All Metal Roofing and Siding Parker, FL

Project Summary	
Title	All Metal Roofing and Siding Parker, FL
Engineer	Phillip Santora, P.E., P.L.S.
Company	Northstar Engineering Services
Date	2/14/2024

Notes	Pre-development and post-development storm water calculations for the 1-hour, 2-hour, 4-hour, 8-hour, and 24-hour 25-year and 100-year statistical storm events.

Table of Contents

	Master Network Summary	2
FDOT Zone 1		
	Time-Depth Curve, 25 years (25 year (1 hour))	6
	Time-Depth Curve, 100 years (100 year (1 hour))	7
	Time-Depth Curve, 25 years (25 year (24 hour))	8
	Time-Depth Curve, 100 years (100 year (24 hour))	9
	Time-Depth Curve, 25 years (25 year (2 hour))	10
	Time-Depth Curve, 100 years (100 year (2 hour))	11
	Time-Depth Curve, 25 years (25 year (4 hour))	12
	Time-Depth Curve, 100 years (100 year (4 hour))	13
	Time-Depth Curve, 25 years (25 year (8 hour))	14
	Time-Depth Curve, 100 years (100 year (8 hour))	15
Post Outfall		
	Time of Concentration Calculations, 25 years (25 year (1 hour))	16
	Time of Concentration Calculations, 100 years (100 year (1 hour))	18
Post to South		
	Time of Concentration Calculations, 25 years (25 year (1 hour))	20
	Time of Concentration Calculations, 100 years (100 year (1 hour))	22
Post to West		
	Time of Concentration Calculations, 25 years (25 year (1 hour))	24
	Time of Concentration Calculations, 100 years (100 year (1 hour))	26
Pre Development Area		
	Time of Concentration Calculations, 25 years (25 year (1 hour))	28
	Time of Concentration Calculations, 100 years (100 year (1 hour))	30
Post Outfall		
	Runoff CN-Area, 100 years (100 year (2 hour))	32
Post to South		
	Runoff CN-Area, 100 years (100 year (2 hour))	33
Post to West		
	Runoff CN-Area, 100 years (100 year (2 hour))	34
Pre Development Area		
	Runoff CN-Area, 100 years (100 year (2 hour))	35

Table of Contents

Unit Hydrograph Equations 36

Post Outfall

Unit Hydrograph Summary, 25 years (25 year (1 hour)) 38

Unit Hydrograph Summary, 25 years (25 year (2 hour)) 40

Unit Hydrograph Summary, 25 years (25 year (24 hour)) 42

Unit Hydrograph Summary, 25 years (25 year (4 hour)) 44

Unit Hydrograph Summary, 25 years (25 year (8 hour)) 46

Unit Hydrograph Summary, 100 years (100 year (1 hour)) 48

Unit Hydrograph Summary, 100 years (100 year (2 hour)) 50

Unit Hydrograph Summary, 100 years (100 year (24 hour)) 52

Unit Hydrograph Summary, 100 years (100 year (4 hour)) 54

Unit Hydrograph Summary, 100 years (100 year (8 hour)) 56

Post to South

Unit Hydrograph Summary, 25 years (25 year (1 hour)) 58

Unit Hydrograph Summary, 25 years (25 year (2 hour)) 60

Unit Hydrograph Summary, 25 years (25 year (24 hour)) 62

Unit Hydrograph Summary, 25 years (25 year (4 hour)) 64

Unit Hydrograph Summary, 25 years (25 year (8 hour)) 66

Unit Hydrograph Summary, 100 years (100 year (1 hour)) 68

Unit Hydrograph Summary, 100 years (100 year (2 hour)) 70

Unit Hydrograph Summary, 100 years (100 year (24 hour)) 72

Unit Hydrograph Summary, 100 years (100 year (4 hour)) 74

Unit Hydrograph Summary, 100 years (100 year (8 hour)) 76

Post to West

Unit Hydrograph Summary, 25 years (25 year (1 hour)) 78

Unit Hydrograph Summary, 25 years (25 year (2 hour)) 80

Unit Hydrograph Summary, 25 years (25 year (24 hour)) 82

Unit Hydrograph Summary, 25 years (25 year (4 hour)) 84

Unit Hydrograph Summary, 25 years (25 year (8 hour)) 86

Unit Hydrograph Summary, 100 years (100 year (1 hour)) 88

Unit Hydrograph Summary, 100 years (100 year (2 hour)) 90

Unit Hydrograph Summary, 100 years (100 year (24 hour)) 92

Unit Hydrograph Summary, 100 years (100 year (4 hour)) 94

Unit Hydrograph Summary, 100 years (100 year (8 hour)) 96

Table of Contents

Pre Development Area

Unit Hydrograph Summary, 25 years (25 year (1 hour)) 98
Unit Hydrograph Summary, 25 years (25 year (2 hour)) 100
Unit Hydrograph Summary, 25 years (25 year (24 hour)) 102
Unit Hydrograph Summary, 25 years (25 year (4 hour)) 104
Unit Hydrograph Summary, 25 years (25 year (8 hour)) 106
Unit Hydrograph Summary, 100 years (100 year (1 hour)) 108
Unit Hydrograph Summary, 100 years (100 year (2 hour)) 110
Unit Hydrograph Summary, 100 years (100 year (24 hour)) 112
Unit Hydrograph Summary, 100 years (100 year (4 hour)) 114
Unit Hydrograph Summary, 100 years (100 year (8 hour)) 116

Southern Pond

Elevation-Area Volume Curve, 100 years (100 year (2 hour)) 118
Volume Equations, 100 years (100 year (2 hour)) 119

Western Pond

Elevation-Area Volume Curve, 100 years (100 year (2 hour)) 120
Volume Equations, 100 years (100 year (2 hour)) 121

Composite Outlet Structure - 1

Outlet Input Data, 100 years (100 year (2 hour)) 122
Individual Outlet Curves, 100 years (100 year (2 hour)) 124
Composite Rating Curve, 100 years (100 year (2 hour)) 125

Composite Outlet Structure - 2

Outlet Input Data, 100 years (100 year (2 hour)) 126
Individual Outlet Curves, 100 years (100 year (2 hour)) 128
Composite Rating Curve, 100 years (100 year (2 hour)) 129

Outlet-1

Diverted Hydrograph, 25 years (25 year (1 hour)) 130
Diverted Hydrograph, 25 years (25 year (2 hour)) 131
Diverted Hydrograph, 25 years (25 year (24 hour)) 132
Diverted Hydrograph, 25 years (25 year (4 hour)) 134
Diverted Hydrograph, 25 years (25 year (8 hour)) 135
Diverted Hydrograph, 100 years (100 year (1 hour)) 136
Diverted Hydrograph, 100 years (100 year (2 hour)) 137
Diverted Hydrograph, 100 years (100 year (24 hour)) 138

Table of Contents

Diverted Hydrograph, 100 years (100 year (4 hour)) 141

Diverted Hydrograph, 100 years (100 year (8 hour)) 142

Outlet-2

Diverted Hydrograph, 25 years (25 year (1 hour)) 144

Diverted Hydrograph, 25 years (25 year (2 hour)) 145

Diverted Hydrograph, 25 years (25 year (24 hour)) 146

Diverted Hydrograph, 25 years (25 year (4 hour)) 147

Diverted Hydrograph, 25 years (25 year (8 hour)) 148

Diverted Hydrograph, 100 years (100 year (1 hour)) 149

Diverted Hydrograph, 100 years (100 year (2 hour)) 150

Diverted Hydrograph, 100 years (100 year (24 hour)) 151

Diverted Hydrograph, 100 years (100 year (4 hour)) 152

Diverted Hydrograph, 100 years (100 year (8 hour)) 153

All Metal Roofing and Siding Parker, FL

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)
Post to West	25 year (1 hour)	25	0.115	37.000	4.05
Post to West	25 year (2 hour)	25	0.191	49.000	4.02
Post to West	25 year (8 hour)	25	0.408	240.000	2.86
Post to West	25 year (24 hour)	25	0.637	720.000	0.94
Post to West	25 year (4 hour)	25	0.283	121.000	2.26
Post to West	100 year (2 hour)	100	0.283	48.000	5.84
Post to West	100 year (4 hour)	100	0.408	121.000	3.22
Post to West	100 year (8 hour)	100	0.575	240.000	3.89
Post to West	100 year (24 hour)	100	0.934	720.000	1.36
Post to West	100 year (1 hour)	100	0.173	37.000	5.85
Post to South	25 year (1 hour)	25	0.066	32.000	2.08
Post to South	25 year (2 hour)	25	0.097	48.000	1.84
Post to South	25 year (8 hour)	25	0.174	240.000	1.07
Post to South	25 year (24 hour)	25	0.250	720.000	0.35
Post to South	25 year (4 hour)	25	0.131	120.000	0.98
Post to South	100 year (2 hour)	100	0.131	48.000	2.42
Post to South	100 year (4 hour)	100	0.174	120.000	1.28
Post to South	100 year (8 hour)	100	0.230	240.000	1.37
Post to South	100 year (24 hour)	100	0.345	720.000	0.47
Post to South	100 year (1 hour)	100	0.090	32.000	2.76
Pre Development Area	25 year (1 hour)	25	0.331	37.000	11.24
Pre Development Area	25 year (2 hour)	25	0.529	48.000	10.93
Pre Development Area	25 year (8 hour)	25	1.075	240.000	7.31
Pre Development Area	25 year (24 hour)	25	1.640	720.000	2.39
Pre Development Area	25 year (4 hour)	25	0.764	121.000	6.04
Pre Development Area	100 year (2 hour)	100	0.764	48.000	15.39
Pre Development Area	100 year (4 hour)	100	1.075	120.000	8.39
Pre Development Area	100 year (8 hour)	100	1.487	240.000	9.77
Pre Development Area	100 year (24 hour)	100	2.362	720.000	3.38
Pre Development Area	100 year (1 hour)	100	0.483	36.000	15.72
Post Outfall	25 year (1 hour)	25	0.008	44.000	0.42
Post Outfall	25 year (2 hour)	25	0.033	50.000	0.49
Post Outfall	25 year (8 hour)	25	0.142	240.000	1.17
Post Outfall	25 year (24 hour)	25	0.292	720.000	0.42
Post Outfall	25 year (4 hour)	25	0.074	151.000	0.79
Post Outfall	100 year (2 hour)	100	0.074	49.000	1.49
Post Outfall	100 year (4 hour)	100	0.142	150.000	1.41
Post Outfall	100 year (8 hour)	100	0.248	240.000	2.01
Post Outfall	100 year (24 hour)	100	0.516	720.000	0.77
Post Outfall	100 year (1 hour)	100	0.026	43.000	1.11

Node Summary

All Metal Roofing and Siding Parker, FL

Subsection: Master Network Summary

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)
Pre Outfall	25 year (1 hour)	25	0.331	37.000	11.24
Pre Outfall	25 year (2 hour)	25	0.529	48.000	10.93
Pre Outfall	25 year (8 hour)	25	1.075	240.000	7.31
Pre Outfall	25 year (24 hour)	25	1.640	720.000	2.39
Pre Outfall	25 year (4 hour)	25	0.764	121.000	6.04
Pre Outfall	100 year (2 hour)	100	0.764	48.000	15.39
Pre Outfall	100 year (4 hour)	100	1.075	120.000	8.39
Pre Outfall	100 year (8 hour)	100	1.487	240.000	9.77
Pre Outfall	100 year (24 hour)	100	2.362	720.000	3.38
Pre Outfall	100 year (1 hour)	100	0.483	36.000	15.72
Post Outfall	25 year (1 hour)	25	0.042	45.000	2.65
Post Outfall	25 year (2 hour)	25	0.112	51.000	2.98
Post Outfall	25 year (8 hour)	25	0.338	240.000	4.25
Post Outfall	25 year (24 hour)	25	0.372	720.000	0.90
Post Outfall	25 year (4 hour)	25	0.226	151.000	2.99
Post Outfall	100 year (2 hour)	100	0.270	50.000	8.16
Post Outfall	100 year (4 hour)	100	0.443	150.000	4.65
Post Outfall	100 year (8 hour)	100	0.628	240.000	6.41
Post Outfall	100 year (24 hour)	100	0.801	720.000	1.66
Post Outfall	100 year (1 hour)	100	0.135	40.000	6.80

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Western Pond (IN)	25 year (1 hour)	25	0.115	37.000	4.05	(N/A)	(N/A)
Western Pond (OUT)	25 year (1 hour)	25	0.031	45.000	2.23	19.84	0.070
Western Pond (IN)	25 year (2 hour)	25	0.191	49.000	4.02	(N/A)	(N/A)
Western Pond (OUT)	25 year (2 hour)	25	0.071	52.000	2.53	19.85	0.071
Western Pond (IN)	25 year (8 hour)	25	0.408	240.000	2.86	(N/A)	(N/A)
Western Pond (OUT)	25 year (8 hour)	25	0.171	240.000	2.37	19.84	0.070
Western Pond (IN)	25 year (24 hour)	25	0.637	720.000	0.94	(N/A)	(N/A)
Western Pond (OUT)	25 year (24 hour)	25	0.081	720.000	0.48	19.77	0.066

All Metal Roofing and Siding Parker, FL

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Western Pond (IN)	25 year (4 hour)	25	0.283	121.000	2.26	(N/A)	(N/A)
Western Pond (OUT)	25 year (4 hour)	25	0.131	151.000	1.71	19.82	0.069
Western Pond (IN)	100 year (2 hour)	100	0.283	48.000	5.84	(N/A)	(N/A)
Western Pond (OUT)	100 year (2 hour)	100	0.159	50.000	5.12	19.95	0.077
Western Pond (IN)	100 year (4 hour)	100	0.408	121.000	3.22	(N/A)	(N/A)
Western Pond (OUT)	100 year (4 hour)	100	0.246	122.000	2.71	19.85	0.071
Western Pond (IN)	100 year (8 hour)	100	0.575	240.000	3.89	(N/A)	(N/A)
Western Pond (OUT)	100 year (8 hour)	100	0.315	240.000	3.38	19.88	0.073
Western Pond (IN)	100 year (24 hour)	100	0.934	720.000	1.36	(N/A)	(N/A)
Western Pond (OUT)	100 year (24 hour)	100	0.285	720.000	0.89	19.78	0.067
Western Pond (IN)	100 year (1 hour)	100	0.173	37.000	5.85	(N/A)	(N/A)
Western Pond (OUT)	100 year (1 hour)	100	0.086	39.000	4.69	19.93	0.076
Southern Pond (IN)	25 year (1 hour)	25	0.066	32.000	2.08	(N/A)	(N/A)
Southern Pond (OUT)	25 year (1 hour)	25	0.002	50.000	0.32	21.53	0.051
Southern Pond (IN)	25 year (2 hour)	25	0.097	48.000	1.84	(N/A)	(N/A)
Southern Pond (OUT)	25 year (2 hour)	25	0.008	62.000	0.38	21.53	0.051
Southern Pond (IN)	25 year (8 hour)	25	0.174	240.000	1.07	(N/A)	(N/A)
Southern Pond (OUT)	25 year (8 hour)	25	0.025	240.000	0.71	21.56	0.053
Southern Pond (IN)	25 year (24 hour)	25	0.250	720.000	0.35	(N/A)	(N/A)
Southern Pond (OUT)	25 year (24 hour)	25	0.000	0.000	0.00	20.89	0.025
Southern Pond (IN)	25 year (4 hour)	25	0.131	120.000	0.98	(N/A)	(N/A)
Southern Pond (OUT)	25 year (4 hour)	25	0.021	151.000	0.49	21.54	0.052

All Metal Roofing and Siding Parker, FL

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Southern Pond (IN)	100 year (2 hour)	100	0.131	48.000	2.42	(N/A)	(N/A)
Southern Pond (OUT)	100 year (2 hour)	100	0.037	51.000	1.59	21.64	0.057
Southern Pond (IN)	100 year (4 hour)	100	0.174	120.000	1.28	(N/A)	(N/A)
Southern Pond (OUT)	100 year (4 hour)	100	0.056	123.000	0.84	21.58	0.053
Southern Pond (IN)	100 year (8 hour)	100	0.230	240.000	1.37	(N/A)	(N/A)
Southern Pond (OUT)	100 year (8 hour)	100	0.065	240.000	1.01	21.59	0.054
Southern Pond (IN)	100 year (24 hour)	100	0.345	720.000	0.47	(N/A)	(N/A)
Southern Pond (OUT)	100 year (24 hour)	100	0.000	0.000	0.00	21.33	0.042
Southern Pond (IN)	100 year (1 hour)	100	0.090	32.000	2.76	(N/A)	(N/A)
Southern Pond (OUT)	100 year (1 hour)	100	0.023	43.000	1.33	21.62	0.056

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Time-Depth Curve: FDOT 1hr (3.7 in)	
Label	FDOT 1hr (3.7 in)
Start Time	0.000 min
Increment	6.000 min
End Time	60.000 min
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 6.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.1	0.3	0.7	1.5
30.000	2.3	3.0	3.4	3.6	3.7
60.000	3.7	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Time-Depth Curve: FDOT 1hr (4.6 in)	
Label	FDOT 1hr (4.6 in)
Start Time	0.000 min
Increment	6.000 min
End Time	60.000 min
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 6.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.1	0.4	0.9	1.9
30.000	2.8	3.7	4.2	4.5	4.5
60.000	4.6	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Time-Depth Curve: FDOT 24hr (10.1 in)	
Label	FDOT 24hr (10.1 in)
Start Time	0.000 min
Increment	60.000 min
End Time	1,440.000 min
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 60.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.1	0.3	0.6	0.9
300.000	1.2	1.6	2.0	2.4	3.0
600.000	3.6	4.4	5.5	6.2	6.8
900.000	7.4	7.9	8.3	8.7	9.1
1,200.000	9.4	9.7	9.9	10.0	10.1

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Time-Depth Curve: FDOT 24hr (13.3 in)	
Label	FDOT 24hr (13.3 in)
Start Time	0.000 min
Increment	60.000 min
End Time	1,440.000 min
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 60.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.1	0.4	0.8	1.2
300.000	1.6	2.1	2.7	3.2	4.0
600.000	4.8	5.9	7.2	8.1	8.9
900.000	9.7	10.4	10.9	11.4	12.0
1,200.000	12.4	12.8	13.0	13.2	13.3

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Time-Depth Curve: FDOT 2hr (4.8 in)	
Label	FDOT 2hr (4.8 in)
Start Time	0.000 min
Increment	12.000 min
End Time	120.000 min
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 12.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	1.2	2.2	3.4
60.000	3.8	4.1	4.4	4.6	4.7
120.000	4.8	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Time-Depth Curve: FDOT 2hr (6.0 in)	
Label	FDOT 2hr (6.0 in)
Start Time	0.000 min
Increment	12.000 min
End Time	120.000 min
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 12.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.1	1.5	2.7	4.2
60.000	4.8	5.2	5.5	5.7	5.9
120.000	6.0	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Time-Depth Curve: FDOT 4hr (6.0 in)	
Label	FDOT 4hr (6.0 in)
Start Time	0.000 min
Increment	30.000 min
End Time	240.000 min
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 30.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.2	0.8	1.9	3.5
150.000	4.7	5.6	5.9	6.0	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Time-Depth Curve: FDOT 4hr (7.5 in)	
Label	FDOT 4hr (7.5 in)
Start Time	0.000 min
Increment	30.000 min
End Time	240.000 min
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 30.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.3	1.1	2.4	4.4
150.000	5.9	7.0	7.4	7.5	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Time-Depth Curve: FDOT 8hr (7.5 in)	
Label	FDOT 8hr (7.5 in)
Start Time	0.000 min
Increment	60.000 min
End Time	480.000 min
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 60.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.2	1.0	2.1	5.3
300.000	6.5	6.9	7.3	7.5	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time-Depth Curve
Label: FDOT Zone 1
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Time-Depth Curve: FDOT 8hr (9.4 in)	
Label	FDOT 8hr (9.4 in)
Start Time	0.000 min
Increment	60.000 min
End Time	480.000 min
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 60.000 min
Time on left represents time for first value in each row.

Time (min)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.2	1.2	2.6	6.6
300.000	8.1	8.6	9.1	9.4	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post Outfall
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post Outfall
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post Outfall
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post Outfall
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to South
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to South
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to South
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to South
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to West
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to West
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Post to West
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Pre Development Area
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Pre Development Area
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Pre Development Area
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Time of Concentration Results

Segment #1: User Defined Tc	
Time of Concentration	5.000 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	5.000 min

All Metal Roofing and Siding Parker, FL

Subsection: Time of Concentration Calculations
Label: Pre Development Area
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

==== User Defined

Tc =	Value entered by user
Where:	Tc= Time of concentration, hours

All Metal Roofing and Siding Parker, FL

Subsection: Runoff CN-Area
Label: Post Outfall
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil A	98.000	0.089	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil A	39.000	1.218	0.0	0.0	39.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.308	(N/A)	(N/A)	43.025

All Metal Roofing and Siding Parker, FL

Subsection: Runoff CN-Area
Label: Post to South
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil A	98.000	0.286	0.0	0.0	98.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil A	39.000	0.078	0.0	0.0	39.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	0.364	(N/A)	(N/A)	85.357

All Metal Roofing and Siding Parker, FL

Subsection: Runoff CN-Area
Label: Post to West
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil A	98.000	0.626	0.0	0.0	98.000
Impervious Areas - Gravel (w/ right-of-way) - Soil A	76.000	0.034	0.0	0.0	76.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil A	39.000	0.553	0.0	0.0	39.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.212	(N/A)	(N/A)	70.483

All Metal Roofing and Siding Parker, FL

Subsection: Runoff CN-Area
Label: Pre Development Area
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Impervious Areas - Paved parking lots, roofs, driveways, Streets and roads - Soil A	98.000	1.670	0.0	0.0	98.000
Impervious Areas - Gravel (w/ right-of-way) - Soil A	76.000	0.070	0.0	0.0	76.000
Open space (Lawns,parks etc.) - Good condition; grass cover > 75% - Soil A	39.000	1.140	0.0	0.0	39.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	2.880	(N/A)	(N/A)	74.111

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

At	Total area (acres): At = Ai+Ap
Ai	Impervious area (acres)
Ap	Pervious area (acres)
CNi	Runoff curve number for impervious area
CNp	Runoff curve number for pervious area
fLoss	f loss constant infiltration (depth/time)
gKs	Saturated Hydraulic Conductivity (depth/time)
Md	Volumetric Moisture Deficit
Psi	Capillary Suction (length)
hK	Horton Infiltration Decay Rate (time^-1)
fo	Initial Infiltration Rate (depth/time)
fc	Ultimate(capacity)Infiltration Rate (depth/time)
Ia	Initial Abstraction (length)
dt	Computational increment (duration of unit excess rainfall) Default dt is smallest value of 0.1333Tc, rtm, and th (Smallest dt is then adjusted to match up with Tp)
UDdt	User specified override computational main time increment (only used if UDdt is => .1333Tc)
D(t)	Point on distribution curve (fraction of P) for time step t
K	2 / (1 + (Tr/Tp)): default K = 0.75: (for Tr/Tp = 1.67)
Ks	Hydrograph shape factor = Unit Conversions * K: = ((1hr/3600sec) * (1ft/12in) * ((5280ft)**2/sq.mi)) * K Default Ks = 645.333 * 0.75 = 484
Lag	Lag time from center of excess runoff (dt) to Tp: Lag = 0.6Tc
P	Total precipitation depth, inches
Pa(t)	Accumulated rainfall at time step t
Pi(t)	Incremental rainfall at time step t
qp	Peak discharge (cfs) for 1in. runoff, for 1hr, for 1 sq.mi. = (Ks * A * Q) / Tp (where Q = 1in. runoff, A=sq.mi.)
Qu(t)	Unit hydrograph ordinate (cfs) at time step t
Q(t)	Final hydrograph ordinate (cfs) at time step t
Rai(t)	Accumulated runoff (inches) at time step t for impervious area
Rap(t)	Accumulated runoff (inches) at time step t for pervious area
Rii(t)	Incremental runoff (inches) at time step t for impervious area
Rip(t)	Incremental runoff (inches) at time step t for pervious area
R(t)	Incremental weighted total runoff (inches)
Rtm	Time increment for rainfall table
Si	S for impervious area: Si = (1000/CNi) - 10
Sp	S for pervious area: Sp = (1000/CNp) - 10
t	Time step (row) number
Tc	Time of concentration
Tb	Time (hrs) of entire unit hydrograph: Tb = Tp + Tr
Tp	Time (hrs) to peak of a unit hydrograph: Tp = (dt/2) + Lag
Tr	Time (hrs) of receding limb of unit hydrograph: Tr = ratio of Tp

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method
Computational Notes
Precipitation

Column (1)	Time for time step t
Column (2)	D(t) = Point on distribution curve for time step t
Column (3)	Pi(t) = Pa(t) - Pa(t-1): Col.(4) - Preceding Col.(4)
Column (4)	Pa(t) = D(t) x P: Col.(2) x P

Pervious Area Runoff (using SCS Runoff CN Method)

Column (5)	Rap(t) = Accumulated pervious runoff for time step t
	If (Pa(t) is <= 0.2Sp) then use: Rap(t) = 0.0
	If (Pa(t) is > 0.2Sp) then use:
	
	Rap(t) = (Col.(4)-0.2Sp)**2 / (Col.(4)+0.8Sp)

Column (6)	Rip(t) = Incremental pervious runoff for time step t Rip(t) = Rap(t) - Rap(t-1) Rip(t) = Col.(5) for current row - Col.(5) for preceding row.

Impervious Area Runoff

Column (7 & 8)...	Did not specify to use impervious areas.

Incremental Weighted Runoff

Column (9)	R(t) = (Ap/At) x Rip(t) + (Ai/At) x Rii(t) R(t) = (Ap/At) x Col.(6) + (Ai/At) x Col.(8)

SCS Unit Hydrograph Method

Column (10)	Q(t) is computed with the SCS unit hydrograph method using R(t) and Qu(t).

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Storm Event	FDOT 1hr (3.7 in)
Return Event	25 years
Duration	1,440.000 min
Depth	3.7 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	44.000 min
Flow (Peak, Computed)	0.42 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	44.000 min
Flow (Peak Interpolated Output)	0.42 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	0.1 in
Runoff Volume (Pervious)	0.008 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.008 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Storm Event	FDOT 2hr (4.8 in)
Return Event	25 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	50.000 min
Flow (Peak, Computed)	0.49 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	50.000 min
Flow (Peak Interpolated Output)	0.49 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	0.3 in
Runoff Volume (Pervious)	0.033 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.033 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Storm Event	FDOT 24hr (10.1 in)
Return Event	25 years
Duration	1,440.000 min
Depth	10.1 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	0.42 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	0.42 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.7 in
Runoff Volume (Pervious)	0.292 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.292 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	17.78 ft^3/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Storm Event	FDOT 4hr (6.0 in)
Return Event	25 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	150.667 min
Flow (Peak, Computed)	0.79 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	151.000 min
Flow (Peak Interpolated Output)	0.79 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	0.7 in
Runoff Volume (Pervious)	0.074 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.074 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Storm Event	FDOT 8hr (7.5 in)
Return Event	25 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.667 min
Flow (Peak, Computed)	1.17 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	1.17 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.3 in
Runoff Volume (Pervious)	0.141 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.142 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Storm Event	FDOT 1hr (4.6 in)
Return Event	100 years
Duration	1,440.000 min
Depth	4.6 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	43.333 min
Flow (Peak, Computed)	1.11 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	43.000 min
Flow (Peak Interpolated Output)	1.11 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	0.2 in
Runoff Volume (Pervious)	0.026 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.026 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Storm Event	FDOT 2hr (6.0 in)
Return Event	100 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	49.333 min
Flow (Peak, Computed)	1.51 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	49.000 min
Flow (Peak Interpolated Output)	1.49 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	0.7 in
Runoff Volume (Pervious)	0.074 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.074 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Storm Event	FDOT 24hr (13.3 in)
Return Event	100 years
Duration	1,440.000 min
Depth	13.3 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	0.77 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	0.77 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.7 in
Runoff Volume (Pervious)	0.517 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.516 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	17.78 ft^3/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Storm Event	FDOT 4hr (7.5 in)
Return Event	100 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	150.667 min
Flow (Peak, Computed)	1.42 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	150.000 min
Flow (Peak Interpolated Output)	1.41 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.3 in
Runoff Volume (Pervious)	0.141 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.142 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Storm Event	FDOT 8hr (9.4 in)
Return Event	100 years
Duration	1,440.000 min
Depth	9.4 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.308 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	2.01 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	2.01 ft³/s

Drainage Area	
SCS CN (Composite)	43.000
Area (User Defined)	1.308 acres
Maximum Retention (Pervious)	13.3 in
Maximum Retention (Pervious, 20 percent)	2.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.3 in
Runoff Volume (Pervious)	0.248 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.248 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post Outfall
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	17.78 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Storm Event	FDOT 1hr (3.7 in)
Return Event	25 years
Duration	1,440.000 min
Depth	3.7 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	32.000 min
Flow (Peak, Computed)	2.08 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	32.000 min
Flow (Peak Interpolated Output)	2.08 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.2 in
Runoff Volume (Pervious)	0.066 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.066 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Storm Event	FDOT 2hr (4.8 in)
Return Event	25 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.000 min
Flow (Peak, Computed)	1.84 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	48.000 min
Flow (Peak Interpolated Output)	1.84 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.2 in
Runoff Volume (Pervious)	0.097 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.097 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Storm Event	FDOT 24hr (10.1 in)
Return Event	25 years
Duration	1,440.000 min
Depth	10.1 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	0.35 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	0.35 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	8.3 in
Runoff Volume (Pervious)	0.250 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.250 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	4.95 ft^3/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Storm Event	FDOT 4hr (6.0 in)
Return Event	25 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.000 min
Flow (Peak, Computed)	0.98 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	120.000 min
Flow (Peak Interpolated Output)	0.98 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.3 in
Runoff Volume (Pervious)	0.131 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.131 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Storm Event	FDOT 8hr (7.5 in)
Return Event	25 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	1.07 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	1.07 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.7 in
Runoff Volume (Pervious)	0.174 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.174 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Storm Event	FDOT 1hr (4.6 in)
Return Event	100 years
Duration	1,440.000 min
Depth	4.6 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	31.333 min
Flow (Peak, Computed)	2.77 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	32.000 min
Flow (Peak Interpolated Output)	2.76 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.0 in
Runoff Volume (Pervious)	0.090 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.090 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Storm Event	FDOT 2hr (6.0 in)
Return Event	100 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.000 min
Flow (Peak, Computed)	2.42 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	48.000 min
Flow (Peak Interpolated Output)	2.42 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.3 in
Runoff Volume (Pervious)	0.131 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.131 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Storm Event	FDOT 24hr (13.3 in)
Return Event	100 years
Duration	1,440.000 min
Depth	13.3 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	0.47 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	0.47 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	11.4 in
Runoff Volume (Pervious)	0.346 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.345 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Storm Event	FDOT 4hr (7.5 in)
Return Event	100 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.000 min
Flow (Peak, Computed)	1.28 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	120.000 min
Flow (Peak Interpolated Output)	1.28 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.7 in
Runoff Volume (Pervious)	0.174 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.174 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Storm Event	FDOT 8hr (9.4 in)
Return Event	100 years
Duration	1,440.000 min
Depth	9.4 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	0.364 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	1.37 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	1.37 ft³/s

Drainage Area	
SCS CN (Composite)	85.000
Area (User Defined)	0.364 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	7.6 in
Runoff Volume (Pervious)	0.230 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.230 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to South
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	4.95 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Storm Event	FDOT 1hr (3.7 in)
Return Event	25 years
Duration	1,440.000 min
Depth	3.7 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	37.333 min
Flow (Peak, Computed)	4.05 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	37.000 min
Flow (Peak Interpolated Output)	4.05 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.1 in
Runoff Volume (Pervious)	0.115 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.115 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Storm Event	FDOT 2hr (4.8 in)
Return Event	25 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.667 min
Flow (Peak, Computed)	4.05 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	49.000 min
Flow (Peak Interpolated Output)	4.02 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.9 in
Runoff Volume (Pervious)	0.191 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.191 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Storm Event	FDOT 24hr (10.1 in)
Return Event	25 years
Duration	1,440.000 min
Depth	10.1 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	0.94 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	0.94 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	6.3 in
Runoff Volume (Pervious)	0.638 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.637 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	16.48 ft^3/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Storm Event	FDOT 4hr (6.0 in)
Return Event	25 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.667 min
Flow (Peak, Computed)	2.26 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	121.000 min
Flow (Peak Interpolated Output)	2.26 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.8 in
Runoff Volume (Pervious)	0.283 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.283 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Storm Event	FDOT 8hr (7.5 in)
Return Event	25 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	2.86 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	2.86 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.0 in
Runoff Volume (Pervious)	0.408 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.408 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Storm Event	FDOT 1hr (4.6 in)
Return Event	100 years
Duration	1,440.000 min
Depth	4.6 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	36.667 min
Flow (Peak, Computed)	5.87 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	37.000 min
Flow (Peak Interpolated Output)	5.85 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.7 in
Runoff Volume (Pervious)	0.173 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.173 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Storm Event	FDOT 2hr (6.0 in)
Return Event	100 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.667 min
Flow (Peak, Computed)	5.86 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	48.000 min
Flow (Peak Interpolated Output)	5.84 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.8 in
Runoff Volume (Pervious)	0.283 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.283 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Storm Event	FDOT 24hr (13.3 in)
Return Event	100 years
Duration	1,440.000 min
Depth	13.3 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	1.36 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	1.36 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	9.3 in
Runoff Volume (Pervious)	0.935 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.934 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Storm Event	FDOT 4hr (7.5 in)
Return Event	100 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.667 min
Flow (Peak, Computed)	3.23 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	121.000 min
Flow (Peak Interpolated Output)	3.22 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.0 in
Runoff Volume (Pervious)	0.408 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.408 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Storm Event	FDOT 8hr (9.4 in)
Return Event	100 years
Duration	1,440.000 min
Depth	9.4 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	1.212 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	3.89 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	3.89 ft³/s

Drainage Area	
SCS CN (Composite)	70.000
Area (User Defined)	1.212 acres
Maximum Retention (Pervious)	4.3 in
Maximum Retention (Pervious, 20 percent)	0.9 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	5.7 in
Runoff Volume (Pervious)	0.575 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.575 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Post to West
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	16.48 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Storm Event	FDOT 1hr (3.7 in)
Return Event	25 years
Duration	1,440.000 min
Depth	3.7 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	36.667 min
Flow (Peak, Computed)	11.27 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	37.000 min
Flow (Peak Interpolated Output)	11.24 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	1.4 in
Runoff Volume (Pervious)	0.331 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.331 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Storm Event	FDOT 2hr (4.8 in)
Return Event	25 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.667 min
Flow (Peak, Computed)	10.97 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	48.000 min
Flow (Peak Interpolated Output)	10.93 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.2 in
Runoff Volume (Pervious)	0.529 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.529 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Storm Event	FDOT 24hr (10.1 in)
Return Event	25 years
Duration	1,440.000 min
Depth	10.1 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	2.39 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	2.39 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	6.8 in
Runoff Volume (Pervious)	1.642 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	1.640 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Storm Event	FDOT 4hr (6.0 in)
Return Event	25 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.667 min
Flow (Peak, Computed)	6.05 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	121.000 min
Flow (Peak Interpolated Output)	6.04 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.2 in
Runoff Volume (Pervious)	0.764 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.764 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Storm Event	FDOT 8hr (7.5 in)
Return Event	25 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	7.31 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	7.31 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.5 in
Runoff Volume (Pervious)	1.075 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	1.075 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Storm Event	FDOT 1hr (4.6 in)
Return Event	100 years
Duration	1,440.000 min
Depth	4.6 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	36.667 min
Flow (Peak, Computed)	15.78 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	36.000 min
Flow (Peak Interpolated Output)	15.72 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	2.0 in
Runoff Volume (Pervious)	0.483 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.483 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Storm Event	FDOT 2hr (6.0 in)
Return Event	100 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	48.667 min
Flow (Peak, Computed)	15.41 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	48.000 min
Flow (Peak Interpolated Output)	15.39 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	3.2 in
Runoff Volume (Pervious)	0.764 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	0.764 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Storm Event	FDOT 24hr (13.3 in)
Return Event	100 years
Duration	1,440.000 min
Depth	13.3 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	720.000 min
Flow (Peak, Computed)	3.38 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	720.000 min
Flow (Peak Interpolated Output)	3.38 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	9.9 in
Runoff Volume (Pervious)	2.364 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	2.362 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

SCS Unit Hydrograph Parameters	
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Storm Event	FDOT 4hr (7.5 in)
Return Event	100 years
Duration	1,440.000 min
Depth	7.5 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	120.667 min
Flow (Peak, Computed)	8.40 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	120.000 min
Flow (Peak Interpolated Output)	8.39 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	4.5 in
Runoff Volume (Pervious)	1.075 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	1.075 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Storm Event	FDOT 8hr (9.4 in)
Return Event	100 years
Duration	1,440.000 min
Depth	9.4 in
Time of Concentration (Composite)	5.000 min
Area (User Defined)	2.880 acres

Computational Time Increment	0.667 min
Time to Peak (Computed)	240.000 min
Flow (Peak, Computed)	9.77 ft³/s
Output Increment	1.000 min
Time to Flow (Peak Interpolated Output)	240.000 min
Flow (Peak Interpolated Output)	9.77 ft³/s

Drainage Area	
SCS CN (Composite)	74.000
Area (User Defined)	2.880 acres
Maximum Retention (Pervious)	3.5 in
Maximum Retention (Pervious, 20 percent)	0.7 in

Cumulative Runoff	
Cumulative Runoff Depth (Pervious)	6.2 in
Runoff Volume (Pervious)	1.487 ac-ft

Hydrograph Volume (Area under Hydrograph curve)	
Volume	1.487 ac-ft

SCS Unit Hydrograph Parameters	
Time of Concentration (Composite)	5.000 min
Computational Time Increment	0.667 min
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670

All Metal Roofing and Siding Parker, FL

Subsection: Unit Hydrograph Summary
Label: Pre Development Area
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

SCS Unit Hydrograph Parameters	
Unit peak, qp	39.16 ft³/s
Unit peak time, Tp	3.333 min
Unit receding limb, Tr	13.333 min
Total unit time, Tb	16.667 min

All Metal Roofing and Siding Parker, FL

Subsection: Elevation-Area Volume Curve
Label: Southern Pond
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Elevation (ft)	Planimeter (ft^2)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
19.33	0.0	0.000	0.000	0.000	0.000
20.00	0.0	0.015	0.015	0.003	0.003
21.00	0.0	0.038	0.077	0.026	0.029
21.75	0.0	0.050	0.132	0.033	0.062

Pond Volume Equations

*** Incremental volume computed by the Conic Method for Reservoir Volumes.**

Volume = (1/3) * (EL2 - El1) * (Area1 + Area2 + sqr(Area1 * Area2))

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

All Metal Roofing and Siding Parker, FL

Subsection: Elevation-Area Volume Curve
Label: Western Pond
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Elevation (ft)	Planimeter (ft²)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume (Total) (ac-ft)
18.00	0.0	0.019	0.000	0.000	0.000
19.00	0.0	0.039	0.084	0.028	0.028
20.00	0.0	0.068	0.158	0.053	0.081

Pond Volume Equations

*** Incremental volume computed by the Conic Method for Reservoir Volumes.**

Volume = (1/3) * (EL2 - El1) * (Area1 + Area2 + sqr(Area1 * Area2))

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

All Metal Roofing and Siding Parker, FL

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 1
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Requested Pond Water Surface Elevations	
Minimum (Headwater)	18.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	20.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	19.75	20.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Structure ID: Weir - 1
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
0.00	0.25
2.00	0.00
18.00	0.00
20.00	0.25

Lowest Elevation	19.75 ft
Weir Coefficient	3.00 (ft^0.5)/s

Structure ID: TW
Structure Type: TW Setup, DS Channel

Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

All Metal Roofing and Siding Parker, FL

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 1
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 1 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
18.00	0.00	(N/A)	0.00
18.50	0.00	(N/A)	0.00
19.00	0.00	(N/A)	0.00
19.50	0.00	(N/A)	0.00
19.75	0.00	(N/A)	0.00
20.00	6.53	(N/A)	0.00

Computation Messages
E < Y min=19.75
E < Y min=19.75
E < Y min=19.75
E < Y min=19.75
E = Y min=19.75
Max.H=.25; Max.Htw=free out;; W(ft)=20.00

All Metal Roofing and Siding Parker, FL

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 1
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
18.00	0.00	(N/A)	0.00
18.50	0.00	(N/A)	0.00
19.00	0.00	(N/A)	0.00
19.50	0.00	(N/A)	0.00
19.75	0.00	(N/A)	0.00
20.00	6.53	(N/A)	0.00

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 1
Weir - 1

All Metal Roofing and Siding Parker, FL

Subsection: Outlet Input Data
Label: Composite Outlet Structure - 2
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Requested Pond Water Surface Elevations	
Minimum (Headwater)	19.33 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	21.75 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 2	Forward	TW	21.50	21.75
Tailwater Settings	Tailwater			(N/A)	(N/A)

Structure ID: Weir - 2
Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
0.00	0.25
2.00	0.00
8.00	0.00
10.00	0.25

Lowest Elevation	21.50 ft
Weir Coefficient	3.00 (ft^0.5)/s

Structure ID: TW
Structure Type: TW Setup, DS Channel

Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

All Metal Roofing and Siding Parker, FL

Subsection: Individual Outlet Curves
Label: Composite Outlet Structure - 2
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Weir - 2 (Irregular Weir)

Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
19.33	0.00	(N/A)	0.00
19.83	0.00	(N/A)	0.00
20.33	0.00	(N/A)	0.00
20.83	0.00	(N/A)	0.00
21.33	0.00	(N/A)	0.00
21.50	0.00	(N/A)	0.00
21.75	2.78	(N/A)	0.00

Computation Messages
E < Y min=21.50
E < Y min=21.50
E < Y min=21.50
E < Y min=21.50
E < Y min=21.50
E = Y min=21.50
Max.H=.25;
Max.Htw=free out;;
W(ft)=10.00

All Metal Roofing and Siding Parker, FL

Subsection: Composite Rating Curve
Label: Composite Outlet Structure - 2
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
19.33	0.00	(N/A)	0.00
19.83	0.00	(N/A)	0.00
20.33	0.00	(N/A)	0.00
20.83	0.00	(N/A)	0.00
21.33	0.00	(N/A)	0.00
21.50	0.00	(N/A)	0.00
21.75	2.78	(N/A)	0.00

Contributing Structures
None Contributing
None Contributing
None Contributing
None Contributing
None Contributing
Weir - 2
Weir - 2

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Peak Discharge	2.23 ft³/s
Time to Peak	45.000 min
Hydrograph Volume	0.031 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
40.000	0.00	0.81	1.63	2.04	2.22
45.000	2.23	2.13	2.00	1.86	1.74
50.000	1.60	1.38	1.09	0.79	0.52
55.000	0.31	0.15	0.03	0.00	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Peak Discharge	2.53 ft³/s
Time to Peak	52.000 min
Hydrograph Volume	0.071 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
48.000	0.00	1.00	2.07	2.51	2.53
53.000	2.35	2.11	1.90	1.74	1.62
58.000	1.54	1.49	1.46	1.43	1.40
63.000	1.32	1.21	1.09	0.98	0.90
68.000	0.84	0.79	0.77	0.75	0.74
73.000	0.73	0.72	0.70	0.67	0.64
78.000	0.61	0.59	0.58	0.57	0.56
83.000	0.56	0.56	0.56	0.55	0.53
88.000	0.50	0.47	0.44	0.42	0.40
93.000	0.39	0.38	0.38	0.38	0.37
98.000	0.37	0.35	0.32	0.28	0.25
103.000	0.23	0.21	0.20	0.19	0.19
108.000	0.18	0.18	0.17	0.15	0.12
113.000	0.08	0.05	0.03	0.01	0.00

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Peak Discharge	0.48 ft³/s
Time to Peak	720.000 min
Hydrograph Volume	0.081 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
674.000	0.00	0.03	0.20	0.30	0.36
679.000	0.39	0.41	0.42	0.43	0.43
684.000	0.44	0.44	0.44	0.44	0.44
689.000	0.44	0.45	0.45	0.45	0.45
694.000	0.45	0.45	0.45	0.46	0.46
699.000	0.46	0.46	0.46	0.46	0.46
704.000	0.46	0.47	0.47	0.47	0.47
709.000	0.47	0.47	0.47	0.47	0.47
714.000	0.48	0.48	0.48	0.48	0.48
719.000	0.48	0.48	0.48	0.47	0.45
724.000	0.40	0.36	0.32	0.28	0.26
729.000	0.24	0.23	0.23	0.22	0.22
734.000	0.22	0.21	0.21	0.21	0.21
739.000	0.21	0.22	0.22	0.22	0.22
744.000	0.22	0.22	0.22	0.22	0.22
749.000	0.22	0.22	0.22	0.22	0.22
754.000	0.22	0.22	0.22	0.22	0.22
759.000	0.22	0.22	0.23	0.23	0.23
764.000	0.23	0.23	0.23	0.23	0.23
769.000	0.23	0.23	0.23	0.23	0.23
774.000	0.23	0.23	0.23	0.23	0.23
779.000	0.23	0.23	0.23	0.23	0.22
784.000	0.21	0.19	0.18	0.17	0.16
789.000	0.15	0.15	0.14	0.14	0.14
794.000	0.14	0.14	0.14	0.14	0.14
799.000	0.14	0.14	0.14	0.14	0.14
804.000	0.14	0.14	0.14	0.14	0.14
809.000	0.15	0.15	0.15	0.15	0.15
814.000	0.15	0.15	0.15	0.15	0.15
819.000	0.15	0.15	0.15	0.15	0.15
824.000	0.15	0.15	0.15	0.15	0.15
829.000	0.15	0.15	0.15	0.15	0.15
834.000	0.15	0.15	0.15	0.15	0.15
839.000	0.15	0.15	0.15	0.15	0.15
844.000	0.15	0.15	0.16	0.16	0.16
849.000	0.16	0.16	0.16	0.16	0.16
854.000	0.16	0.16	0.16	0.16	0.16

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
859.000	0.16	0.16	0.16	0.16	0.16
864.000	0.16	0.16	0.16	0.16	0.16
869.000	0.16	0.16	0.16	0.16	0.16
874.000	0.16	0.16	0.16	0.16	0.16
879.000	0.16	0.16	0.16	0.16	0.16
884.000	0.16	0.16	0.16	0.17	0.17
889.000	0.17	0.17	0.17	0.17	0.17
894.000	0.17	0.17	0.17	0.17	0.17
899.000	0.17	0.17	0.17	0.16	0.15
904.000	0.14	0.12	0.11	0.09	0.09
909.000	0.08	0.08	0.07	0.07	0.07
914.000	0.07	0.07	0.07	0.07	0.07
919.000	0.07	0.07	0.07	0.07	0.07
924.000	0.07	0.07	0.07	0.07	0.07
929.000	0.07	0.07	0.07	0.07	0.07
934.000	0.07	0.07	0.07	0.07	0.07
939.000	0.07	0.07	0.07	0.07	0.07
944.000	0.07	0.07	0.07	0.07	0.07
949.000	0.07	0.07	0.07	0.07	0.07
954.000	0.07	0.07	0.07	0.07	0.07
959.000	0.07	0.07	0.07	0.07	0.06
964.000	0.04	0.03	0.01	0.00	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Peak Discharge	1.71 ft³/s
Time to Peak	151.000 min
Hydrograph Volume	0.131 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
117.000	0.00	0.39	0.99	1.34	1.54
122.000	1.64	1.68	1.66	1.62	1.59
127.000	1.55	1.53	1.52	1.52	1.52
132.000	1.53	1.53	1.54	1.55	1.56
137.000	1.57	1.59	1.60	1.61	1.62
142.000	1.63	1.64	1.65	1.66	1.67
147.000	1.68	1.69	1.70	1.71	1.71
152.000	1.69	1.63	1.53	1.41	1.31
157.000	1.23	1.17	1.13	1.10	1.08
162.000	1.07	1.07	1.07	1.06	1.07
167.000	1.07	1.07	1.07	1.08	1.08
172.000	1.08	1.09	1.09	1.09	1.10
177.000	1.10	1.10	1.10	1.11	1.10
182.000	1.06	0.97	0.82	0.66	0.51
187.000	0.39	0.30	0.24	0.20	0.17
192.000	0.15	0.14	0.13	0.12	0.12
197.000	0.12	0.12	0.12	0.12	0.12
202.000	0.12	0.12	0.12	0.12	0.12
207.000	0.12	0.12	0.12	0.12	0.12
212.000	0.11	0.07	0.02	0.00	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Peak Discharge	2.37 ft³/s
Time to Peak	240.000 min
Hydrograph Volume	0.171 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
205.000	0.00	0.32	0.98	1.36	1.58
210.000	1.71	1.80	1.85	1.89	1.93
215.000	1.95	1.98	2.00	2.02	2.04
220.000	2.06	2.08	2.10	2.11	2.13
225.000	2.15	2.16	2.18	2.20	2.21
230.000	2.23	2.24	2.26	2.27	2.29
235.000	2.30	2.31	2.33	2.34	2.35
240.000	2.37	2.36	2.30	2.14	1.89
245.000	1.60	1.34	1.13	0.98	0.87
250.000	0.80	0.75	0.72	0.70	0.69
255.000	0.68	0.67	0.67	0.67	0.67
260.000	0.67	0.67	0.68	0.68	0.68
265.000	0.68	0.68	0.68	0.68	0.68
270.000	0.69	0.69	0.69	0.69	0.69
275.000	0.69	0.69	0.70	0.70	0.70
280.000	0.70	0.70	0.70	0.70	0.70
285.000	0.71	0.71	0.71	0.71	0.71
290.000	0.71	0.71	0.71	0.72	0.72
295.000	0.72	0.72	0.72	0.72	0.72
300.000	0.72	0.72	0.69	0.62	0.51
305.000	0.39	0.28	0.19	0.13	0.08
310.000	0.05	0.03	0.02	0.01	0.00
315.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Peak Discharge	4.69 ft³/s
Time to Peak	39.000 min
Hydrograph Volume	0.086 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
34.000	0.00	0.61	2.67	3.85	4.47
39.000	4.69	4.63	4.43	4.21	4.02
44.000	3.83	3.60	3.32	3.05	2.81
49.000	2.62	2.40	2.08	1.68	1.26
54.000	0.89	0.60	0.38	0.21	0.08
59.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Peak Discharge	5.12 ft³/s
Time to Peak	50.000 min
Hydrograph Volume	0.159 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
42.000	0.00	1.74	3.04	3.84	4.36
47.000	4.71	4.96	5.12	5.12	4.89
52.000	4.43	3.90	3.40	3.01	2.72
57.000	2.52	2.38	2.30	2.24	2.20
62.000	2.15	2.04	1.88	1.71	1.55
67.000	1.43	1.34	1.28	1.24	1.22
72.000	1.20	1.19	1.17	1.15	1.11
77.000	1.06	1.02	0.99	0.97	0.96
82.000	0.95	0.94	0.94	0.94	0.93
87.000	0.90	0.86	0.82	0.77	0.74
92.000	0.72	0.71	0.70	0.69	0.68
97.000	0.68	0.67	0.64	0.60	0.55
102.000	0.51	0.48	0.45	0.44	0.43
107.000	0.42	0.41	0.41	0.40	0.37
112.000	0.33	0.28	0.24	0.20	0.18
117.000	0.16	0.15	0.14	0.14	0.13
122.000	0.10	0.04	0.00	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Peak Discharge	0.89 ft³/s
Time to Peak	720.000 min
Hydrograph Volume	0.285 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
591.000	0.00	0.04	0.13	0.18	0.21
596.000	0.23	0.24	0.24	0.25	0.25
601.000	0.25	0.26	0.29	0.32	0.36
606.000	0.40	0.43	0.45	0.47	0.48
611.000	0.48	0.49	0.49	0.50	0.50
616.000	0.50	0.50	0.51	0.51	0.51
621.000	0.51	0.51	0.51	0.51	0.52
626.000	0.52	0.52	0.52	0.52	0.52
631.000	0.52	0.53	0.53	0.53	0.53
636.000	0.53	0.53	0.53	0.53	0.54
641.000	0.54	0.54	0.54	0.54	0.54
646.000	0.54	0.54	0.54	0.55	0.55
651.000	0.55	0.55	0.55	0.55	0.55
656.000	0.55	0.56	0.56	0.56	0.56
661.000	0.56	0.57	0.60	0.64	0.68
666.000	0.72	0.75	0.78	0.79	0.80
671.000	0.81	0.82	0.82	0.83	0.83
676.000	0.83	0.84	0.84	0.84	0.84
681.000	0.84	0.84	0.84	0.85	0.85
686.000	0.85	0.85	0.85	0.85	0.85
691.000	0.86	0.86	0.86	0.86	0.86
696.000	0.86	0.86	0.87	0.87	0.87
701.000	0.87	0.87	0.87	0.87	0.87
706.000	0.88	0.88	0.88	0.88	0.88
711.000	0.88	0.88	0.88	0.89	0.89
716.000	0.89	0.89	0.89	0.89	0.89
721.000	0.89	0.87	0.84	0.78	0.71
726.000	0.65	0.60	0.57	0.55	0.53
731.000	0.52	0.51	0.51	0.50	0.50
736.000	0.50	0.50	0.50	0.50	0.50
741.000	0.50	0.50	0.50	0.50	0.50
746.000	0.50	0.51	0.51	0.51	0.51
751.000	0.51	0.51	0.51	0.51	0.51
756.000	0.51	0.51	0.51	0.51	0.51
761.000	0.51	0.51	0.51	0.51	0.51
766.000	0.51	0.51	0.52	0.52	0.52
771.000	0.52	0.52	0.52	0.52	0.52

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
776.000	0.52	0.52	0.52	0.52	0.52
781.000	0.52	0.51	0.50	0.48	0.46
786.000	0.44	0.42	0.41	0.40	0.40
791.000	0.39	0.39	0.39	0.39	0.39
796.000	0.39	0.39	0.39	0.39	0.39
801.000	0.39	0.39	0.39	0.39	0.39
806.000	0.39	0.39	0.39	0.39	0.39
811.000	0.39	0.39	0.39	0.39	0.39
816.000	0.39	0.39	0.39	0.39	0.39
821.000	0.39	0.39	0.39	0.40	0.40
826.000	0.40	0.40	0.40	0.40	0.40
831.000	0.40	0.40	0.40	0.40	0.40
836.000	0.40	0.40	0.40	0.40	0.40
841.000	0.40	0.40	0.40	0.40	0.40
846.000	0.40	0.40	0.40	0.40	0.40
851.000	0.40	0.40	0.40	0.40	0.40
856.000	0.40	0.40	0.40	0.40	0.40
861.000	0.40	0.40	0.40	0.41	0.41
866.000	0.41	0.41	0.41	0.41	0.41
871.000	0.41	0.41	0.41	0.41	0.41
876.000	0.41	0.41	0.41	0.41	0.41
881.000	0.41	0.41	0.41	0.41	0.41
886.000	0.41	0.41	0.41	0.41	0.41
891.000	0.41	0.41	0.41	0.41	0.41
896.000	0.41	0.41	0.41	0.41	0.41
901.000	0.41	0.41	0.39	0.37	0.35
906.000	0.33	0.31	0.30	0.29	0.28
911.000	0.28	0.28	0.27	0.27	0.27
916.000	0.27	0.27	0.27	0.27	0.27
921.000	0.27	0.27	0.27	0.27	0.27
926.000	0.27	0.27	0.27	0.27	0.27
931.000	0.27	0.27	0.27	0.27	0.27
936.000	0.27	0.27	0.27	0.28	0.28
941.000	0.28	0.28	0.28	0.28	0.28
946.000	0.28	0.28	0.28	0.28	0.28
951.000	0.28	0.28	0.28	0.28	0.28
956.000	0.28	0.28	0.28	0.28	0.28
961.000	0.28	0.27	0.26	0.24	0.21
966.000	0.19	0.17	0.16	0.15	0.15
971.000	0.14	0.14	0.14	0.14	0.13
976.000	0.13	0.13	0.13	0.13	0.13
981.000	0.13	0.13	0.13	0.13	0.13

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
986.000	0.13	0.13	0.13	0.13	0.13
991.000	0.13	0.14	0.14	0.14	0.14
996.000	0.14	0.14	0.14	0.14	0.14
1,001.000	0.14	0.14	0.14	0.14	0.14
1,006.000	0.14	0.14	0.14	0.14	0.14
1,011.000	0.14	0.14	0.14	0.14	0.14
1,016.000	0.14	0.14	0.14	0.14	0.14
1,021.000	0.14	0.14	0.14	0.14	0.14
1,026.000	0.14	0.14	0.14	0.14	0.14
1,031.000	0.14	0.14	0.14	0.14	0.14
1,036.000	0.14	0.14	0.14	0.14	0.14
1,041.000	0.14	0.14	0.14	0.14	0.14
1,046.000	0.14	0.14	0.14	0.14	0.14
1,051.000	0.14	0.14	0.14	0.14	0.14
1,056.000	0.14	0.14	0.14	0.14	0.14
1,061.000	0.14	0.14	0.14	0.14	0.14
1,066.000	0.14	0.14	0.14	0.14	0.14
1,071.000	0.14	0.14	0.14	0.14	0.14
1,076.000	0.14	0.14	0.14	0.14	0.14
1,081.000	0.14	0.14	0.14	0.14	0.14
1,086.000	0.14	0.14	0.14	0.14	0.14
1,091.000	0.14	0.14	0.14	0.14	0.14
1,096.000	0.14	0.14	0.14	0.14	0.14
1,101.000	0.14	0.14	0.14	0.14	0.14
1,106.000	0.14	0.14	0.14	0.14	0.14
1,111.000	0.14	0.14	0.14	0.14	0.14
1,116.000	0.14	0.14	0.14	0.14	0.14
1,121.000	0.14	0.14	0.14	0.14	0.14
1,126.000	0.14	0.14	0.14	0.14	0.14
1,131.000	0.14	0.14	0.14	0.14	0.14
1,136.000	0.14	0.14	0.14	0.14	0.14
1,141.000	0.14	0.14	0.12	0.10	0.08
1,146.000	0.05	0.04	0.02	0.01	0.01
1,151.000	0.00	0.00	0.00	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Peak Discharge	2.71 ft³/s
Time to Peak	122.000 min
Hydrograph Volume	0.246 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
104.000	0.00	0.14	1.08	1.62	1.94
109.000	2.14	2.26	2.34	2.41	2.46
114.000	2.50	2.53	2.57	2.60	2.63
119.000	2.66	2.69	2.71	2.71	2.68
124.000	2.61	2.52	2.45	2.39	2.35
129.000	2.33	2.32	2.32	2.32	2.33
134.000	2.33	2.34	2.35	2.37	2.38
139.000	2.39	2.40	2.41	2.42	2.44
144.000	2.45	2.46	2.47	2.48	2.49
149.000	2.50	2.51	2.51	2.48	2.39
154.000	2.25	2.09	1.95	1.83	1.75
159.000	1.70	1.66	1.63	1.62	1.61
164.000	1.60	1.60	1.60	1.60	1.61
169.000	1.61	1.61	1.62	1.62	1.62
174.000	1.63	1.63	1.63	1.64	1.64
179.000	1.64	1.65	1.64	1.59	1.46
184.000	1.26	1.03	0.83	0.67	0.56
189.000	0.47	0.42	0.38	0.35	0.34
194.000	0.33	0.32	0.31	0.31	0.31
199.000	0.31	0.31	0.31	0.31	0.31
204.000	0.31	0.31	0.31	0.31	0.31
209.000	0.31	0.31	0.31	0.29	0.25
214.000	0.18	0.10	0.04	0.00	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Peak Discharge	3.38 ft³/s
Time to Peak	240.000 min
Hydrograph Volume	0.315 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
193.000	0.00	0.35	1.26	1.78	2.09
198.000	2.28	2.40	2.48	2.54	2.58
203.000	2.62	2.66	2.69	2.72	2.75
208.000	2.78	2.81	2.83	2.86	2.88
213.000	2.91	2.93	2.95	2.98	3.00
218.000	3.02	3.04	3.06	3.08	3.10
223.000	3.12	3.14	3.16	3.17	3.19
228.000	3.21	3.22	3.24	3.26	3.27
233.000	3.29	3.30	3.32	3.33	3.34
238.000	3.36	3.37	3.38	3.38	3.29
243.000	3.07	2.72	2.33	1.97	1.69
248.000	1.48	1.34	1.24	1.17	1.13
253.000	1.10	1.08	1.07	1.07	1.06
258.000	1.06	1.06	1.06	1.06	1.06
263.000	1.07	1.07	1.07	1.07	1.07
268.000	1.07	1.07	1.08	1.08	1.08
273.000	1.08	1.08	1.08	1.08	1.09
278.000	1.09	1.09	1.09	1.09	1.09
283.000	1.09	1.09	1.10	1.10	1.10
288.000	1.10	1.10	1.10	1.10	1.10
293.000	1.11	1.11	1.11	1.11	1.11
298.000	1.11	1.11	1.11	1.11	1.07
303.000	0.97	0.83	0.67	0.52	0.41
308.000	0.32	0.26	0.22	0.19	0.17
313.000	0.16	0.15	0.15	0.15	0.14
318.000	0.14	0.14	0.14	0.14	0.14
323.000	0.14	0.14	0.14	0.14	0.14
328.000	0.14	0.14	0.14	0.14	0.14
333.000	0.14	0.14	0.14	0.14	0.14
338.000	0.14	0.14	0.14	0.14	0.14
343.000	0.14	0.14	0.14	0.15	0.15
348.000	0.15	0.15	0.15	0.15	0.15
353.000	0.15	0.15	0.15	0.15	0.15
358.000	0.15	0.15	0.15	0.15	0.14
363.000	0.13	0.12	0.10	0.09	0.08
368.000	0.07	0.06	0.06	0.05	0.05
373.000	0.05	0.05	0.05	0.05	0.05

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-1
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
378.000	0.05	0.05	0.05	0.05	0.05
383.000	0.05	0.05	0.05	0.05	0.05
388.000	0.05	0.05	0.05	0.05	0.05
393.000	0.05	0.05	0.05	0.05	0.05
398.000	0.05	0.05	0.05	0.05	0.05
403.000	0.05	0.05	0.05	0.05	0.05
408.000	0.05	0.05	0.05	0.05	0.05
413.000	0.05	0.05	0.05	0.05	0.05
418.000	0.05	0.05	0.05	0.05	0.04
423.000	0.02	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 25 year (1 hour)

Return Event: 25 years
Storm Event: FDOT 1hr (3.7 in)

Peak Discharge	0.32 ft³/s
Time to Peak	50.000 min
Hydrograph Volume	0.002 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
46.000	0.00	0.01	0.17	0.27	0.32
51.000	0.31	0.27	0.20	0.12	0.05
56.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 25 year (2 hour)

Return Event: 25 years
Storm Event: FDOT 2hr (4.8 in)

Peak Discharge	0.38 ft³/s
Time to Peak	62.000 min
Hydrograph Volume	0.008 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
55.000	0.00	0.11	0.21	0.28	0.32
60.000	0.35	0.37	0.38	0.37	0.35
65.000	0.31	0.28	0.24	0.22	0.19
70.000	0.18	0.16	0.15	0.15	0.14
75.000	0.13	0.12	0.11	0.09	0.08
80.000	0.08	0.07	0.07	0.06	0.06
85.000	0.06	0.05	0.05	0.04	0.03
90.000	0.02	0.01	0.00	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 25 year (24 hour)

Return Event: 25 years
Storm Event: FDOT 24hr (10.1 in)

Peak Discharge	0.00 ft³/s
Time to Peak	480.000 min
Hydrograph Volume	0.000 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 25 year (4 hour)

Return Event: 25 years
Storm Event: FDOT 4hr (6.0 in)

Peak Discharge	0.49 ft³/s
Time to Peak	151.000 min
Hydrograph Volume	0.021 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
135.000	0.00	0.09	0.20	0.27	0.33
140.000	0.37	0.40	0.42	0.44	0.45
145.000	0.46	0.47	0.47	0.48	0.48
150.000	0.48	0.49	0.48	0.46	0.43
155.000	0.40	0.36	0.33	0.31	0.29
160.000	0.27	0.26	0.25	0.24	0.24
165.000	0.23	0.23	0.23	0.23	0.22
170.000	0.22	0.22	0.22	0.22	0.22
175.000	0.22	0.22	0.23	0.23	0.23
180.000	0.23	0.22	0.22	0.19	0.15
185.000	0.10	0.06	0.02	0.00	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 25 year (8 hour)

Return Event: 25 years
Storm Event: FDOT 8hr (7.5 in)

Peak Discharge	0.71 ft³/s
Time to Peak	240.000 min
Hydrograph Volume	0.025 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
223.000	0.00	0.19	0.33	0.43	0.50
228.000	0.56	0.59	0.62	0.64	0.66
233.000	0.67	0.68	0.69	0.69	0.70
238.000	0.70	0.71	0.71	0.71	0.69
243.000	0.65	0.58	0.50	0.41	0.34
248.000	0.27	0.22	0.18	0.15	0.13
253.000	0.11	0.10	0.09	0.08	0.08
258.000	0.07	0.07	0.07	0.07	0.07
263.000	0.07	0.07	0.07	0.07	0.07
268.000	0.07	0.07	0.07	0.07	0.07
273.000	0.07	0.07	0.07	0.07	0.07
278.000	0.07	0.07	0.07	0.07	0.07
283.000	0.07	0.07	0.07	0.07	0.07
288.000	0.07	0.07	0.07	0.07	0.07
293.000	0.07	0.07	0.07	0.07	0.07
298.000	0.07	0.07	0.07	0.07	0.06
303.000	0.05	0.02	0.00	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 100 year (1 hour)

Return Event: 100 years
Storm Event: FDOT 1hr (4.6 in)

Peak Discharge	1.33 ft³/s
Time to Peak	43.000 min
Hydrograph Volume	0.023 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
37.000	0.00	0.45	0.88	1.13	1.26
42.000	1.31	1.33	1.32	1.28	1.21
47.000	1.13	1.04	0.96	0.88	0.77
52.000	0.64	0.49	0.35	0.23	0.13
57.000	0.05	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 100 year (2 hour)

Return Event: 100 years
Storm Event: FDOT 2hr (6.0 in)

Peak Discharge	1.59 ft³/s
Time to Peak	51.000 min
Hydrograph Volume	0.037 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
45.000	0.00	0.39	0.84	1.18	1.41
50.000	1.56	1.59	1.54	1.42	1.28
55.000	1.16	1.04	0.95	0.88	0.82
60.000	0.78	0.74	0.71	0.66	0.61
65.000	0.55	0.49	0.44	0.40	0.36
70.000	0.34	0.32	0.30	0.29	0.28
75.000	0.27	0.25	0.24	0.22	0.21
80.000	0.20	0.19	0.18	0.18	0.18
85.000	0.17	0.17	0.16	0.15	0.13
90.000	0.12	0.11	0.10	0.09	0.08
95.000	0.08	0.08	0.07	0.07	0.06
100.000	0.05	0.03	0.02	0.01	0.00

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 100 year (24 hour)

Return Event: 100 years
Storm Event: FDOT 24hr (13.3 in)

Peak Discharge	0.00 ft³/s
Time to Peak	480.000 min
Hydrograph Volume	0.000 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 100 year (4 hour)

Return Event: 100 years
Storm Event: FDOT 4hr (7.5 in)

Peak Discharge	0.84 ft³/s
Time to Peak	123.000 min
Hydrograph Volume	0.056 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
115.000	0.00	0.25	0.44	0.57	0.67
120.000	0.74	0.79	0.82	0.84	0.83
125.000	0.82	0.80	0.78	0.76	0.75
130.000	0.74	0.73	0.72	0.72	0.72
135.000	0.72	0.71	0.71	0.71	0.72
140.000	0.72	0.72	0.72	0.72	0.72
145.000	0.72	0.72	0.72	0.72	0.73
150.000	0.73	0.73	0.72	0.70	0.66
155.000	0.61	0.57	0.53	0.49	0.46
160.000	0.44	0.43	0.41	0.40	0.40
165.000	0.39	0.39	0.39	0.39	0.38
170.000	0.38	0.38	0.38	0.38	0.38
175.000	0.38	0.38	0.38	0.38	0.38
180.000	0.38	0.38	0.37	0.34	0.29
185.000	0.23	0.17	0.11	0.07	0.03
190.000	0.00	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Subsection: Diverted Hydrograph
Label: Outlet-2
Scenario: 100 year (8 hour)

Return Event: 100 years
Storm Event: FDOT 8hr (9.4 in)

Peak Discharge	1.01 ft³/s
Time to Peak	240.000 min
Hydrograph Volume	0.065 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
206.000	0.00	0.10	0.33	0.51	0.63
211.000	0.72	0.79	0.84	0.87	0.90
216.000	0.92	0.93	0.95	0.95	0.96
221.000	0.97	0.97	0.98	0.98	0.98
226.000	0.99	0.99	0.99	0.99	0.99
231.000	1.00	1.00	1.00	1.00	1.00
236.000	1.01	1.01	1.01	1.01	1.01
241.000	1.01	0.99	0.93	0.84	0.74
246.000	0.63	0.53	0.45	0.38	0.33
251.000	0.29	0.26	0.24	0.22	0.21
256.000	0.20	0.20	0.19	0.19	0.19
261.000	0.18	0.18	0.18	0.18	0.18
266.000	0.18	0.18	0.18	0.18	0.18
271.000	0.18	0.18	0.18	0.18	0.18
276.000	0.18	0.18	0.18	0.18	0.18
281.000	0.18	0.18	0.18	0.18	0.18
286.000	0.18	0.18	0.18	0.18	0.18
291.000	0.18	0.18	0.18	0.18	0.18
296.000	0.18	0.18	0.18	0.18	0.18
301.000	0.18	0.17	0.15	0.12	0.07
306.000	0.03	0.00	(N/A)	(N/A)	(N/A)

All Metal Roofing and Siding Parker, FL

Index

C

Composite Outlet Structure - 1 (Composite Rating Curve, 100 years (100 year (2 hour)))...125

Composite Outlet Structure - 1 (Individual Outlet Curves, 100 years (100 year (2 hour)))...124

Composite Outlet Structure - 1 (Outlet Input Data, 100 years (100 year (2 hour)))...122, 123

Composite Outlet Structure - 2 (Composite Rating Curve, 100 years (100 year (2 hour)))...129

Composite Outlet Structure - 2 (Individual Outlet Curves, 100 years (100 year (2 hour)))...128

Composite Outlet Structure - 2 (Outlet Input Data, 100 years (100 year (2 hour)))...126, 127

F

FDOT Zone 1 (Time-Depth Curve, 100 years (100 year (1 hour)))...7

FDOT Zone 1 (Time-Depth Curve, 100 years (100 year (2 hour)))...11

FDOT Zone 1 (Time-Depth Curve, 100 years (100 year (24 hour)))...9

FDOT Zone 1 (Time-Depth Curve, 100 years (100 year (4 hour)))...13

FDOT Zone 1 (Time-Depth Curve, 100 years (100 year (8 hour)))...15

FDOT Zone 1 (Time-Depth Curve, 25 years (25 year (1 hour)))...6

FDOT Zone 1 (Time-Depth Curve, 25 years (25 year (2 hour)))...10

FDOT Zone 1 (Time-Depth Curve, 25 years (25 year (24 hour)))...8

FDOT Zone 1 (Time-Depth Curve, 25 years (25 year (4 hour)))...12

FDOT Zone 1 (Time-Depth Curve, 25 years (25 year (8 hour)))...14

M

Master Network Summary...2, 3, 4, 5

O

Outlet-1 (Diverted Hydrograph, 100 years (100 year (1 hour)))...136

Outlet-1 (Diverted Hydrograph, 100 years (100 year (2 hour)))...137

Outlet-1 (Diverted Hydrograph, 100 years (100 year (24 hour)))...138, 139, 140

Outlet-1 (Diverted Hydrograph, 100 years (100 year (4 hour)))...141

Outlet-1 (Diverted Hydrograph, 100 years (100 year (8 hour)))...142, 143

Outlet-1 (Diverted Hydrograph, 25 years (25 year (1 hour)))...130

Outlet-1 (Diverted Hydrograph, 25 years (25 year (2 hour)))...131

Outlet-1 (Diverted Hydrograph, 25 years (25 year (24 hour)))...132, 133

Outlet-1 (Diverted Hydrograph, 25 years (25 year (4 hour)))...134

Outlet-1 (Diverted Hydrograph, 25 years (25 year (8 hour)))...135

Outlet-2 (Diverted Hydrograph, 100 years (100 year (1 hour)))...149

Outlet-2 (Diverted Hydrograph, 100 years (100 year (2 hour)))...150

Outlet-2 (Diverted Hydrograph, 100 years (100 year (24 hour)))...151

Outlet-2 (Diverted Hydrograph, 100 years (100 year (4 hour)))...152

Outlet-2 (Diverted Hydrograph, 100 years (100 year (8 hour)))...153

Outlet-2 (Diverted Hydrograph, 25 years (25 year (1 hour)))...144

Outlet-2 (Diverted Hydrograph, 25 years (25 year (2 hour)))...145

Outlet-2 (Diverted Hydrograph, 25 years (25 year (24 hour)))...146

Outlet-2 (Diverted Hydrograph, 25 years (25 year (4 hour)))...147

Outlet-2 (Diverted Hydrograph, 25 years (25 year (8 hour)))...148

P

Post Outfall (Runoff CN-Area, 100 years (100 year (2 hour)))...32

Post Outfall (Time of Concentration Calculations, 100 years (100 year (1 hour)))...18, 19

Post Outfall (Time of Concentration Calculations, 25 years (25 year (1 hour)))...16, 17

Post Outfall (Unit Hydrograph Summary, 100 years (100 year (1 hour)))...48, 49

Post Outfall (Unit Hydrograph Summary, 100 years (100 year (2 hour)))...50, 51

Post Outfall (Unit Hydrograph Summary, 100 years (100 year (24 hour)))...52, 53

Post Outfall (Unit Hydrograph Summary, 100 years (100 year (4 hour)))...54, 55

Post Outfall (Unit Hydrograph Summary, 100 years (100 year (8 hour)))...56, 57

Post Outfall (Unit Hydrograph Summary, 25 years (25 year (1 hour)))...38, 39

Post Outfall (Unit Hydrograph Summary, 25 years (25 year (2 hour)))...40, 41

Post Outfall (Unit Hydrograph Summary, 25 years (25 year (24 hour)))...42, 43

Post Outfall (Unit Hydrograph Summary, 25 years (25 year (4 hour)))...44, 45

Post Outfall (Unit Hydrograph Summary, 25 years (25 year (8 hour)))...46, 47

Post to South (Runoff CN-Area, 100 years (100 year (2 hour)))...33

Post to South (Time of Concentration Calculations, 100 years (100 year (1 hour)))...22, 23

Post to South (Time of Concentration Calculations, 25 years (25 year (1 hour)))...20, 21

Post to South (Unit Hydrograph Summary, 100 years (100 year (1 hour)))...68, 69

Post to South (Unit Hydrograph Summary, 100 years (100 year (2 hour)))...70, 71

Post to South (Unit Hydrograph Summary, 100 years (100 year (24 hour)))...72, 73

All Metal Roofing and Siding Parker, FL

Post to South (Unit Hydrograph Summary, 100 years (100 year (4 hour)))...74, 75

Post to South (Unit Hydrograph Summary, 100 years (100 year (8 hour)))...76, 77

Post to South (Unit Hydrograph Summary, 25 years (25 year (1 hour)))...58, 59

Post to South (Unit Hydrograph Summary, 25 years (25 year (2 hour)))...60, 61

Post to South (Unit Hydrograph Summary, 25 years (25 year (24 hour)))...62, 63

Post to South (Unit Hydrograph Summary, 25 years (25 year (4 hour)))...64, 65

Post to South (Unit Hydrograph Summary, 25 years (25 year (8 hour)))...66, 67

Post to West (Runoff CN-Area, 100 years (100 year (2 hour)))...34

Post to West (Time of Concentration Calculations, 100 years (100 year (1 hour)))...26, 27

Post to West (Time of Concentration Calculations, 25 years (25 year (1 hour)))...24, 25

Post to West (Unit Hydrograph Summary, 100 years (100 year (1 hour)))...88, 89

Post to West (Unit Hydrograph Summary, 100 years (100 year (2 hour)))...90, 91

Post to West (Unit Hydrograph Summary, 100 years (100 year (24 hour)))...92, 93

Post to West (Unit Hydrograph Summary, 100 years (100 year (4 hour)))...94, 95

Post to West (Unit Hydrograph Summary, 100 years (100 year (8 hour)))...96, 97

Post to West (Unit Hydrograph Summary, 25 years (25 year (1 hour)))...78, 79

Post to West (Unit Hydrograph Summary, 25 years (25 year (2 hour)))...80, 81

Post to West (Unit Hydrograph Summary, 25 years (25 year (24 hour)))...82, 83

Post to West (Unit Hydrograph Summary, 25 years (25 year (4 hour)))...84, 85

Post to West (Unit Hydrograph Summary, 25 years (25 year (8 hour)))...86, 87

Pre Development Area (Runoff CN-Area, 100 years (100 year (2 hour)))...35

Pre Development Area (Time of Concentration Calculations, 100 years (100 year (1 hour)))...30, 31

Pre Development Area (Time of Concentration Calculations, 25 years (25 year (1 hour)))...28, 29

Pre Development Area (Unit Hydrograph Summary, 100 years (100 year (1 hour)))...108, 109

Pre Development Area (Unit Hydrograph Summary, 100 years (100 year (2 hour)))...110, 111

Pre Development Area (Unit Hydrograph Summary, 100 years (100 year (24 hour)))...112, 113

Pre Development Area (Unit Hydrograph Summary, 100 years (100 year (4 hour)))...114, 115

Pre Development Area (Unit Hydrograph Summary, 100 years (100 year (8 hour)))...116, 117

Pre Development Area (Unit Hydrograph Summary, 25 years (25 year (1 hour)))...98, 99

Pre Development Area (Unit Hydrograph Summary, 25 years (25 year (2 hour)))...100, 101

Pre Development Area (Unit Hydrograph Summary, 25 years (25 year (24 hour)))...102, 103
Pre Development Area (Unit Hydrograph Summary, 25 years (25 year (4 hour)))...104, 105
Pre Development Area (Unit Hydrograph Summary, 25 years (25 year (8 hour)))...106, 107

S

Southern Pond (Elevation-Area Volume Curve, 100 years (100 year (2 hour)))...118

Southern Pond (Volume Equations, 100 years (100 year (2 hour)))...119

U

Unit Hydrograph Equations...36, 37

W

Western Pond (Elevation-Area Volume Curve, 100 years (100 year (2 hour)))...120

Western Pond (Volume Equations, 100 years (100 year (2 hour)))...121