.000	0.000										28.77	28.33	0.44		1:3	0.411%	3.27		
710+40.00	85.00	Rt.	S-161	S 24 RCP 4 S-o	227.94	0.392	3.166	1.241	31.22	2.39	5.30	1.241	0.000	12.06	0.00	30.61	1.84	29.91	27.32	2.59	1	1:3	1.14%	1.59	34.96	Ditch
																		27.91	25.32	2.59		5.00	3.75%			
CLCSR15			S-161	MES		0.200	0.226	0.045										28.33	27.55	0.40			0.402%	7.03		
708+20.00	85.00	Rt.	S-160	S 30 RCP 4 S-o	67.06	0.379	3.392	1.286	33.61	0.19	5.12	1.286	22.413	34.48	0.38	28.63	0.29	27.82	27.55	0.27	1	30	0.40%	5.74	28.18	Side Drain
																		25.32	25.05	0.27			0.08%			
CLCSR15			S-160	MES		0.000	0.000	0.000										26.36	26.08	0.28		1:3	0.685%	0.94		
707+45.00	85.00	Rt.	S-156	S 30 RCP 4 S-o	232.94	0.379	3.392	1.286	33.80	6.43	5.10	1.286	0.000	34.46	0.00	28.32	1.96	27.65	25.92	1.73	1	1:3	0.74%	0.60	20.09	Ditch
																		25.05	23.32	1.73		5.00	1.90%			
CLCSR15			S-156	MES		0.200	0.185	0.037										26.08	25.57	0.36			0.493%	6.94		
705+20.00	85.00	Rt.	S-154	S 30 RCP 4 S-o	62.06	0.370	3.577	1.322	40.23	0.18	4.67	1.322	0.000	34.08	0.15	26.79	0.71	25.82	25.57	0.25	1	30	0.40%	5.74	28.18	Side Drain
																		23.32	23.07	0.25			0.08%			

Remarks: Computations done using Geopak Drainage

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFB-RIGHT
State Road: SR. 15

Sheet: _____ of _____
Prepared by: Herman Tirado
Checked by: MBS

Date: 01-18-2011
Date: 01-18-2011

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
						INCREMENTAL												CROWN				RISE (BACK_SLOPE)				ZONE: Zone 7
						CUMULATIVE												FLOWLINE ELEVATION					HYD. GRAD.			FREQUENCY (yrs): 10 Year
ALIGNMENT NAME																							PHYSICAL			MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER			COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		SPAN (DITCH_BOT.)	MIN. PHYSICAL	PHYSICAL VELOCITY (fps)		TAILWATER EL. (ft): 42.22
CLCSR15			S-227	MES		0.200	0.150	0.030										43.53	43.16	0.02			0.030%	2.18		
739+19.80	80.00	Rt.	S-229	S 18 RCP 4 S-o	65.28	0.200	0.150	0.030	10.00	0.50	7.41	0.030	0.000	0.22	0.00	44.79	1.26	44.72	44.30	0.42	1	18	0.64%	5.16	9.11	Side Drain
																		43.22	42.80	0.42			0.15%			
CLCSR15			S-229	MES		0.000	0.000	0.000										43.16	43.16	0.00		1:3	0.000%	0.17		
739+85.08	80.00	Rt.	S-233	S 18 RCP 4 S-o	314.54	0.200	0.150	0.030	10.50	0.21	7.29	0.030	0.000	0.22	0.00	44.30	1.14	44.30	43.96	0.34	1	1:3	0.11%	0.67	9.51	Ditch
																		42.80	42.46	0.34		5.00	3.75%			
CLCSR15			S-233	MES		0.200	0.617	0.123										43.16	43.14	0.01			0.011%	1.38		
742+83.74	80.00	Rt.	S-237	S 18 RCP 4 S-o	109.73	0.200	0.767	0.153	10.71	0.21	7.24	0.153	0.000	1.11	0.00	43.96	0.80	43.96	43.26	0.70	1	18	0.64%	5.16	9.11	Side Drain
																		42.46	41.76	0.70			0.15%			
CLCSR15			S-237	MES		0.000	0.000	0.000										43.14	43.14	0.00		1:3	0.000%	0.16		
743+93.47	80.00	Rt.	S-245	S 18 RCP 4 S-o	384.85	0.200	0.767	0.153	10.92	0.21	7.19	0.153	0.000	1.10	0.00	43.26	0.12	43.76	43.24	0.52	1	1:3	0.13%	0.55	12.04	Ditch
																		41.76	41.24	0.52		5.00	3.75%			
CLCSR15			S-245	MES		0.200	0.398	0.080										43.14	43.14	0.01			0.007%	0.54		
747+62.44	80.00	Rt.	S-246	S 24 RCP 4 S-o	76.02	0.200	1.165	0.233	11.13	0.21	7.14	0.233	0.000	1.66	0.00	45.04	1.90	43.24	43.14	0.10	1	24	0.13%	2.87	9.00	Side Drain
																		41.24	41.14	0.10			0.10%			
CLCSR15			S-246	MES		0.000	0.000	0.000										42.55	42.55	0.00		1:2	0.000%	0.34		
748+38.46	80.00	Rt.	S-248	S 24 RCP 4 S-o	154.00	0.200	1.165	0.233	11.34	0.21	7.10	0.233	0.000	1.66	0.00	45.03	2.48	43.64	42.99	0.65	1	1:2	0.42%	0.84	21.00	Ditch
																		41.14	40.49	0.65		5.00	2.55%			
CLCSR15			S-248B	MH Type 7		0.900	1.020	0.918										42.59	42.36	0.23			2.607%	4.83		
749+84.38	73.32	Rt.	S-248A	J Btm 2 Cvr	8.83	0.527	2.185	1.151	10.00	0.21	7.41	1.151	0.000	8.53	0.18	44.97	2.38	41.99	41.98	0.01	1	18	0.11%	2.17	3.84	Existing MH to be Adjusted
																		40.49	40.48	0.01			0.15%			
CLCSR15			S-248	MES S 24 RCP		0.200	0.398	0.080										42.55	42.48	0.07			0.649%	2.76		
749+76.57	80.00	Rt.	S-248A	4 S-o	11.30	0.476	2.583	1.231	11.55	0.21	7.05	1.231	0.000	8.68	0.06	42.49	-0.06	42.49	42.48	0.01	1	24	0.09%	2.33	7.31	Side Drain
																		40.49	40.48	0.01			0.10%			
CLCSR15			S-248A	MH Type 7		0.200	0.219	0.044										42.36	42.22	0.14			0.238%	2.91		
749+86.00	80.00	Rt.	S-249	J Btm 2 Cvr	59.21	0.455	2.802	1.274	11.77	0.34	7.01	1.274	0.000	8.93	0.06	43.50	1.14	42.48	42.22	0.26	1	24	0.44%	5.18	16.28	Side Drain
																		40.48	40.22	0.26			0.10%			

Remarks: Computations done using Geopak Drainage

FLORIDA DEPARTMENT OF TRANSPORTATION
STORM SEWER TABULATION FORM

Financial Project ID: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs Carter Burgess

Network: OFB-RIGHT
State Road: SR. 15

Sheet: _____ of _____
Prepared by: Herman Tirado
Checked by: MBS

Date: 01-18-2011
Date: 01-18-2011

LOCATION OF UPPER END			STRUCTURE NO.	TYPE OF STRUCTURE	LENGTH (ft)	DRAINAGE AREA (ac. or ha.)			TIME OF CONCENTRATION (min)	TIME OF FLOW IN SECTION (min)	INTENSITY (in/hr)	TOTAL (C*A)	BASE FLOW (cfs)	TOTAL FLOW (cfs)	MINOR LOSSES (ft)	INLET ELEVATION (ft)	HGL CLEARANCE (ft)	HYDRAULIC GRADIENT			NUMBER OF BARRELS	PIPE SIZE (in) (FRONT_SLOPE)	SLOPE (%)	ACTUAL VELOCITY (fps)	FULL FLOW CAPACITY (cfs)	NOTES AND REMARKS
						INCREMENTAL												CROWN				RISE (BACK_SLOPE)				ZONE: Zone 7
ALIGNMENT NAME						CUMULATIVE												FLOWLINE ELEVATION					HYD. GRAD.			FREQUENCY (yrs): 25 Year
STATION	OFFSET DISTANCE (ft.)	SIDE	UPPER LOWER			COMPOSITE C VALUE	AREA	SUB-TOTAL (C*A)										UPPER END ELEVATION (ft)	LOWER END ELEVATION (ft)	FALL (ft)		SPAN (DITCH_BOT.)	PHYSICAL	PHYSICAL VELOCITY (fps)		MANNINGS n: 0.012 (Pipe)/0.060 (Ditch)
																							MIN. PHYSICAL			TAILWATER EL. (ft): 42.22
CLCSR15			S-227	MES		0.200	0.150	0.030										43.54	43.16	0.02			0.036%	2.18		
739+19.80	80.00	Rt.	S-229	S 18 RCP 4 S-o	65.28	0.200	0.150	0.030	10.00	0.50	8.26	0.030	0.000	0.25	0.00	44.79	1.25	44.72	44.30	0.42	1	18	0.64%	5.16	9.11	Side Drain
																		43.22	42.80	0.42			0.15%			
CLCSR15			S-229	MES		0.000	0.000	0.000										43.16	43.16	0.00		1:3	0.000%	0.19		
739+85.08	80.00	Rt.	S-233	S 18 RCP 4 S-o	314.54	0.200	0.150	0.030	10.50	0.21	8.13	0.030	0.000	0.24	0.00	44.30	1.14	44.30	43.96	0.34	1	1:3	0.11%	0.67	9.51	Ditch
																		42.80	42.46	0.34		5.00	3.75%			
CLCSR15			S-233	MES		0.200	0.617	0.123										43.16	43.15	0.02			0.014%	1.53		
742+83.74	80.00	Rt.	S-237	S 18 RCP 4 S-o	109.73	0.200	0.767	0.153	10.71	0.21	8.08	0.153	0.000	1.24	0.00	43.96	0.80	43.96	43.26	0.70	1	18	0.64%	5.16	9.11	Side Drain
																		42.46	41.76	0.70			0.15%			
CLCSR15			S-237	MES		0.000	0.000	0.000										43.15	43.15	0.00		1:3	0.000%	0.17		
743+93.47	80.00	Rt.	S-245	S 18 RCP 4 S-o	384.85	0.200	0.767	0.153	10.92	0.21	8.03	0.153	0.000	1.23	0.00	43.26	0.11	43.76	43.24	0.52	1	1:3	0.13%	0.55	12.04	Ditch
																		41.76	41.24	0.52		5.00	3.75%			
CLCSR15			S-245	MES		0.200	0.398	0.080										43.15	43.14	0.01			0.009%	0.60		
747+62.44	80.00	Rt.	S-246	S 24 RCP 4 S-o	76.02	0.200	1.165	0.233	11.13	0.21	7.98	0.233	0.000	1.86	0.00	45.04	1.89	43.24	43.14	0.10	1	24	0.13%	2.87	9.00	Side Drain
																		41.24	41.14	0.10			0.10%			
CLCSR15			S-246	MES		0.000	0.000	0.000										42.57	42.57	0.00		1:2	0.000%	0.38		
748+38.46	80.00	Rt.	S-248	S 24 RCP 4 S-o	154.00	0.200	1.165	0.233	11.34	0.21	7.93	0.233	0.000	1.86	0.00	45.03	2.46	43.64	42.99	0.65	1	1:2	0.42%	0.84	21.00	Ditch
																		41.14	40.49	0.65		5.00	2.55%			
CLCSR15			S-248B	MH Type 7		0.900	1.020	0.918										42.68	42.40	0.29			3.239%	5.38		
749+84.38	73.32	Rt.	S-248A	J Btm 2 Cvr	8.83	0.527	2.185	1.151	10.00	0.21	8.26	1.151	0.000	9.51	0.22	44.97	2.29	41.99	41.98	0.01	1	18	0.11%	2.17	3.84	Existing MH to be Adjusted
																		40.49	40.48	0.01			0.15%			
CLCSR15			S-248	MES S 24 RCP		0.200	0.398	0.080										42.57	42.48	0.09			0.812%	3.09		
749+76.57	80.00	Rt.	S-248A	4 S-o	11.30	0.476	2.583	1.231	11.55	0.21	7.89	1.231	0.000	9.71	0.07	42.49	-0.08	42.49	42.48	0.01	1	24	0.09%	2.33	7.31	Side Drain
																		40.49	40.48	0.01			0.10%			
CLCSR15			S-248A	MH Type 7		0.200	0.219	0.044										42.40	42.22	0.18			0.298%	3.23		
749+86.00	80.00	Rt.	S-249	J Btm 2 Cvr	59.21	0.455	2.802	1.274	11.77	0.31	7.84	1.274	0.000	9.99	0.08	43.50	1.10	42.48	42.22	0.26	1	24	0.44%	5.18	16.28	Side Drain
																		40.48	40.22	0.26			0.10%			

Remarks: Computations done using Geopak Drainage

Culvert Calculator Report
Worksheet-1

Side Drain
S-101 & S-102

Solve For: Headwater Elevation

Culvert Summary					
Allowable HW Elevation	2.00	ft	Headwater Depth/Height	0.89	
Computed Headwater Elev	59.30	ft	Discharge	4.75	cfs
Inlet Control HW Elev.	59.22	ft	Tailwater Elevation	1.50	ft
Outlet Control HW Elev.	59.30	ft	Control Type	Outlet Control	

Grades					
Upstream Invert	57.97	ft	Downstream Invert	57.83	ft
Length	66.00	ft	Constructed Slope	0.003500	ft/ft

Hydraulic Profile					
Profile	M2		Depth, Downstream	0.84	ft
Slope Type	Mild		Normal Depth	0.98	ft
Flow Regime	Subcritical		Critical Depth	0.84	ft
Velocity Downstream	4.68	ft/s	Critical Slope	0.005679	ft/ft

Section					
Section Shape	Circular		Mannings Coefficient	0.013	
Section Material	Concrete		Span	1.50	ft
Section Size	18 inch		Rise	1.50	ft
Number Sections	1				

Outlet Control Properties					
Outlet Control HW Elev.	59.30	ft	Upstream Velocity Head	0.24	ft
Ke	0.50		Entrance Loss	0.12	ft

Inlet Control Properties					
Inlet Control HW Elev.	59.22	ft	Flow Control	Unsubmerged	
Inlet Type	Square edge w/headwall		Area Full	1.8	ft2
K	0.00980		HDS 5 Chart	1	
M	2.00000		HDS 5 Scale	1	
C	0.03980		Equation Form	1	
Y	0.67000				

$Q = \left(\frac{280' * 110'}{43560}\right)(0.90)(7.41\ in/hr)$

$Q = 4.75\ cfs$

$T_c = 10$ min

Intensity $= 7.41\ in/hr$

area = Rdwy & ditch

$\therefore$ use $0.90 = C$

Culvert Calculator Report
Worksheet-1

Side Drain
S-280A E/B

Solve For: Headwater Elevation

Culvert Summary					
Allowable HW Elevation	2.00	ft	Headwater Depth/Height	0.58	
Computed Headwater Elev	49.52	ft	Discharge	2.20	cfs
Inlet Control HW Elev.	49.41	ft	Tailwater Elevation	1.50	ft
Outlet Control HW Elev.	49.52	ft	Control Type	Entrance Control	

Grades					
Upstream Invert	48.65	ft	Downstream Invert	47.26	ft
Length	42.00	ft	Constructed Slope	0.033095	ft/ft

Hydraulic Profile					
Profile	S2		Depth, Downstream	0.34	ft
Slope Type	Steep		Normal Depth	0.34	ft
Flow Regime	Supercritical		Critical Depth	0.56	ft
Velocity Downstream	7.20	ft/s	Critical Slope	0.004972	ft/ft

Section					
Section Shape	Circular		Mannings Coefficient	0.013	
Section Material	Concrete		Span	1.50	ft
Section Size	18 inch		Rise	1.50	ft
Number Sections	1				

Outlet Control Properties					
Outlet Control HW Elev.	49.52	ft	Upstream Velocity Head	0.21	ft
Ke	0.50		Entrance Loss	0.10	ft

Inlet Control Properties					
Inlet Control HW Elev.	49.41	ft	Flow Control	Unsubmerged	
Inlet Type	Square edge w/headwall		Area Full	1.8	ft2
K	0.00980		HDS 5 Chart	1	
M	2.00000		HDS 5 Scale	1	
C	0.03980		Equation Form	1	
Y	0.67000				

$I_{10yr} = 7.41$ in/hr
$T_c = 10$ min.

Area adjacent to the Rdwy. all pervious + Drwy's area ∴ $C = 0.240$

$$Q = \left(\frac{800' * 40'}{43560}\right)(0.240)(7.41)$$

$Q \approx 2.2$ cfs

Side Main
S-284C & B

Culvert Calculator Report
Worksheet-1

Solve For: Headwater Elevation

Culvert Summary			
Allowable HW Elevation	2.00 ft	Headwater Depth/Height	0.38
Computed Headwater Elev	52.75 ft	Discharge	1.00 cfs
Inlet Control HW Elev.	52.67 ft	Tailwater Elevation	1.50 ft
Outlet Control HW Elev.	52.75 ft	Control Type	Entrance Control

Grades			
Upstream Invert	52.18 ft	Downstream Invert	51.43 ft
Length	40.00 ft	Constructed Slope	0.018750 ft/ft

Hydraulic Profile			
Profile	S2	Depth, Downstream	0.27 ft
Slope Type	Steep	Normal Depth	0.27 ft
Flow Regime	Supercritical	Critical Depth	0.37 ft
Velocity Downstream	4.68 ft/s	Critical Slope	0.004937 ft/ft

Section			
Section Shape	Circular	Mannings Coefficient	0.013
Section Material	Concrete	Span	1.50 ft
Section Size	18 inch	Rise	1.50 ft
Number Sections	1		

Outlet Control Properties			
Outlet Control HW Elev.	52.75 ft	Upstream Velocity Head	0.13 ft
Ke	0.50	Entrance Loss	0.07 ft

Inlet Control Properties			
Inlet Control HW Elev.	52.67 ft	Flow Control	Unsubmerged
Inlet Type	Square edge w/headwall	Area Full	1.8 ft2
K	0.00980	HDS 5 Chart	1
M	2.00000	HDS 5 Scale	1
C	0.03980	Equation Form	1
Y	0.67000		

area all pervious

$\therefore C = 2.0$

$T_c = 10$ min.

$I_{10} = 7.41$ in/hr

$$Q = \left(\frac{600' * 40'}{43560}\right)(0.20)(7.41)$$

$Q \simeq 1$ cfs

Culvert Calculator Report
Side Drain at 851+00 rt

S-402 & S-403

Solve For: Headwater Elevation

Culvert Summary					
Allowable HW Elevation	2.00	ft	Headwater Depth/Height	0.91	
Computed Headwater Elev	45.62	ft	Discharge	10.00	cfs
Inlet Control HW Elev.	45.49	ft	Tailwater Elevation	2.00	ft
Outlet Control HW Elev.	45.62	ft	Control Type	Outlet Control	

Grades					
Upstream Invert	43.80	ft	Downstream Invert	43.74	ft
Length	40.00	ft	Constructed Slope	0.001500	ft/ft

Hydraulic Profile					
Profile	M2		Depth, Downstream	1.13	ft
Slope Type	Mild		Normal Depth	N/A	ft
Flow Regime	Subcritical		Critical Depth	1.13	ft
Velocity Downstream	5.46	ft/s	Critical Slope	0.005202	ft/ft

Section					
Section Shape	Circular		Mannings Coefficient	0.013	
Section Material	Concrete		Span	2.00	ft
Section Size	24 inch		Rise	2.00	ft
Number Sections	1				

Outlet Control Properties					
Outlet Control HW Elev.	45.62	ft	Upstream Velocity Head	0.29	ft
Ke	0.50		Entrance Loss	0.14	ft

Inlet Control Properties					
Inlet Control HW Elev.	45.49	ft	Flow Control	Unsubmerged	
Inlet Type	Square edge w/headwall		Area Full	3.1	ft2
K	0.00980		HDS 5 Chart	1	
M	2.00000		HDS 5 Scale	1	
C	0.03980		Equation Form	1	
Y	0.67000				

Q = 10 cfs from maximum flow from upstream system.
(24" pipe w/ slope of 0.0067 ft/ft ≈ 9.5 cfs ∴ use 10 cfs)

H

Appendix H

Storm Sewer Hydraulics and Spread Calculations

Units
=====
Drainage Area = Acres
Length = Feet
Dimension = Feet
Depth = Feet
Discharge = Cubic Feet per Second
Velocity = Feet per Second
Intensity = Inches per Hour

Project Components
==========
Drainage Library File (DLB):
N:\MSXM\Workspace\standards\FDOT2008\geopak\databases\fdot2008.dlb
GPK Job Number: 15
Drainage Cell Library: N:\MSXM\WorkSpace\Standards\FDOT2008\RESOURCES\cell\drplan.cel
Criteria Directory: N:\MSXM\WorkSpace\Standards\FDOT2008\GEOPAK\criteria\
DDB: N:\MSXM\WorkSpace\Standards\FDOT2008\GEOPAK\databases\fdot2008.ddb
Water and Sewer Project:
Superelevation Shapes File:
Original Ground TIN File: P:\CADD\24019613201archive\survey\gdtmrd01.tin
Design Surface TIN File: P:\CADD\24019613201archive\survey\GDTMRD10.tin

Rainfall Parameters
==========
Rational Method Rainfall Source: Zone 7
SCS Method Rainfall Source: None Available
Antecedent Moisture Condition I
Hydrograph Time Interval: 0.000

Land Use Options
==========
Rational Method Single Land Use Item: Land Use

SCS Method Single Land Use Item: Land Use

Frequency Options
==========
Data Type: Equation
i = f(a,b,c,d,ln(Tc))
Computation Frequency: 3.00 Year
Runoff Coefficient Peak Factor: 1.000
SCS Cumulative Hydrograph
Computation Frequency: 0.00 Depth
Runoff Coefficient Peak Factor: 1.000

Intensity Option
==========
Minimum Time of Concentration: 10.000
Accumulate Pipe Flow Time by: Iterative Velocity
Compute Intensity from Library Rainfall Data Source
Weight Time of Concentration: OFF
Inlet Computation Only
Absolute Intensity: 4.000

Junction Losses
==========
Junction Loss Computations: ON
Loss Velocity: Actual
Pressure Expansion: 0.300 (K)
Free Surface Expansion: 1.000 (K)
Pressure Contraction: 0.500 (K)
Free Surface Contraction: 0.300 (K)
Bend Loss: Method 1
Terminal Inlet/Junction: 1.000 (K)
Simple Junction: Method 1
Complex Junction: Method 1

Inlet Options
==========
Inlet By Pass Options: By Pass as Total Discharge
Link By Pass Flow Options: Allow Inlet By Pass in Link Discharges
Default Spread n Value: 0.015
Extend Superelevation Shapes to Inlet at Shape Slope: OFF

Node Options
==========
Default Node ID Prefix: S-
Scale Node Cells: OFF
Minimum Freeboard: 0.125

Link Options
==========
Default Link ID Prefix: Link-
Link Profile Options
Design Optimization: Minimize Depth of Cover
Elevation Option: at Actual Link End
Link Design Options
Design Partial Capacity (d/D) Ratio: 5.000
Link Slope Decimal: 1
Link Criteria File: pipe.x
Hydraulic GradeLine Options
Hydraulic Gradeline Basis: Equal Hydraulic Gradeline

FLORIDA DEPARTMENT OF TRANSPORTATION
CLOSED FLUME SPREAD TABULATION FORM

Financial Project Identification: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs

Rainfall Zone: Zone 7
State Road: SR. 15

Prepared By: HDT
Checked By: MBS

Date: 2011-01-29
Date: 2011-01-29

Structure No.	Station	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	ongitudin Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.	REMARKS
419-5	491+90.00	LT	Type II CF 2	0.19	0.95	4.00	0.72	0.00	0.72	0.030	1.1673	0.016	4.81	7.50	N/A	0.72	0.00		Spread OK.
419-7	494+10.00	LT	Type II CF 2	0.19	0.95	4.00	0.72	0.00	0.72	0.020	1.2083	0.016	6.16	7.50	N/A	0.72	0.00		Spread OK.
419-8	495+00.00	LT	Type II CF 2	0.12	0.95	4.00	0.46	0.00	0.46	0.025	0.6272	0.016	5.10	7.50	N/A	0.46	0.00		Spread OK.
419-8a	495+40.00	LT	Type II CF 2	0.32	0.95	4.00	1.22	0.00	1.22	0.025	0.6272	0.016	7.36	7.50	N/A	1.22	0.00		Spread OK.
S-100	647+98.00	RT	Type I CF 2	0.19	0.95	4.00	0.73	0.00	0.73	0.030	0.6454	0.016	5.41	7.50	N/A	0.73	0.00		Spread OK.
S-103	649+10.00	RT	Type I CF 2	0.31	0.95	4.00	1.17	0.00	1.17	0.030	0.6837	0.016	6.37	7.50	N/A	1.17	0.00		Spread OK.
S-104	655+35.00	RT	Type I CF 4	0.48	0.95	4.00	1.81	0.00	1.81	0.030	3.3895	0.016	5.55	11.50	N/A	1.81	0.00		Spread OK.
S-105	658+30.00	RT	Type I CF 4	0.46	0.95	4.00	1.73	0.00	1.73	0.030	4.1959	0.016	5.25	11.50	N/A	1.73	0.00		Spread OK.
S-145	83+80.00	LT	Type II CF 2	0.10	0.95	4.00	0.38	0.00	0.38	0.020	1.8000	0.016	4.51	11.50	N/A	0.38	0.00		Spread OK.
S-317	798+74.39	RT	Type I CF 4	0.23	0.95	4.00	0.88	0.00	0.88	0.030	0.2359	0.016	6.98	11.50	N/A	0.88	0.00		Spread OK.
S-318	799+87.39	RT	Type I CF 4	0.39	0.95	4.00	1.47	0.00	1.47	0.030	0.2000	0.016	8.74	11.50	N/A	1.47	0.00		Spread OK.
S-322	801+56.05	RT	Type I CF 4	0.26	0.95	4.00	0.97	0.00	0.97	0.030	0.2000	0.016	7.49	11.50	N/A	0.97	0.00		Spread OK.
S-324	804+30.00	RT	Type I CF 2	0.11	0.95	4.00	0.41	0.00	0.41	0.030	0.4367	0.016	4.66	11.50	N/A	0.41	0.00		Spread OK.
S-326	805+05.00	RT	Type I CF 2	0.10	0.95	4.00	0.39	0.00	0.39	0.030	0.4367	0.016	4.60	11.50	N/A	0.39	0.00		Spread OK.
S-329	806+60.00	RT	Type I CF 1	0.23	0.95	4.00	0.87	0.00	0.87	0.030	0.2000	0.016	7.18	11.50	N/A	0.87	0.00		Spread OK.
S-331	807+71.00	RT	Type I CF 4	0.18	0.95	4.00	0.68	0.00	0.68	0.030	0.2000	0.016	6.56	11.50	N/A	0.68	0.00		Spread OK.
S-335	809+35.00	RT	Type I CF 4	0.24	0.95	4.00	0.90	0.00	0.90	0.030	0.2000	0.016	7.29	11.50	N/A	0.90	0.00		Spread OK.
S-337	811+09.00	RT	Type I CF 4	0.24	0.95	4.00	0.92	0.00	0.92	0.030	1.9302	0.016	4.79	11.50	N/A	0.92	0.00		Spread OK.
S-340	812+63.00	RT	Type I CF 4	0.22	0.95	4.00	0.85	0.00	0.85	0.030	0.2000	0.016	7.12	11.50	N/A	0.85	0.00		Spread OK.
S-342	814+35.00	RT	Type I CF 4	0.23	0.95	4.00	0.86	0.00	0.86	0.030	0.2405	0.016	6.89	11.50	N/A	0.86	0.00		Spread OK.
S-343	815+50.00	RT	Type I CF 4	0.28	0.95	4.00	1.05	0.00	1.05	0.030	0.2405	0.016	7.45	11.50	N/A	1.05	0.00		Spread OK.
S-404	845+47.00	LT	Type I CF 2	0.32	0.95	4.00	1.23	0.00	1.23	0.030	0.3000	0.016	7.57	11.50	N/A	1.23	0.00		Spread OK.
S-405	845+80.00	RT	Type I CF 2	0.32	0.95	4.00	1.20	0.00	1.20	0.030	0.4000	0.016	7.12	11.50	N/A	1.20	0.00		Spread OK.
S-406	847+24.00	LT	Type I CF 2	0.33	0.95	4.00	1.25	0.00	1.25	0.030	0.2000	0.016	8.23	11.50	N/A	1.25	0.00		Spread OK.
S-407	848+00.00	RT	Type I CF 2	0.28	0.95	4.00	1.05	0.00	1.05	0.030	0.2000	0.016	7.71	11.50	N/A	1.05	0.00		Spread OK.
S-408	849+10.00	LT	Type I CF 2	0.16	0.95	4.00	0.60	0.00	0.60	0.030	0.2000	0.016	6.25	11.50	N/A	0.60	0.00		Spread OK.
S-409	849+97.62	RT	Type I CF 2	0.37	0.95	4.00	1.40	0.00	1.40	0.030	0.2000	0.016	8.58	11.50	N/A	1.40	0.00		Spread OK.
S-410	853+00.00	RT	Type I CF 2	0.22	0.95	4.00	0.84	0.00	0.84	0.030	0.2000	0.016	7.07	11.50	N/A	0.84	0.00		Spread OK.
S-411	854+00.00	RT	Type I CF 2	0.17	0.95	4.00	0.65	0.00	0.65	0.030	0.2000	0.016	6.42	11.50	N/A	0.65	0.00		Spread OK.
S-412	855+15.00	RT	Type I CF 2	0.16	0.95	4.00	0.61	0.00	0.61	0.030	0.2000	0.016	6.28	11.50	N/A	0.61	0.00		Spread OK.
S-413	856+00.00	RT	Type I CF 2	0.24	0.95	4.00	0.91	0.00	0.91	0.030	0.2000	0.016	7.31	11.50	N/A	0.91	0.00		Spread OK.
419-10	496+99.00	LT	Type II CF 2	0.25	0.95	4.00	0.95	0.00	0.95	0.032	0.8082	0.016	5.49	7.50	N/A	0.95	0.00		Spread OK.
S-322A	802+14.00	RT	Type I CF 2	0.13	0.95	4.00	0.48	0.00	0.48	0.030	0.2000	0.016	5.74	11.50	N/A	0.48	0.00		Spread OK.
S-322B	803+23.50	RT	Type I CF 2	0.13	0.95	4.00	0.49	0.00	0.49	0.030	0.4367	0.016	5.02	11.50	N/A	0.49	0.00		Spread OK.

Remarks:
HEC-12 is used for spread and bypass computations
All other computations done using GEOPAK Drainage
Remarks:

FLORIDA DEPARTMENT OF TRANSPORTATION
CLOSED FLUME INLET CAPACITY FORM

Financial Project Identification: 24019613201
Description: Six laning of US 17-92 in Seminole County

County: Seminole
Organization: Jacobs

Rainfall Zone: Zone 7
State Road: SR. 15

Prepared By: MBS
Checked By: HDT

Date: 2011-01-29
Date: 2011-01-29

Structure No.	Station	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	*Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Min. Opening Requirements (ft) HEC-22	Opening Provided per FDOT Index 211 (ft)	REMARKS
419-5	491+90.00	LT	Type II CF 2	0.19	0.95	7.41	1.34	0.00	1.34	0.030	1.1673	0.016	6.06	7.50	N/A	5.9	9.00	Capacity OK
419-7	494+10.00	LT	Type II CF 2	0.19	0.95	7.41	1.34	0.00	1.34	0.020	1.2083	0.016	7.76	7.50	N/A	6.1	9.00	Capacity OK
419-8	495+00.00	LT	Type II CF 2	0.12	0.95	7.41	0.84	0.00	0.84	0.025	0.6272	0.016	6.42	7.50	N/A	4.1	9.00	Capacity OK
419-8a	495+40.00	LT	Type II CF 2	0.32	0.95	7.41	2.25	0.00	2.25	0.025	0.6272	0.016	9.28	7.50	N/A	6.2	9.00	Capacity OK
S-100	647+98.00	RT	Type I CF 2	0.19	0.95	6.50	1.19	0.00	1.19	0.030	0.6454	0.016	6.49	7.50	N/A	4.7	9.00	Capacity OK
S-103	649+10.00	RT	Type I CF 2	0.31	0.95	6.50	1.90	0.00	1.90	0.030	0.6837	0.016	7.65	7.50	N/A	5.8	9.00	Capacity OK
S-104	655+35.00	RT	Type I CF 3	0.48	0.95	6.50	2.93	0.00	2.93	0.030	3.3895	0.016	6.66	11.50	N/A	11.2	14.00	Capacity OK
S-105	658+30.00	RT	Type I CF 3	0.46	0.95	6.50	2.82	0.00	2.82	0.030	4.1959	0.016	6.30	11.50	N/A	11.8	14.00	Capacity OK
S-145	83+80.00	LT	Type II CF 2	0.10	0.95	6.50	0.62	0.00	0.62	0.020	1.8000	0.016	5.41	11.50	N/A	5.0	9.00	Capacity OK
S-317	798+74.39	RT	Type I CF 4	0.23	0.95	6.50	1.43	0.00	1.43	0.030	0.2359	0.016	8.38	11.50	N/A	3.7	19.00	Capacity OK
S-318	799+87.39	RT	Type I CF 4	0.39	0.95	6.50	2.39	0.00	2.39	0.030	0.2000	0.016	10.48	11.50	N/A	4.4	19.00	Capacity OK
S-322	801+56.05	RT	Type I CF 4	0.26	0.95	6.50	1.58	0.00	1.58	0.030	0.2000	0.016	8.98	11.50	N/A	3.7	19.00	Capacity OK
S-324	804+30.00	RT	Type I CF 2	0.11	0.95	6.50	0.66	0.00	0.66	0.030	0.4367	0.016	5.59	11.50	N/A	3.2	19.00	Capacity OK
S-326	805+05.00	RT	Type I CF 2	0.10	0.95	6.50	0.64	0.00	0.64	0.030	0.4367	0.016	5.51	11.50	N/A	3.2	9.00	Capacity OK
S-329	806+60.00	RT	Type I CF 1	0.23	0.95	6.50	1.41	0.00	1.41	0.030	0.2000	0.016	8.62	11.50	N/A	3.5	9.00	Capacity OK
S-331	807+71.00	RT	Type I CF 4	0.18	0.95	6.50	1.11	0.00	1.11	0.030	0.2000	0.016	7.87	11.50	N/A	3.2	19.00	Capacity OK
S-335	809+35.00	RT	Type I CF 4	0.24	0.95	6.50	1.47	0.00	1.47	0.030	0.2000	0.016	8.74	11.50	N/A	3.6	19.00	Capacity OK
S-337	811+09.00	RT	Type I CF 4	0.24	0.95	6.50	1.49	0.00	1.49	0.030	1.9302	0.016	5.75	11.50	N/A	7.1	19.00	Capacity OK
S-340	812+63.00	RT	Type I CF 4	0.22	0.95	6.50	1.38	0.00	1.38	0.030	0.2000	0.016	8.54	11.50	N/A	3.5	19.00	Capacity OK
S-342	814+35.00	RT	Type I CF 4	0.23	0.95	6.50	1.39	0.00	1.39	0.030	0.2405	0.016	8.27	11.50	N/A	3.7	19.00	Capacity OK
S-343	815+50.00	RT	Type I CF 4	0.28	0.95	6.50	1.71	0.00	1.71	0.030	0.2405	0.016	8.94	11.50	N/A	4.0	19.00	Capacity OK
S-404	845+47.00	LT	Type I CF 2	0.32	0.95	6.50	1.99	0.00	1.99	0.030	0.3000	0.016	9.08	11.50	N/A	4.6	9.00	Capacity OK
S-405	845+80.00	RT	Type I CF 2	0.32	0.95	6.50	1.96	0.00	1.96	0.030	0.4000	0.016	8.55	11.50	N/A	5.0	9.00	Capacity OK
S-406	847+24.00	LT	Type I CF 2	0.33	0.95	6.50	2.03	0.00	2.03	0.030	0.2000	0.016	9.87	11.50	N/A	4.1	9.00	Capacity OK
S-407	848+00.00	RT	Type I CF 2	0.28	0.95	6.50	1.71	0.00	1.71	0.030	0.2000	0.016	9.25	11.50	N/A	3.8	9.00	Capacity OK
S-408	849+10.00	LT	Type I CF 2	0.16	0.95	6.50	0.98	0.00	0.98	0.030	0.2000	0.016	7.50	11.50	N/A	3.0	9.00	Capacity OK
S-409	849+97.62	RT	Type I CF 2	0.37	0.95	6.50	2.27	0.00	2.27	0.030	0.2000	0.016	10.29	11.50	N/A	4.3	9.00	Capacity OK
S-410	853+00.00	RT	Type I CF 2	0.22	0.95	6.50	1.36	0.00	1.36	0.030	0.2000	0.016	8.49	11.50	N/A	3.5	9.00	Capacity OK
S-411	854+00.00	RT	Type I CF 2	0.17	0.95	6.50	1.05	0.00	1.05	0.030	0.2000	0.016	7.70	11.50	N/A	3.1	9.00	Capacity OK
S-412	855+15.00	RT	Type I CF 2	0.16	0.95	6.50	0.99	0.00	0.99	0.030	0.2000	0.016	7.53	11.50	N/A	3.0	9.00	Capacity OK
S-413	856+00.00	RT	Type I CF 2	0.24	0.95	6.50	1.48	0.00	1.48	0.030	0.2000	0.016	8.77	11.50	N/A	3.6	9.00	Capacity OK
419-10	496+99.00	LT	Type II CF 2	0.25	0.95	7.41	1.76	0.00	1.76	0.032	0.8082	0.016	6.91	7.50	N/A	5.9	9.00	Capacity OK
S-322A	802+14.00	RT	Type I CF 2	0.13	0.95	6.50	0.78	0.00	0.78	0.030	0.2000	0.016	6.89	11.50	N/A	2.7	9.00	Capacity OK
S-322B	803+23.50	RT	Type I CF 2	0.13	0.95	6.50	0.80	0.00	0.80	0.030	0.4367	0.016	6.02	11.50	N/A	3.5	9.00	Capacity OK

Remarks:
Min. Opening Requirements using HEC-22 equation for Curb Inlet Capacity.
All other computations done using GEOPAK Drainage
Remarks:
*Rainfall-10 yr. rainfall intensity (7.41 in/hr) was used because the inlets are within Seminole County right-of-way.

FLORIDA DEPARTMENT OF TRANSPORTATION
SPREAD TABULATION FORM

Financial Project Identification: 240196-1-32-01 | County: Seminole | Rainfall Zone: Zone 7 | Prepared By: HDT | Date: 04/15/2011
Description: Six Laning of US 17-92 in Seminole County | Organization: Jacobs | State Road: SR 15/600 | Checked By: MBS | Date: 04/15/2011

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
GH-1	3+00.00	14.00	RT	BWI	0.07	0.95	4.00	0.27	0.00	0.27	0.020	2.8660	0.016	3.60	11.50	N/A	0.27	0.00	
GH-2	4+25.00	16.31	LT	BWI	0.29	0.95	4.00	1.08	0.00	1.08	0.020	2.8655	0.016	6.10	11.50	N/A	1.02	0.06	
GH-3	4+25.00	14.61	RT	BWI	0.09	0.95	4.00	0.36	0.00	0.36	0.020	2.8655	0.016	4.03	11.50	N/A	0.36	0.00	
419-6	493+55.28	51.67	RT	Type 5 CI	0.04	0.95	4.00	0.15	0.00	0.15	0.020	0.9314	0.016	3.60	7.50	N/A	0.15	0.00	
S-106	660+40.00	5.50	RT	Type 7 CI	0.20	0.95	4.00	0.76	0.00	0.76	0.034	4.5312	0.016	3.51	7.75	N/A	0.67	0.09	S-109
S-107	660+40.00	51.00	RT	InltCurb1	0.45	0.95	4.00	1.72	0.00	1.72	0.030	4.5312	0.016	5.16	11.50	N/A	1.72	0.00	
S-108	663+45.00	11.00	LT	InltCurb1	0.52	0.95	4.00	1.96	0.00	1.96	0.035	2.3088	0.016	5.59	7.75	N/A	1.96	0.00	
S-109	663+45.00	51.00	RT	InltCurb1	0.21	0.95	4.00	0.91	0.09	1.00	0.030	2.3400	0.016	4.78	11.50	N/A	0.91	0.00	
S-110	665+80.00	11.00	LT	InltCurb1	0.40	0.95	4.00	1.50	0.00	1.50	0.017	1.6778	0.016	8.60	7.75	N/A	1.50	0.00	
S-111	666+65.00	11.00	LT	InltCurb1	0.14	0.95	4.00	0.54	0.00	0.54	0.021	1.2678	0.016	5.25	7.75	N/A	0.54	0.00	
S-112	666+65.00	51.00	RT	InltCurb1	0.39	0.95	4.00	1.47	0.00	1.47	0.030	1.2225	0.016	6.22	11.50	N/A	1.47	0.00	
S-113	669+27.81	51.00	LT	InltCurb2	0.80	0.95	4.00	3.04	0.00	3.04	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-114	669+31.08	51.00	RT	InltCurb2	0.52	0.95	4.00	1.99	0.00	1.99	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-115	670+40.00	51.00	RT	InltCurb1	0.24	0.95	4.00	0.91	0.00	0.91	0.020	0.3000	0.016	8.72	11.50	N/A	0.91	0.00	
S-117	673+60.00	51.00	RT	InltCurb1	0.21	0.95	4.00	0.80	0.00	0.80	0.020	0.3000	0.016	8.31	11.50	N/A	0.80	0.00	
S-119	674+60.00	51.00	LT	InltCurb2	0.71	0.95	4.00	2.70	0.00	2.70	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-120	674+60.00	51.00	RT	InltCurb2	0.35	0.95	4.00	1.33	0.00	1.33	0.020		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-121	676+00.00	51.00	RT	InltCurb1	0.16	0.95	4.00	0.62	0.00	0.62	0.020	0.3000	0.016	7.54	11.50	N/A	0.62	0.00	
S-124	679+00.00	51.00	LT	InltCurb1	0.27	0.95	4.00	1.01	0.00	1.01	0.030	0.2312	0.016	7.38	11.50	N/A	1.01	0.00	
S-125	679+00.00	51.00	RT	InltCurb1	0.28	0.95	4.00	1.06	0.00	1.06	0.020	0.2280	0.016	9.73	11.50	N/A	1.06	0.00	
S-126	679+69.09	51.00	RT	InltCurb2	0.42	0.95	4.00	1.58	0.00	1.58	0.020		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-127	679+69.64	51.00	LT	InltCurb2	0.20	0.95	4.00	0.77	0.00	0.77	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-129	681+80.00	51.00	RT	InltCurb1	0.08	0.95	4.00	0.30	0.00	0.30	0.020	0.3000	0.016	5.78	11.50	N/A	0.30	0.00	
S-130	682+00.00	51.00	LT	InltCurb1	0.12	0.95	4.00	0.46	0.00	0.46	0.020	0.3000	0.016	6.75	11.50	N/A	0.46	0.00	
S-131	684+00.00	51.00	LT	InltCurb1	0.18	0.95	4.00	0.68	0.00	0.68	0.020	0.6900	0.016	6.70	11.50	N/A	0.68	0.00	
S-133	684+00.00	51.00	RT	InltCurb1	0.17	0.95	4.00	0.66	0.00	0.66	0.020	0.6657	0.016	6.64	11.50	N/A	0.66	0.00	
S-134	685+91.00	51.00	LT	InltCurb1	0.30	0.95	4.00	1.13	0.00	1.13	0.020	1.4500	0.016	7.04	11.50	N/A	1.13	0.00	
S-135	685+91.00	51.00	RT	InltCurb1	0.28	0.95	4.00	1.08	0.00	1.08	0.020	1.4500	0.016	6.92	11.50	N/A	1.08	0.00	
S-136	687+80.00	51.00	LT	InltCurb1	0.29	0.95	4.00	1.10	0.00	1.10	0.020	0.3920	0.016	8.90	11.50	N/A	1.10	0.00	
S-137	687+80.00	51.00	RT	InltCurb1	0.27	0.95	4.00	1.04	0.00	1.04	0.020	0.7000	0.016	7.82	11.50	N/A	1.04	0.00	
S-138	691+10.00	51.00	LT	InltCurb2	0.15	0.95	4.00	0.57	0.00	0.57	0.020	0.3000	0.016	7.33	11.50	N/A	N/A	0.00	
S-139	691+10.00	51.00	RT	InltCurb2	0.15	0.95	4.00	0.56	0.00	0.56	0.020	0.3000	0.016	7.25	11.50	N/A	N/A	0.00	
S-141	694+10.00	51.00	LT	InltCurb2	0.18	0.95	4.00	0.68	0.00	0.68	0.020	0.3000	0.016	7.80	11.50	N/A	N/A	0.00	
S-142	694+90.00	51.00	RT	InltCurb2	0.46	0.95	4.00	1.74	0.00	1.74	0.020	0.3000	0.016	11.12	11.50	N/A	N/A	0.00	
S-143	696+00.00	51.00	LT	InltCurb2	0.46	0.95	4.00	1.74	0.00	1.74	0.020	0.3000	0.016	11.11	11.50	N/A	N/A	0.00	
S-146	697+60.00	51.00	RT	InltCurb1	0.14	0.95	4.00	0.53	0.00	0.53	0.020	0.3000	0.016	7.10	11.50	N/A	0.53	0.00	
S-147	697+63.00	51.00	LT	InltCurb1	0.49	0.95	4.00	1.87	0.00	1.87	0.020	0.6561	0.016	9.86	11.50	N/A	1.87	0.00	S-143
S-149	700+72.80	55.00	RT	InltCurb1	0.67	0.95	4.00	2.54	0.00	2.54	0.020	0.7920	0.016	10.68	11.50	N/A	2.54	0.00	
S-150	700+72.00	55.00	LT	InltCurb1	0.39	0.95	4.00	1.49	0.00	1.49	0.020	0.9240	0.016	8.50	11.50	N/A	1.49	0.00	S-147
S-152	703+00.00	55.00	RT	InltCurb1	0.46	0.95	4.00	1.73	0.00	1.73	0.020	0.6800	0.016	9.52	11.50	N/A	1.73	0.00	
S-153	703+00.00	55.00	LT	InltCurb1	0.52	0.95	4.00	1.96	0.00	1.96	0.030	0.6044	0.016	7.91	11.50	N/A	1.96	0.00	
S-157	706+00.00	55.00	RT	InltCurb1	0.40	0.95	4.00	1.52	0.00	1.52	0.020	0.5440	0.016	9.45	11.50	N/A	1.52	0.00	
S-158	706+00.00	55.00	LT	InltCurb1	0.44	0.95	4.00	1.68	0.00	1.68	0.030	0.6044	0.016	7.47	11.50	N/A	1.68	0.00	
S-162	708+60.00	55.00	RT	InltCurb1	0.52	0.95	4.00	1.96	0.00	1.96	0.020	0.6500	0.016	10.05	11.50	N/A	1.96	0.00	
S-163	708+60.00	55.00	LT	InltCurb1	0.59	0.95	4.00	2.24	0.00	2.24	0.030	0.6500	0.016	8.20	11.50	N/A	2.24	0.00	
S-167	712+00.00	55.00	LT	InltCurb1	0.48	0.95	4.00	1.83	0.00	1.83	0.030	0.9636	0.016	7.07	11.50	N/A	1.83	0.00	
S-168	712+00.00	55.00	RT	InltCurb1	0.55	0.95	4.00	2.07	0.00	2.07	0.020	0.6500	0.016	10.27	11.50	N/A	2.07	0.00	
S-173	715+20.00	55.00	LT	InltCurb1	0.41	0.95	4.00	1.56	0.00	1.56	0.020	0.9636	0.016	8.57	11.50	N/A	1.56	0.00	
S-174	715+20.00	55.00	RT	InltCurb1	0.46	0.95	4.00	1.77	0.00	1.77	0.020	0.8667	0.016	9.17	11.50	N/A	1.77	0.00	
S-178	717+75.00	55.00	LT	InltCurb1	0.58	0.95	4.00	2.19	0.00	2.19	0.018	0.7071	0.016	10.95	11.50	N/A	2.19	0.00	
S-179	717+90.00	55.00	RT	InltCurb1	0.68	0.95	4.00	2.59	0.00	2.59	0.020	0.8667	0.016	10.58	11.50	N/A	2.59	0.00	

SEE GRAPH FOR SUMPS

FLORIDA DEPARTMENT OF TRANSPORTATION
SPREAD TABULATION FORM

Financial Project Identification: 240196-1-32-01 | County: Seminole | Rainfall Zone: Zone 7 | Prepared By: HDT | Date: 04/15/2011
Description: Six Laning of US 17-92 in Seminole County | Organization: Jacobs | State Road: SR 15/600 | Checked By: MBS | Date: 04/15/2011

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-187	721+60.00	55.00	LT	InltCurb1	0.41	0.95	4.00	1.57	0.00	1.57	0.030	0.5200	0.016	7.49	11.50	N/A	1.57	0.00	
S-188	721+60.00	68.00	RT	InltCurb1	0.38	0.95	4.00	1.46	0.00	1.46	0.030	0.5294	0.016	7.26	7.50	N/A	1.46	0.00	
S-192	723+50.00	68.00	RT	InltCurb1	0.28	0.95	4.00	1.06	0.00	1.06	0.030	0.5294	0.016	6.45	7.50	N/A	1.06	0.00	
S-195	85+12.00	34.18	RT	Type 6 CI	0.35	0.95	4.00	1.33	0.00	1.33	0.050		0.016	#DIV/0!	7.50	3.25	N/A	0.00	SUMP INLET
S-196	82+81.77	33.72	RT	InltCurb1	0.14	0.95	4.00	0.52	0.00	0.52	0.060	1.8000	0.016	2.54	7.50	N/A	N/A	0.00	
S-197	82+78.52	29.50	LT	Type 5 CI	0.08	0.95	4.00	0.29	0.00	0.29	0.060	1.8000	0.016	2.05	7.50	N/A	N/A	0.00	
S-198	84+97.00	31.82	LT	InltCurb2	0.30	0.95	4.00	1.15	0.00	1.15	0.060		0.016	#DIV/0!	7.50	N/A	N/A	0.00	SUMP INLET
S-199	725+60.00	55.00	LT	InltCurb1	0.60	0.95	4.00	2.26	0.00	2.26	0.020	0.4094	0.016	11.57	11.50	N/A	2.26	0.00	
S-202	726+43.00	7.50	RT	Type 7 CI	0.14	0.95	4.00	0.55	0.00	0.55	0.020	0.4094	0.016	6.80	7.75	N/A	0.55	0.00	
S-203	726+43.00	55.00	RT	InltCurb1	0.34	0.95	4.00	1.29	0.00	1.29	0.030	0.6429	0.016	6.68	11.50	N/A	1.29	0.00	
S-204	728+00.00	7.50	RT	Type 7 CI	0.17	0.95	4.00	0.63	0.00	0.63	0.020	0.4094	0.016	7.17	7.75	N/A	0.63	0.00	
S-206	729+21.00	65.10	RT	InltCurb1	0.20	0.95	4.00	0.75	0.00	0.75	0.030	0.3000	0.016	6.31	6.50	N/A	0.75	0.00	
S-210	730+53.00	68.00	RT	InltCurb1	0.30	0.95	4.00	1.12	0.00	1.12	0.030	0.3000	0.016	7.32	7.50	N/A	1.12	0.00	
S-211	730+53.00	7.50	RT	Type 7 CI	0.13	0.95	4.00	0.50	0.00	0.50	0.020	0.4094	0.016	6.56	7.75	N/A	0.50	0.00	
S-212	730+53.00	55.00	LT	InltCurb1	0.24	0.84	4.00	0.82	0.00	0.82	0.020	0.4094	0.016	7.91	11.50	N/A	0.82	0.00	
S-216	732+52.00	55.00	LT	InltCurb1	0.15	0.91	4.00	0.55	0.00	0.55	0.022	0.4094	0.016	6.46	11.50	N/A	0.55	0.00	
S-217	732+61.59	68.00	RT	InltCurb2	0.16	0.81	4.00	0.50	0.00	0.50	0.036		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-219	733+43.11	68.00	RT	InltCurb2	0.27	0.84	4.00	0.91	0.00	0.91	0.036		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-220	733+92.44	55.00	LT	InltCurb2	0.09	0.91	4.00	0.32	0.00	0.32	0.045		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-221	734+50.00	68.00	RT	InltCurb1	0.31	0.87	4.00	1.08	0.00	1.08	0.030	0.3000	0.016	7.22	11.50	N/A	1.08	0.00	
S-222	734+74.14	55.00	LT	InltCurb2	0.11	0.91	4.00	0.42	0.00	0.42	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-223	735+31.00	55.00	LT	InltCurb1	0.13	0.95	4.00	0.48	0.00	0.48	0.037	0.3000	0.016	4.68	11.50	N/A	0.48	0.00	
S-224	736+00.00	68.00	RT	InltCurb1	0.20	0.85	4.00	0.69	0.00	0.69	0.012	0.2890	0.016	10.70	11.50	N/A	0.69	0.00	
S-225	738+34.35	68.00	LT	InltCurb2	0.23	0.94	4.00	0.87	0.00	0.87	0.038		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-226	738+89.69	55.00	RT	InltCurb2	0.14	0.75	4.00	0.42	0.00	0.42	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-228	739+41.61	68.00	LT	InltCurb2	0.19	0.92	4.00	0.70	0.00	0.70	0.036		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-230	740+04.00	55.00	RT	InltCurb2	0.16	0.83	4.00	0.52	0.00	0.52	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-231	741+85.00	68.00	LT	InltCurb2	0.55	0.64	4.00	1.42	0.00	1.42	0.038		0.016	#DIV/0!	7.50	N/A	N/A	0.00	SUMP INLET
S-232	742+18.00	55.00	RT	InltCurb2	0.38	0.87	4.00	1.31	0.00	1.31	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-234	742+98.00	55.00	RT	InltCurb2	0.10	0.92	4.00	0.38	0.00	0.38	0.045		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-235	743+30.00	55.00	LT	InltCurb2	0.14	0.91	4.00	0.50	0.00	0.50	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-236	743+78.00	55.00	RT	InltCurb2	0.18	0.92	4.00	0.65	0.00	0.65	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-238	744+30.00	55.00	LT	InltCurb2	0.14	0.91	4.00	0.50	0.00	0.50	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-239	744+78.00	55.00	RT	InltCurb2	0.18	0.92	4.00	0.65	0.00	0.65	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-240	745+30.00	55.00	LT	InltCurb2	0.23	0.90	4.00	0.82	0.00	0.82	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-241	745+78.00	55.00	RT	InltCurb2	0.18	0.92	4.00	0.65	0.00	0.65	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-242	746+50.00	55.00	LT	InltCurb1	0.10	0.89	4.00	0.36	0.00	0.36	0.031	0.1306	0.016	5.48	11.50	N/A	0.36	0.00	
S-243	746+78.00	55.00	RT	InltCurb2	0.16	0.91	4.00	0.58	0.00	0.58	0.058		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-244	747+44.00	55.00	RT	InltCurb2	0.12	0.92	4.00	0.44	0.00	0.44	0.048		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-247	749+00.00	58.08	LT	InltCurb1	0.17	0.94	4.00	0.65	0.00	0.65	0.020	0.2928	0.016	7.72	11.50	N/A	0.65	0.00	
S-250	750+89.00	55.00	RT	InltCurb1	0.49	0.86	4.00	1.67	0.00	1.67	0.024	0.3000	0.016	9.79	11.50	N/A	1.67	0.00	
S-251	752+00.00	55.00	LT	InltCurb1	0.55	0.84	4.00	1.86	0.00	1.86	0.030	0.5469	0.016	7.91	11.50	N/A	1.86	0.00	
S-252	753+40.00	55.00	RT	InltCurb1	0.38	0.86	4.00	1.32	0.00	1.32	0.030	0.6500	0.016	6.74	11.50	N/A	1.32	0.00	
S-253	754+85.00	55.00	LT	InltCurb1	0.55	0.78	4.00	1.72	0.00	1.72	0.030	0.5500	0.016	7.67	11.50	N/A	1.72	0.00	
S-254	756+40.00	55.00	RT	InltCurb1	0.47	0.86	4.00	1.62	0.00	1.62	0.030	0.5000	0.016	7.63	11.50	N/A	1.62	0.00	
S-256	757+40.00	55.00	LT	InltCurb1	0.40	0.83	4.00	1.34	0.00	1.34	0.030	0.5500	0.016	6.99	11.50	N/A	1.34	0.00	
S-257	758+32.00	55.00	LT	InltCurb2	0.23	0.82	4.00	0.75	0.00	0.75	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-258	759+32.00	55.00	LT	InltCurb2	0.16	0.82	4.00	0.54	0.00	0.54	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-259	759+40.00	55.00	RT	InltCurb1	0.44	0.83	4.00	1.47	0.00	1.47	0.034	0.2680	0.016	7.71	11.50	N/A	1.47	0.00	
S-261	760+32.00	55.00	LT	InltCurb2	0.15	0.84	4.00	0.51	0.00	0.51	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET

SEE GRAPHS FOR SUMPS

FLORIDA DEPARTMENT OF TRANSPORTATION
SPREAD TABULATION FORM

Financial Project Identification: 240196-1-32-01 | County: Seminole | Rainfall Zone: Zone 7 | Prepared By: HDT | Date: 04/15/2011
Description: Six Laning of US 17-92 in Seminole County | Organization: Jacobs | State Road: SR 15/600 | Checked By: MBS | Date: 04/15/2011

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-262	760+85.00	55.00	RT	InltCurb2	0.28	0.88	4.00	0.97	0.00	0.97	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-264	761+32.00	55.00	LT	InltCurb2	0.14	0.86	4.00	0.50	0.00	0.50	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-265	761+92.75	55.00	RT	InltCurb2	0.19	0.87	4.00	0.66	0.00	0.66	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-266	762+53.00	55.00	LT	InltCurb1	0.16	0.90	4.00	0.59	0.00	0.59	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-267	762+91.00	55.00	RT	InltCurb2	0.16	0.90	4.00	0.59	0.00	0.59	0.043		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-268	763+43.50	55.00	LT	InltCurb2	0.13	0.84	4.00	0.43	0.00	0.43	0.043		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-270	763+90.82	55.00	RT	InltCurb2	0.18	0.84	4.00	0.60	0.00	0.60	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-271	764+43.33	55.00	LT	InltCurb2	0.21	0.92	4.00	0.77	0.00	0.77	0.053		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-272	764+91.00	55.00	RT	InltCurb2	0.35	0.83	4.00	1.18	0.00	1.18	0.043		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-273	765+00.00	55.00	LT	InltCurb1	0.32	0.87	4.00	1.14	0.00	1.14	0.030	0.4115	0.016	6.93	11.50	N/A	1.14	0.00	
S-276	767+11.00	55.00	LT	InltCurb1	0.43	0.85	4.00	1.47	0.00	1.47	0.030	1.6834	0.016	5.87	11.50	N/A	1.47	0.00	
S-277	767+11.00	55.00	RT	InltCurb1	0.44	0.84	4.00	1.49	0.00	1.49	0.030	1.6834	0.016	5.89	11.50	N/A	1.49	0.00	
S-280	770+00.00	55.00	RT	InltCurb1	0.41	0.87	4.00	1.43	0.00	1.43	0.030	1.7026	0.016	5.79	11.50	N/A	1.43	0.00	
S-281	770+00.00	55.00	LT	InltCurb1	0.59	0.89	4.00	2.10	0.00	2.10	0.030	1.7026	0.016	6.69	11.50	N/A	2.10	0.00	
S-283	772+63.00	55.00	RT	InltCurb1	0.36	0.52	4.00	0.74	0.00	0.74	0.030	2.2848	0.016	4.28	11.50	N/A	0.74	0.00	
S-284	773+80.00	55.00	LT	InltCurb1	0.49	0.92	4.00	1.80	0.00	1.80	0.030	0.4914	0.016	7.98	11.50	N/A	1.80	0.00	
S-285	775+00.00	55.00	RT	InltCurb1	0.21	0.52	4.00	0.44	0.00	0.44	0.030	0.6631	0.016	4.43	11.50	N/A	0.44	0.00	
S-286	776+63.75	55.00	RT	InltCurb2	0.13	0.86	4.00	0.46	0.00	0.46	0.060		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-287	777+76.75	55.00	RT	InltCurb2	0.14	0.86	4.00	0.50	0.00	0.50	0.045		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-288	779+47.00	55.00	LT	InltCurb1	0.38	0.86	4.00	1.32	0.00	1.32	0.022	0.7000	0.016	7.99	11.50	N/A	1.32	0.00	
S-289	779+47.00	55.00	RT	InltCurb1	0.26	0.89	4.00	0.91	0.00	0.91	0.030	0.7429	0.016	5.72	11.50	N/A	0.91	0.00	
S-290	782+00.00	55.00	RT	InltCurb1	0.19	0.81	4.00	0.61	0.00	0.61	0.030	0.7000	0.016	4.98	11.50	N/A	0.61	0.00	
S-291	783+35.00	55.00	LT	InltCurb1	0.46	0.90	4.00	1.65	0.00	1.65	0.030	0.7000	0.016	7.22	11.50	N/A	1.65	0.00	
S-293	785+00.00	55.00	RT	InltCurb1	0.40	0.78	4.00	1.25	0.00	1.25	0.030	0.7429	0.016	6.44	11.50	N/A	1.25	0.00	
S-295	786+00.00	55.00	LT	InltCurb1	0.12	0.82	4.00	0.40	0.00	0.40	0.030	0.7000	0.016	4.25	11.50	N/A	0.40	0.00	
S-297	787+91.00	55.00	RT	InltCurb1	0.42	0.75	4.00	1.26	0.00	1.26	0.030	0.6444	0.016	6.63	11.50	N/A	1.26	0.00	
S-298	787+90.00	55.00	LT	InltCurb1	0.29	0.79	4.00	0.91	0.00	0.91	0.030	0.7000	0.016	5.77	11.50	N/A	0.91	0.00	
S-302	790+95.00	55.00	RT	InltCurb1	0.42	0.65	4.00	1.10	0.00	1.10	0.030	0.7500	0.016	6.11	11.50	N/A	1.10	0.00	
S-303	790+95.00	55.00	LT	InltCurb1	0.50	0.80	4.00	1.61	0.00	1.61	0.020	0.7000	0.016	9.21	11.50	N/A	1.61	0.00	
S-306	793+50.00	57.67	RT	Type V GI	0.41	0.78	4.00	1.28	0.00	1.28	0.030	0.7500	0.016	6.48	11.50	N/A	1.19	0.09	S-309
S-307	793+50.00	56.75	LT	InltCurb1	0.39	0.66	4.00	1.03	0.00	1.03	0.030	0.7000	0.016	6.05	11.50	N/A	1.03	0.00	
S-309	795+90.00	68.00	RT	InltCurb1	0.42	0.88	4.00	1.57	0.09	1.66	0.030	1.0402	0.016	6.71	7.50	N/A	1.57	0.00	
S-310	795+90.00	67.00	LT	InltCurb1	0.39	0.81	4.00	1.26	0.00	1.26	0.030	0.3077	0.016	7.60	11.50	N/A	1.26	0.00	
S-316	798+00.00	67.00	LT	InltCurb1	0.39	0.93	4.00	1.44	0.00	1.44	0.030	0.3077	0.016	8.00	11.50	N/A	1.44	0.00	
S-321	801+56.00	67.00	LT	InltCurb1	0.66	0.93	4.00	2.44	0.00	2.44	0.030	0.3077	0.016	9.75	11.50	N/A	2.44	0.00	
S-323	803+50.00	79.00	LT	InltCurb1	0.31	0.93	4.00	1.16	0.00	1.16	0.030	0.3077	0.016	7.38	7.50	N/A	1.16	0.00	
S-328	806+47.00	75.70	LT	InltCurb1	0.64	0.88	4.00	2.26	0.00	2.26	0.030	0.3077	0.016	9.48	11.50	N/A	2.26	0.00	
S-332	807+90.00	64.20	LT	InltCurb2	0.32	0.93	4.00	1.19	0.00	1.19	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-333	809+16.70	56.65	LT	InltCurb2	0.20	0.80	4.00	0.65	0.00	0.65	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-336	810+80.70	55.00	LT	InltCurb2	0.25	0.79	4.00	0.80	0.00	0.80	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-339	812+44.00	55.00	LT	InltCurb2	0.28	0.79	4.00	0.87	0.00	0.87	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-344	816+03.10	55.00	LT	InltCurb1	0.55	0.79	4.00	1.72	0.00	1.72	0.025	0.2011	0.016	10.33	11.50	N/A	1.72	0.00	
S-347	817+22.51	55.00	LT	InltCurb2	0.51	0.81	4.00	1.65	0.00	1.65	0.050		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-348	817+22.51	15.00	RT	InltCurb1	0.17	0.87	4.00	0.59	0.00	0.59	0.028	0.1998	0.016	6.46	11.50	N/A	0.59	0.00	
S-349	817+96.95	15.00	RT	InltCurb1	0.11	0.85	4.00	0.37	0.00	0.37	0.020	0.1998	0.016	6.72	11.50	N/A	0.37	0.00	
S-351	818+63.00	68.00	RT	InltCurb1	0.09	0.89	4.00	0.33	0.00	0.33	0.029	0.1998	0.016	5.13	11.50	N/A	0.33	0.00	
S-352	818+99.86	2.88	RT	InltCurb1	0.20	0.85	4.00	0.68	0.00	0.68	0.028	0.1998	0.016	6.90	11.50	N/A	0.68	0.00	
S-353	819+00.00	55.00	LT	InltCurb1	0.11	0.88	4.00	0.39	0.00	0.39	0.031	0.2989	0.016	4.87	11.50	N/A	0.39	0.00	

SEE Graph for Sumps

FLORIDA DEPARTMENT OF TRANSPORTATION
SPREAD TABULATION FORM

Financial Project Identification: 240196-1-32-01 | **County: Seminole** | **Rainfall Zone: Zone 7** | **Prepared By: HDT** | **Date: 04/15/2011**
Description: Six Laning of US 17-92 in Seminole County | **Organization: Jacobs** | **State Road: SR 15/600** | **Checked By: MBS** | **Date: 04/15/2011**

Structure No.	Station	Offset	Side	Type of Structure	Drainage Area (acres)	Composite Runoff Coefficient	Rainfall Intensity (in/hr)	Overland Runoff (cfs)	Previous Inlet Bypass (cfs)	Total Runoff (cfs)	Cross Slope (ft/ft)	Longitudinal Slope (%)	Manning's n	Calculated Spread (ft)	Allowable Spread (ft)	Sumped Spread (ft)	Intercepted Flow (cfs)	Bypass Flow to Next Inlet (cfs)	Bypass to Structure No.
S-354	819+94.34	67.98	RT	InltCurb1	0.08	0.93	4.00	0.31	0.00	0.31	0.029	0.1998	0.016	4.94	11.50	N/A	0.31	0.00	
S-355	819+94.96	2.98	RT	InltCurb1	0.35	0.93	4.00	1.30	0.00	1.30	0.044	0.1998	0.016	6.53	11.50	N/A	1.30	0.00	
S-356	819+95.02	55.00	LT	InltCurb2	0.28	0.92	4.00	1.03	0.00	1.03	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET *
S-358	822+23.21	55.00	LT	InltCurb2	0.20	0.67	4.00	0.52	0.00	0.52	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-359	822+85.03	55.00	LT	InltCurb2	0.13	0.83	4.00	0.42	0.00	0.42	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-360	823+56.99	15.66	RT	InltCurb2	0.37	0.81	4.00	1.19	0.00	1.19	0.040		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-362	823+67.90	55.00	LT	InltCurb2	0.21	0.88	4.00	0.72	0.00	0.72	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-363	824+94.00	55.00	LT	InltCurb2	0.20	0.76	4.00	0.61	0.00	0.61	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-364	825+00.00	15.00	RT	InltCurb1	0.17	0.73	4.00	0.50	0.00	0.50	0.047	0.3000	0.016	4.07	11.50	N/A	0.50	0.00	
S-365	826+21.28	55.00	LT	InltCurb2	0.17	0.88	4.00	0.58	0.00	0.58	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-366	827+48.00	55.00	LT	InltCurb2	0.17	0.88	4.00	0.60	0.00	0.60	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-367	827+48.00	4.00	LT	InltCurb1	0.27	0.80	4.00	0.88	0.00	0.88	0.016	0.2000	0.016	10.88	13.50	N/A	0.88	0.00	
S-368	828+50.00	55.00	RT	InltCurb2	0.22	0.78	4.00	0.69	0.00	0.69	0.010		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-370	828+91.60	55.00	LT	InltCurb2	0.14	0.82	4.00	0.48	0.00	0.48	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-372	830+00.60	55.00	LT	InltCurb2	0.20	0.84	4.00	0.65	0.00	0.65	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-373	830+16.00	55.00	RT	InltCurb2	0.11	0.88	4.00	0.39	0.00	0.39	0.020		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-374	831+11.60	55.00	LT	InltCurb2	0.30	0.82	4.00	0.99	0.00	0.99	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-375	831+23.10	56.50	RT	Type V GI	0.13	0.89	4.00	0.46	0.00	0.46	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-376	832+38.10	55.00	RT	InltCurb2	0.11	0.88	4.00	0.39	0.00	0.39	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-377	832+38.30	55.00	LT	InltCurb2	0.23	0.76	4.00	0.71	0.00	0.71	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-378	833+43.00	55.00	RT	InltCurb2	0.12	0.86	4.00	0.40	0.00	0.40	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-379	833+65.00	55.00	LT	InltCurb2	0.18	0.76	4.00	0.55	0.00	0.55	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-380	834+31.57	55.00	RT	InltCurb2	0.10	0.94	4.00	0.39	0.00	0.39	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-381	834+75.00	55.00	LT	InltCurb2	0.18	0.78	4.00	0.55	0.00	0.55	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-382	835+13.91	55.00	RT	InltCurb2	0.13	0.94	4.00	0.50	0.00	0.50	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-383	835+85.00	55.00	LT	InltCurb1	0.18	0.78	4.00	0.55	0.00	0.55	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-385	835+95.00	57.00	RT	Type V GI	0.18	0.91	4.00	0.65	0.00	0.65	0.030		0.016	#DIV/0!	11.50	N/A	N/A	0.00	SUMP INLET
S-386	836+80.00	55.00	LT	InltCurb2	0.17	0.79	4.00	0.52	0.00	0.52	0.030	0.7117	0.016	4.68	11.50	N/A	N/A	0.00	
S-387	837+00.00	55.00	RT	InltCurb2	0.43	0.86	4.00	1.47	0.00	1.47	0.026	0.3025	0.016	8.85	11.50	N/A	1.47	0.00	
S-388	837+75.00	55.00	LT	InltCurb1	0.32	0.85	4.00	1.08	0.00	1.08	0.028	0.7117	0.016	6.38	11.50	N/A	1.08	0.00	
S-391	839+80.00	68.00	RT	InltCurb1	0.43	0.87	4.00	1.49	0.00	1.49	0.027	0.8000	0.016	7.20	11.50	N/A	1.49	0.00	
S-392	839+80.00	55.00	LT	InltCurb1	0.34	0.88	4.00	1.20	0.00	1.20	0.028	0.7117	0.016	6.71	11.50	N/A	1.20	0.00	
S-393	842+00.00	68.00	RT	InltCurb1	0.23	0.87	4.00	0.81	0.00	0.81	0.029	0.8000	0.016	5.46	11.50	N/A	0.81	0.00	
S-394	842+30.00	55.00	LT	InltCurb1	0.22	0.87	4.00	0.78	0.00	0.78	0.030	0.9135	0.016	5.19	11.50	N/A	0.78	0.00	
S-398	843+20.00	68.00	RT	InltCurb1	0.10	0.95	4.00	0.38	0.00	0.38	0.033	0.7657	0.016	3.83	11.50	N/A	0.38	0.00	
419-11	497+00.00	54.00	RT	Type 5 CI	0.05	0.95	4.00	0.19	0.00	0.19	0.055	0.8082	0.016	2.14	6.50	N/A	0.19	0.00	
S-136A	689+10.00	51.00	LT	InltCurb2	0.26	0.95	4.00	0.97	0.00	0.97	0.020	0.3000	0.016	8.95	11.50	N/A	N/A	0.00	
S-136B	690+10.00	51.00	LT	InltCurb2	0.15	0.95	4.00	0.58	0.00	0.58	0.020	0.3000	0.016	7.36	11.50	N/A	N/A	0.00	
S-137A	689+10.00	51.00	RT	InltCurb2	0.25	0.95	4.00	0.95	0.00	0.95	0.020	0.3000	0.016	8.86	11.50	N/A	N/A	0.00	
S-137B	690+10.00	51.00	RT	InltCurb2	0.15	0.95	4.00	0.56	0.00	0.56	0.020	0.3000	0.016	7.25	11.50	N/A	N/A	0.00	
S-138B	692+10.00	51.00	LT	InltCurb2	0.15	0.95	4.00	0.56	0.00	0.56	0.020	0.3000	0.016	7.29	11.50	N/A	N/A	0.00	
S-138C	693+10.00	51.00	LT	InltCurb2	0.13	0.95	4.00	0.50	0.00	0.50	0.020	0.3000	0.016	6.96	11.50	N/A	N/A	0.00	
S-139A	692+10.00	51.00	RT	InltCurb2	0.15	0.95	4.00	0.57	0.00	0.57	0.020	0.3000	0.016	7.33	11.50	N/A	N/A	0.00	
S-139B	693+10.00	51.00	RT	InltCurb2	0.15	0.95	4.00	0.58	0.00	0.58	0.020	0.3000	0.016	7.37	11.50	N/A	N/A	0.00	
S-139C	694+10.00	51.00	RT	InltCurb2	0.15	0.95	4.00	0.58	0.00	0.58	0.020	0.3000	0.016	7.39	11.50	N/A	N/A	0.00	

Remarks:
HEC-12 is used for spread and bypass computations
All other computations done using GEOPAK Drainage
Remarks:

* FOR SUMP INLETS SEE GRAPH (WORST CASE CONDITION) NEXT PAGE

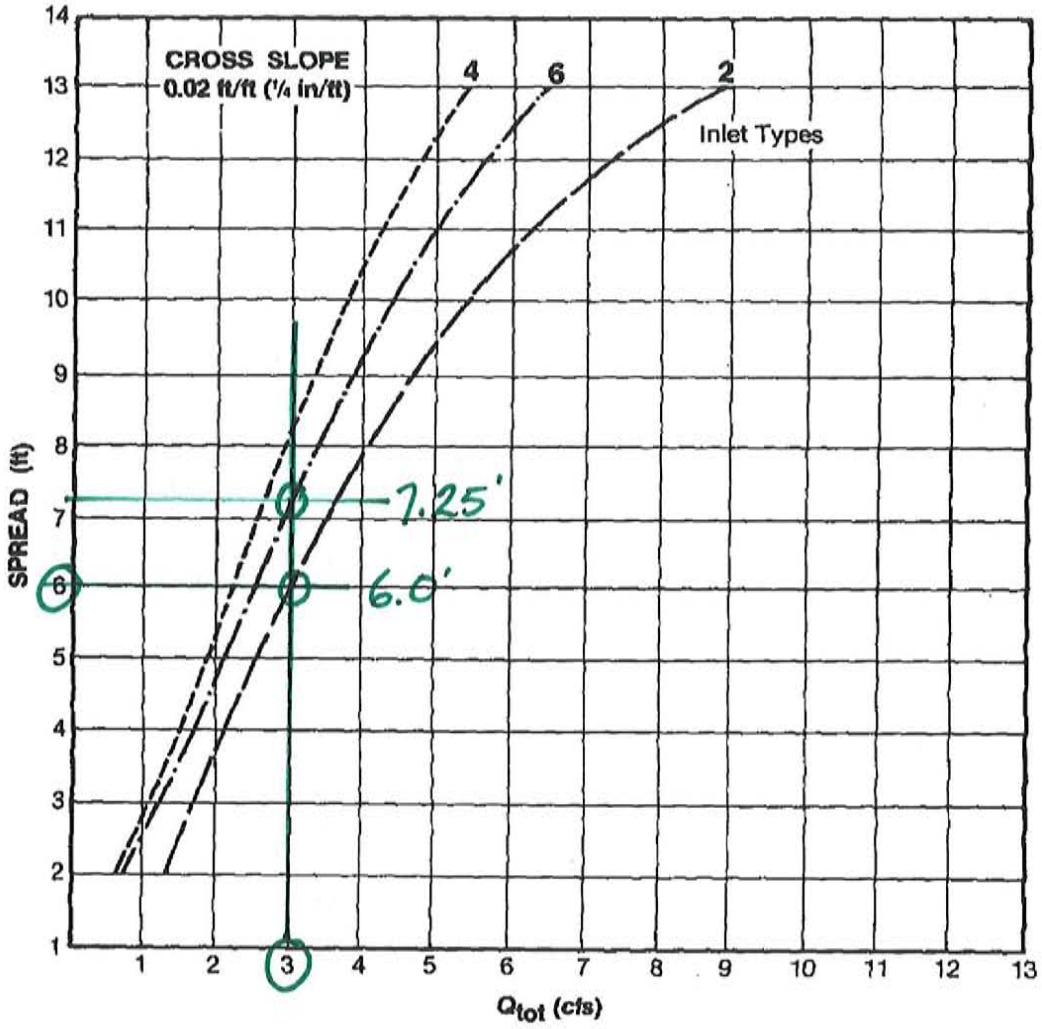

Figure A-17, Sump Conditions for Types 2, 4 & 6

S-113 is the SUMP INLET w/ the LARGEST FLOW of 3.04 cfs. No SPREAD THRESHOLD is EXCEEDED AT S-113, ∴ ALL OTHER SUMPS MEET SPREAD CRITERIA.