Florida Department of
TRANSPORTATION

POND SITING REPORT APPENDICES

2 OF 2

Florida Department of Transportation
District Five

PROJECT DEVELOPMENT AND ENVIRONMENT STUDY
I-75 (SR 93) at NW 49th Street

Marion County, Florida
Financial Management Number: 435209-1-22-01
ETDM Number: 14242

JANUARY 2021

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated December 14, 2016, and executed by the Federal Highway Administration and FDOT.

STACKED STORM
ICPR MODEL

SJRWMD Design Storm

25yr-96hr Stacked

ICPR Input

Manual Basin: Basin 49

Scenario: Post-Stacked Storm
Node: Pond 49-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
14.8200	Basin 49	Basin 49	

Comment:

Manual Basin: Basin E

Scenario: Post-Stacked Storm
Node: Pond E-3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
25.5000	Basin E	Basin E	

Comment:

Manual Basin: Basin E5

Scenario: Post-Stacked Storm
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2800	Basin E5	Basin E5	

Comment:

Manual Basin: Basin F-OFF

Scenario: Post-Stacked Storm

Node: Pond F-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 84.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
13.2000	Basin F-OFF	Basin F-OFF	

Comment:

Manual Basin: Basin F1

Scenario: Post-Stacked Storm
Node: F1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1000	Basin F1	Basin F1	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F2

Scenario: Post-Stacked Storm
Node: F2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6800	Basin F2	Basin F2	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F3

Scenario: Post-Stacked Storm
Node: F3
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.4500	Basin F3	Basin F3	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F4

Scenario: Post-Stacked Storm
Node: F4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5500	Basin F4	Basin F4	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin G1

Scenario: Post-Stacked Storm
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Basin G1	Basin G1	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G10

Scenario: Post-Stacked Storm
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min

Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G10	Basin G10	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G11

Scenario: Post-Stacked Storm
Node: G11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9100	Basin G11	Basin G11	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G12

Scenario: Post-Stacked Storm
Node: G12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2300	Basin G12	Basin G12	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G13

Scenario: Post-Stacked Storm
Node: G13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.2400	Basin G13	Basin G13	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G14

Scenario: Post-Stacked Storm
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G14	Basin G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G2

Scenario: Post-Stacked Storm
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.9200	Basin G2	Basin G2	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G3

Scenario: Post-Stacked Storm
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.8700	Basin G3	Basin G3	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G4

Scenario: Post-Stacked Storm
Node: G4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.5700	Basin G4	Basin G4	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G5

Scenario: Post-Stacked Storm
Node: G5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.7400	Basin G5	Basin G5	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G6

Scenario: Post-Stacked Storm
Node: G6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.2400	Basin G6	Basin G6	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G7

Scenario: Post-Stacked Storm
Node: G7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2800	Basin G7/8	Basin G7/8	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G9

Scenario: Post-Stacked Storm
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.8100	Basin G9	Basin G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin Pond G1-1

Scenario: Post-Stacked Storm
Node: Pond G1-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 39.2000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.0400	Basin Pond G1-1	Basin Pond G1-1	

Comment: Total Basin G1-1 is made up of Basin Pond G1-1, G1, G2, G2-OFF, G3-OFF and G3 (7.04+0.67+3.92+3.2+1.87+1.54=18.24

Ac)

Manual Basin: NE OFFSITE

Scenario: Post-Stacked Storm
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 34.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
77.4300	OFFSITE	OFFSITE	

Comment:

Manual Basin: OFF-G14

Scenario: Post-Stacked Storm
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6300	OFF G14	OFF G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G2

Scenario: Post-Stacked Storm
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2000	OFF G2	OFF G2	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G3

Scenario: Post-Stacked Storm
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5400	OFF G3	OFF G3	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G9

Scenario: Post-Stacked Storm
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.0700	OFF G9	OFF G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: SE OFFSITE

Scenario: Post-Stacked Storm
Node: SE-OFF
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.3000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
23.1500	OFFSITE	OFFSITE	

Comment:

Node: Depressional Area 1

Scenario: Post-Stacked Storm

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	0.1200	5227
67.00	1.7600	76666
68.00	3.4700	151153
69.00	5.5900	243500
70.00	7.6700	334105
71.00	9.6700	421225
72.00	11.8100	514444
73.00	13.8600	603742

Comment:

Node: Depressional Area 2

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.28 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.28	0.0000	0
70.00	0.3200	13939
71.00	2.3300	101495
72.00	3.7100	161608
73.00	6.0200	262231
73.50	9.7000	422532

Comment:

Node: F1

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 84.07 ft
Warning Stage: 86.47 ft

Stage [ft]	Area [ac]	Area [ft2]
84.07	0.0000	0
84.37	0.0220	958
84.67	0.0340	1481
84.97	0.0480	2091
85.27	0.0630	2744
85.57	0.0810	3528
85.87	0.0990	4312

Stage [ft]	Area [ac]	Area [ft2]
86.17	0.1190	5184
86.47	0.1400	6098

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F2

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 82.07 ft
Warning Stage: 85.07 ft

Stage [ft]	Area [ac]	Area [ft2]
82.07	0.0000	0
82.37	0.0840	3659
82.67	0.0980	4269
82.97	0.1120	4879
83.27	0.1260	5489
83.57	0.1400	6098
83.87	0.1550	6752
84.17	0.1710	7449
84.47	0.1860	8102
85.07	0.2240	9757

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F3

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.67 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0850	3703
80.87	0.1030	4487
81.27	0.1210	5271
81.67	0.1390	6055
82.07	0.1580	6882
82.47	0.1780	7754
82.87	0.1980	8625
83.27	0.2210	9627
83.67	0.2460	10716

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F4

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 77.07 ft
Warning Stage: 80.97 ft

Stage [ft]	Area [ac]	Area [ft2]
77.07	0.0000	0
77.57	0.3020	13155
78.07	0.3660	15943
78.57	0.4320	18818
79.07	0.4990	21736
79.57	0.5670	24699
80.07	0.6360	27704
80.57	0.7060	30753
80.97	0.7760	33803

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: G1

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.87 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.47	0.2840	12371
74.87	0.3600	15682
75.27	0.4370	19036
75.67	0.5140	22390
76.07	0.5920	25788
76.47	0.6840	29795
76.87	0.7770	33846
77.27	0.8730	38028
77.87	1.0210	44475

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: G10

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.57 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
71.57	0.0000	0
71.67	0.0410	1786
72.37	0.0600	2614
72.77	0.0810	3528
73.17	0.1020	4443
73.57	0.1350	5881
73.97	0.1480	6447
74.37	0.1760	7667
74.77	0.2060	8973

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G11

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0500	2178
70.87	0.0630	2744
71.27	0.0780	3398
71.67	0.0940	4095
72.07	0.1110	4835
72.47	0.1300	5663
72.87	0.1500	6534
73.27	0.1730	7536

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G12

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.67	0.2040	8886
69.27	0.2680	11674
69.87	0.3340	14549
70.47	0.4040	17598
71.07	0.4760	20735

Stage [ft]	Area [ac]	Area [ft2]
71.67	0.5500	23958
72.27	0.6320	27530

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G13

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0580	2526
70.87	0.0780	3398
71.27	0.1000	4356
71.67	0.1220	5314
72.07	0.1460	6360
72.47	0.1710	7449
72.87	0.1990	8668
73.67	0.2620	11413

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G14

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.27	0.0320	1394
74.47	0.0430	1873
74.67	0.0560	2439
74.87	0.0700	3049
75.07	0.0850	3703
75.27	0.0990	4312
75.47	0.1140	4966
75.67	0.1280	5576

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G3

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 72.57 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
72.57	0.0000	0
72.87	0.0340	1481
73.17	0.0490	2134
73.47	0.0640	2788
73.77	0.0810	3528
74.07	0.0980	4269
74.37	0.1180	5140
74.67	0.1400	6098
75.07	0.1690	7362

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1
Warning stage based on low edge of pavement

Node: G4

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 73.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0540	2352
71.87	0.0670	2919
72.27	0.0820	3572
72.67	0.0990	4312
73.07	0.1180	5140
73.47	0.1390	6055
73.87	0.1610	7013
74.07	0.1710	7449

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G5

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.57	0.0570	2483
69.07	0.0740	3223
69.57	0.0930	4051
70.07	0.1140	4966
70.57	0.1370	5968
71.07	0.1610	7013
71.57	0.1880	8189
71.97	0.2100	9148

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on r/w

Node: G6

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.57 ft
Warning Stage: 70.75 ft

Stage [ft]	Area [ac]	Area [ft2]
66.57	0.0000	0
67.07	0.1740	7579
67.57	0.2250	9801
68.07	0.2780	12110
68.57	0.3080	13416
69.07	0.3900	16988
69.57	0.4490	19558
70.07	0.5090	22172
70.47	0.5680	24742

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on overflow into Depressional Area 2

Node: G7

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 75.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0840	3659
71.87	0.1010	4400
72.27	0.1180	5140
72.67	0.1360	5924
73.07	0.1560	6795

Stage [ft]	Area [ac]	Area [ft2]
73.47	0.1770	7710
73.87	0.2010	8756
74.27	0.2260	9845
74.67	0.2520	10977

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: GW-49

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.60 ft
Warning Stage: 76.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.60
0	0	0	96.0000	72.60

Comment: Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT estimated at 72.6'

Node: GW-E

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.80 ft
Warning Stage: 78.50 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.80
0	0	0	96.0000	74.80

Comment: Boring information from PBS-1, PBS-2, PBS-22, PBS- 23 and PBS-24 shows the average SHWT estimated at 74.8'

Node: GW-E5

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 80.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	72.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-F1

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 79.07 ft
Warning Stage: 86.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	79.07
0	0	0	96.0000	79.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F2

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 78.07 ft
Warning Stage: 84.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	78.07
0	0	0	96.0000	78.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F3

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 83.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.07
0	0	0	96.0000	74.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F4

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 77.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	96.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-G1

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 78.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	71.07
0	0	0	96.0000	71.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G1-1

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.60 ft
Warning Stage: 73.60 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.60
0	0	0	96.0000	62.60

Comment: Boring information from PBS-36 and PBS-38 shows the average SHWT estimated at 62.6'.

Node: GW-G10

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 67.07 ft

Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	67.07
0	0	0	96.0000	67.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G11

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 72.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G12

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G13

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G14

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 75.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	68.07
0	0	0	96.0000	68.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G2

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 69.07 ft
Warning Stage: 75.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	69.07
0	0	0	96.0000	69.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G3

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G4

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G5

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 71.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G6

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 61.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	61.07
0	0	0	96.0000	61.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G7

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft

Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-PF1

Scenario: Post-Stacked Storm
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 76.20 ft
Warning Stage: 84.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	76.20
0	0	0	96.0000	76.20

Comment: Boring information from PBS-13 and PBS-14 shows the average SHWT estimated at 76.20'.

Node: MH E-3

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 75.00 ft
Warning Stage: 77.00 ft

Stage [ft]	Area [ac]	Area [ft2]
75.00	0.0010	44
77.00	0.0010	44

Comment:

Node: NE5

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.27 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0450	1960
80.87	0.0580	2526

Stage [ft]	Area [ac]	Area [ft2]
81.27	0.0710	3093
81.67	0.0850	3703
82.07	0.1000	4356
82.47	0.1150	5009
82.87	0.1310	5706
83.27	0.1490	6490

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: OFF-D1

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	1.0100	43996
67.00	1.4500	63162
70.00	2.6800	116741
71.00	2.9000	126324
72.00	3.6100	157252
73.00	3.8500	167706
74.00	4.2600	185566

Comment: Represents offsite pop-off location for Depressional Area 1

Node: OFF-D2

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.00 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.00	0.0500	2178
70.00	2.0700	90169
71.00	7.7400	337154
72.00	13.5300	589367
73.00	20.5600	895594

Comment: Represents offsite pop-off location for Depressional Area 2

Node: Pond 49-1

Scenario: Post-Stacked Storm
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 77.54 ft
Warning Stage: 83.00 ft

Stage [ft]	Area [ac]	Area [ft2]
77.00	1.1300	49223
78.03	1.2700	55321
80.11	1.5000	65340
81.08	1.6300	71003
84.00	1.9600	85378
85.00	2.6300	114563

Comment:

Node: Pond E-3

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 81.79 ft
Warning Stage: 85.00 ft

Stage [ft]	Area [ac]	Area [ft2]
80.50	2.9800	129809
81.66	3.1400	136778
84.23	3.5200	153331
86.87	3.9300	171191
87.00	3.9500	172062
88.00	4.5500	198198

Comment: Warning stage set to low edge of pavement

Node: Pond F-1

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 81.48 ft
Warning Stage: 87.00 ft

Stage [ft]	Area [ac]	Area [ft2]
81.00	1.5000	65340
81.93	1.5900	69260
81.98	1.6000	69696
82.35	1.6500	71874
88.00	2.3000	100188
89.00	2.9400	128066

Comment:

Node: Pond G1-1

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.60 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
74.60	2.9300	127631
75.12	3.0100	131116
76.97	3.2600	142006
78.89	3.5300	153767
81.00	3.8600	168142
82.00	4.6000	200376

Comment: Warning stage based on low edge of pavement

Node: SE-OFF

Scenario: Post-Stacked Storm
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 78.00 ft
Warning Stage: 82.40 ft

Stage [ft]	Area [ac]	Area [ft2]
78.00	0.0100	436
82.00	0.1000	4356
82.40	0.1000	4356

Comment: Warning stage set at roadway sag

Pipe Link: CD-2

Scenario: Post-Stacked Storm
From Node: F4
To Node: NE5
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 196.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	80.84 ft	Invert:	80.15 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip		Bottom Clip	
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip		Top Clip	
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-3		Upstream		Downstream	
Scenario:	Post-Stacked Storm	Invert:	70.11 ft	Invert:	67.83 ft
From Node:	G12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-4		Upstream		Downstream	
Scenario:	Post-Stacked Storm	Invert:	78.00 ft	Invert:	73.00 ft
From Node:	SE-OFF	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Depressional Area 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: DS POND 49		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked Storm	Invert:	70.00 ft	Invert:	66.00 ft
From Node:	Pond 49-1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Depressional Area 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	155.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location: 0.00 ft
Energy Switch: Energy

Pipe Comment: DS INVERT SET TO BOTTOM OF DEPRESSION

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	78.03 ft	Ref Node:	
Control Elevation:	78.03 ft	**Discharge Coefficients**	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS POND E		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked Storm	Invert:	76.00 ft	Invert:	75.50 ft
From Node:	Pond E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	400.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: DS INVERT SET PER DITCH FL IN I-75 R/W

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	83.20 ft	Ref Node:	
Control Elevation:	83.20 ft	**Discharge Coefficients**	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft		

Fillet:	0.00 ft		
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Drop Structure Link: DS POND F		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked Storm	Invert:	78.00 ft	Invert:	77.00 ft
From Node:	Pond F-1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Pond 49-1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	400.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF POND 49-1

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	81.98 ft	Op Table:	
Control Elevation:	81.98 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	3.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Invert based on treatment volume required

Drop Structure Comment:

Drop Structure Link: DS POND G1		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked Storm	Invert:	70.00 ft	Invert:	66.00 ft
From Node:	Pond G1-1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Depressional Area 1	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	140.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF DEPRESSION 1

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	76.90 ft	Op Table:	
Control Elevation:	76.90 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	3.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: L-E3		Upstream		Downstream	
Scenario:	Post-Stacked Storm	Invert:	75.50 ft	Invert:	73.00 ft
From Node:	MH E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-3		Upstream		Downstream	
Scenario:	Post-Stacked Storm	Invert:	80.00 ft	Invert:	76.00 ft
From Node:	NE5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Percolation Link: PERC-E5			
Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	NE5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E5	Perimeter 1:	313.30 ft
Link Count:	1	Perimeter 2:	713.00 ft
Flow Direction:	Both	Perimeter 3:	3693.00 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	3.150 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	2.100 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F1			
Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F1	Perimeter 1:	404.00 ft
Link Count:	1	Perimeter 2:	744.11 ft
Flow Direction:	Both	Perimeter 3:	2369.04 ft
Aquifer Base Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	79.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F2

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F2	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F2	Perimeter 1:	577.50 ft
Link Count:	1	Perimeter 2:	1046.16 ft
Flow Direction:	Both	Perimeter 3:	2007.42 ft
Aquifer Base Elevation:	71.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	78.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F3

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F3	Perimeter 1:	511.30 ft
Link Count:	1	Perimeter 2:	772.42 ft
Flow Direction:	Both	Perimeter 3:	1603.85 ft
Aquifer Base Elevation:	68.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F4

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F4	Perimeter 1:	1552.00 ft
Link Count:	1	Perimeter 2:	1835.49 ft
Flow Direction:	Both	Perimeter 3:	2171.02 ft
Aquifer Base Elevation:	64.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.75 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-G1

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1	Perimeter 1:	402.66 ft
Link Count:	1	Perimeter 2:	718.56 ft
Flow Direction:	Both	Perimeter 3:	1046.86 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	71.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G10

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G10	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G10	Perimeter 1:	530.00 ft
Link Count:	1	Perimeter 2:	887.78 ft
Flow Direction:	Both	Perimeter 3:	2693.05 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	67.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G11

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G11	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G11	Perimeter 1:	342.66 ft
Link Count:	1	Perimeter 2:	667.49 ft
Flow Direction:	Both	Perimeter 3:	1633.47 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G12

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G12	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G12	Perimeter 1:	1115.14 ft
Link Count:	1	Perimeter 2:	1448.86 ft
Flow Direction:	Both	Perimeter 3:	2502.20 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G13

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G13	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G13	Perimeter 1:	555.00 ft
Link Count:	1	Perimeter 2:	864.01 ft
Flow Direction:	Both	Perimeter 3:	1904.77 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G14

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G14	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G14	Perimeter 1:	628.00 ft
Link Count:	1	Perimeter 2:	971.81 ft
Flow Direction:	Both	Perimeter 3:	2791.16 ft
Aquifer Base Elevation:	61.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	68.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G2

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G2	Perimeter 1:	1519.00 ft
Link Count:	1	Perimeter 2:	1853.22 ft
Flow Direction:	Both	Perimeter 3:	2123.75 ft
Aquifer Base Elevation:	63.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	69.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G3

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G3	Perimeter 1:	538.50 ft
Link Count:	1	Perimeter 2:	864.99 ft
Flow Direction:	Both	Perimeter 3:	1071.47 ft
Aquifer Base Elevation:	58.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G4

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G4	Perimeter 1:	351.34 ft
Link Count:	1	Perimeter 2:	634.78 ft
Flow Direction:	Both	Perimeter 3:	814.79 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G5

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G5	Perimeter 1:	368.00 ft
Link Count:	1	Perimeter 2:	703.05 ft
Flow Direction:	Both	Perimeter 3:	888.64 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G6

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G6	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G6	Perimeter 1:	1116.66 ft
Link Count:	1	Perimeter 2:	1470.67 ft
Flow Direction:	Both	Perimeter 3:	2471.40 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	61.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G7

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G7	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G7	Perimeter 1:	381.00 ft
Link Count:	1	Perimeter 2:	758.48 ft
Flow Direction:	Both	Perimeter 3:	2600.17 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	10.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-POND49

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond 49-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-49	Perimeter 1:	1510.00 ft
Link Count:	1	Perimeter 2:	1824.00 ft
Flow Direction:	Both	Perimeter 3:	4282.80 ft
Aquifer Base Elevation:	72.60 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.60 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	2.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	1.330 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	4.40 ft		

Comment: Pond 49-1 is located in the parcel NE of the proposed interchange, adjacent to the existing depressional area. Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT and confining layer estimated at 72.6'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-PONDE

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond E-3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E	Perimeter 1:	1807.00 ft
Link Count:	1	Perimeter 2:	2121.00 ft
Flow Direction:	Both	Perimeter 3:	4822.80 ft
Aquifer Base Elevation:	74.80 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.80 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	11.120 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	9.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	5.70 ft		

Comment: Pond E-3 is located in the NW quadrant of the proposed interchange. Boring information from PBS-1, PBS-2, PBS-22 (with confining layer at 72.5'), PBS- 23 and PBS-24 shows the average SHWT and confing layer estimated at 74.8'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-PONDF

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond F-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-PF1	Perimeter 1:	1605.00 ft
Link Count:	1	Perimeter 2:	1919.00 ft
Flow Direction:	Both	Perimeter 3:	4453.79 ft
Aquifer Base Elevation:	76.20 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	76.20 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	2.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	1.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	4.80 ft		

Comment: Pond F-1 is located SE of the proposed interchange. Boring information from PBS-13 and PBS-14 shows the average SHWT and confining layer estimated at 76.2'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-PONDG1

Scenario:	Post-Stacked Storm	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond G1-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1-1	Perimeter 1:	1937.60 ft
Link Count:	1	Perimeter 2:	2251.75 ft
Flow Direction:	Both	Perimeter 3:	4686.13 ft
Aquifer Base Elevation:	62.60 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.60 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	7.750 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	5.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	12.00 ft		

Comment: Pond G1-1 is located in the NE quadrant of the proposed interchange. Boring information from PBS-35 and PBS-38 shows the average SHWT and confiring layer both estimated at 62.6'. FOS of 2 on horizontal and vertical conductivities

Weir Link: W1

Scenario:	Post-Stacked Storm	**Bottom Clip**	
From Node:	F4	Default:	0.00 ft
To Node:	G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	79.87 ft	**Discharge Coefficients**	
Control Elevation:	79.87 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W10

Scenario:	Post-Stacked Storm	**Bottom Clip**	
From Node:	G10	Default:	0.00 ft
To Node:	G11	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	75.40 ft	**Discharge Coefficients**	
Control Elevation:	75.40 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		

Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W11

Scenario:	Post-Stacked Storm
From Node:	G11
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W13

Scenario:	Post-Stacked Storm
From Node:	G13
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.00 ft
Control Elevation:	74.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W14

Scenario:	Post-Stacked Storm
From Node:	G14
To Node:	G13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	

Geometry Type:	Trapezoidal
Invert:	75.50 ft
Control Elevation:	75.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: W2

Scenario:	Post-Stacked Storm
From Node:	G1
To Node:	G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.57 ft
Control Elevation:	75.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W3

Scenario:	Post-Stacked Storm
From Node:	G3
To Node:	Pond G1-1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	6.000 (h:v)
Right Slope:	6.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W4

Scenario:	Post-Stacked Storm
From Node:	G4
To Node:	G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	73.07 ft
Control Elevation:	73.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W5

Scenario:	Post-Stacked Storm
From Node:	G5
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.77 ft
Control Elevation:	70.77 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W6

Scenario:	Post-Stacked Storm
From Node:	G6
To Node:	Depressional Area 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.75 ft
Control Elevation:	70.75 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	30.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W7

Scenario:	Post-Stacked Storm
From Node:	G7
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.50 ft
Control Elevation:	74.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: WEIR D1-D2

Scenario:	Post-Stacked Storm
From Node:	OFF-D1
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	74.00 ft
Control Elevation:	74.00 ft
Cross Section:	X-D1-D2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: WEIR OFF-1

Scenario:	Post-Stacked Storm
From Node:	Depressional Area 1
To Node:	OFF-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Invert:	73.00 ft
Control Elevation:	73.00 ft
Cross Section:	X-OFF-1-W

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the north

Weir Link: WEIR OFF-2

Scenario:	Post-Stacked Storm
From Node:	Depressional Area 2
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.50 ft
Control Elevation:	73.50 ft
Cross Section:	X-OFF-2-W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the east

Weir Link: WF1

Scenario:	Post-Stacked Storm
From Node:	F1
To Node:	F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	86.07 ft
Control Elevation:	86.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF2

Scenario:	Post-Stacked Storm
From Node:	F2
To Node:	F3
Link Count:	1

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	84.57 ft
Control Elevation:	84.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF3

Scenario:	Post-Stacked Storm
From Node:	F3
To Node:	F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	82.87 ft
Control Elevation:	82.87 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Simulation: 25yr-96hr

Scenario: Post-Stacked Storm
Run Date/Time: 1/12/2021 11:23:17 AM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	432.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~SJRWMD-96
Rainfall Amount: 11.50 in
Storm Duration: 96.0000 hr

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

Comment:

SJRWMD Design Storm

25yr-96hr Stacked

ICPR Output

Peak Stage

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked Storm	25yr-96hr	Pond 49-1	83.00	79.30
Post-Stacked Storm	25yr-96hr	Pond E-3	85.00	83.30
Post-Stacked Storm	25yr-96hr	Pond F-1	87.00	82.38
Post-Stacked Storm	25yr-96hr	Pond G1-1	77.60	75.33

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked Storm	25yr-96hr	Depressional Area 1	73.00	72.13
Post-Stacked Storm	25yr-96hr	Depressional Area 2	73.50	70.40
Post-Stacked Storm	25yr-96hr	OFF-D1	73.00	66.00
Post-Stacked Storm	25yr-96hr	OFF-D2	73.50	69.00

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked Storm	25yr-96hr	G1	77.87	76.26
Post-Stacked Storm	25yr-96hr	G10	77.82	76.12
Post-Stacked Storm	25yr-96hr	G11	77.82	75.60
Post-Stacked Storm	25yr-96hr	G12	77.82	70.99
Post-Stacked Storm	25yr-96hr	G13	77.82	74.09
Post-Stacked Storm	25yr-96hr	G14	77.82	75.94
Post-Stacked Storm	25yr-96hr	G3	77.60	75.93
Post-Stacked Storm	25yr-96hr	G4	73.40	72.50
Post-Stacked Storm	25yr-96hr	G5	73.00	70.18
Post-Stacked Storm	25yr-96hr	G6	70.75	70.88
Post-Stacked Storm	25yr-96hr	G7	75.40	74.73

Total Volume

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked Storm	25yr-96hr	Depressional Area 1	425.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	425.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	426.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	426.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	426.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	426.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	427.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	427.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	427.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	427.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	428.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	428.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	428.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	428.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	429.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	429.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	429.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	429.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	430.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	430.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	430.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	430.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	431.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	431.2502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	431.5002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	431.7502	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 1	432.0002	35.74
Post-Stacked Storm	25yr-96hr	Depressional Area 2	0.0000	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	0.2520	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	0.5017	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	0.7509	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	1.0021	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	1.2504	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	1.5011	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	1.7514	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	2.0013	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	2.2510	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	2.5005	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	2.7520	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	3.0010	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	3.2505	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	3.5056	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	3.7556	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	4.0056	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	4.2556	0.00
Post-Stacked Storm	25yr-96hr	Depressional Area 2	4.5056	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked Storm	25yr-96hr	Depressional Area 2	430.2502	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	430.5002	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	430.7502	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	431.0002	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	431.2502	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	431.5002	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	431.7502	0.40
Post-Stacked Storm	25yr-96hr	Depressional Area 2	432.0002	0.40
Post-Stacked Storm	25yr-96hr	OFF-D1	0.0000	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	0.2520	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	0.5017	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	0.7509	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	1.0021	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	1.2504	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	1.5011	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	1.7514	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	2.0013	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	2.2510	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	2.5005	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	2.7520	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	3.0010	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	3.2505	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	3.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	3.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	4.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	4.2556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	4.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	4.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	5.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	5.2556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	5.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	5.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	6.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	6.2556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	6.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	6.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	7.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	7.2556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	7.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	7.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	8.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	8.2556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	8.5056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	8.7556	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	9.0056	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	9.2556	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked Storm	25yr-96hr	OFF-D1	423.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	423.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	424.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	424.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	424.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	424.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	425.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	425.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	425.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	425.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	426.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	426.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	426.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	426.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	427.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	427.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	427.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	427.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	428.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	428.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	428.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	428.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	429.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	429.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	429.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	429.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	430.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	430.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	430.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	430.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	431.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	431.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	431.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	431.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D1	432.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	0.0000	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	0.2520	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	0.5017	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	0.7509	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	1.0021	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	1.2504	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	1.5011	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	1.7514	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	2.0013	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	2.2510	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	2.5005	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked Storm	25yr-96hr	OFF-D2	428.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	428.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	428.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	429.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	429.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	429.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	429.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	430.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	430.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	430.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	430.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	431.0002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	431.2502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	431.5002	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	431.7502	0.00
Post-Stacked Storm	25yr-96hr	OFF-D2	432.0002	0.00

FDOT Storm

100yr-10day Stacked

ICPR Input

Manual Basin: Basin 49

Scenario: Post-Stacked (FDOT)
Node: Pond 49-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
14.8200	Basin 49	Basin 49	

Comment:

Manual Basin: Basin E

Scenario: Post-Stacked (FDOT)
Node: Pond E-3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
25.5000	Basin E	Basin E	

Comment:

Manual Basin: Basin E5

Scenario: Post-Stacked (FDOT)
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2800	Basin E5	Basin E5	

Comment:

Manual Basin: Basin F-OFF

Scenario: Post-Stacked (FDOT)

Node: Pond F-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 84.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
13.2000	Basin F-OFF	Basin F-OFF	

Comment:

Manual Basin: Basin F1

Scenario: Post-Stacked (FDOT)
Node: F1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1000	Basin F1	Basin F1	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F2

Scenario: Post-Stacked (FDOT)
Node: F2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6800	Basin F2	Basin F2	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F3

Scenario: Post-Stacked (FDOT)
Node: F3
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.4500	Basin F3	Basin F3	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F4

Scenario: Post-Stacked (FDOT)
Node: F4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5500	Basin F4	Basin F4	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin G1

Scenario: Post-Stacked (FDOT)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Basin G1	Basin G1	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G10

Scenario: Post-Stacked (FDOT)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min

Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G10	Basin G10	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G11

Scenario: Post-Stacked (FDOT)
Node: G11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9100	Basin G11	Basin G11	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G12

Scenario: Post-Stacked (FDOT)
Node: G12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2300	Basin G12	Basin G12	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G13

Scenario: Post-Stacked (FDOT)
Node: G13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.2400	Basin G13	Basin G13	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G14

Scenario: Post-Stacked (FDOT)
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G14	Basin G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G2

Scenario: Post-Stacked (FDOT)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.9200	Basin G2	Basin G2	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G3

Scenario: Post-Stacked (FDOT)
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.8700	Basin G3	Basin G3	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G4

Scenario: Post-Stacked (FDOT)
Node: G4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.5700	Basin G4	Basin G4	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G5

Scenario: Post-Stacked (FDOT)
Node: G5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.7400	Basin G5	Basin G5	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G6

Scenario: Post-Stacked (FDOT)
Node: G6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.2400	Basin G6	Basin G6	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G7

Scenario: Post-Stacked (FDOT)
Node: G7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2800	Basin G7/8	Basin G7/8	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G9

Scenario: Post-Stacked (FDOT)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.8100	Basin G9	Basin G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin Pond G1-1

Scenario: Post-Stacked (FDOT)
Node: Pond G1-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 39.2000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.0400	Basin Pond G1-1	Basin Pond G1-1	

Comment: Total Basin G1-1 is made up of Basin Pond G1-1, G1, G2, G2-OFF, G3-OFF and G3 (7.04+0.67+3.92+3.2+1.87+1.54=18.24

Ac)

Manual Basin: NE OFFSITE

Scenario: Post-Stacked (FDOT)
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 34.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
77.4300	OFFSITE	OFFSITE	

Comment:

Manual Basin: OFF-G14

Scenario: Post-Stacked (FDOT)
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6300	OFF G14	OFF G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G2

Scenario: Post-Stacked (FDOT)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2000	OFF G2	OFF G2	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G3

Scenario: Post-Stacked (FDOT)
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5400	OFF G3	OFF G3	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G9

Scenario: Post-Stacked (FDOT)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.0700	OFF G9	OFF G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: SE OFFSITE

Scenario: Post-Stacked (FDOT)
Node: SE-OFF
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.3000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
23.1500	OFFSITE	OFFSITE	

Comment:

Node: Depressional Area 1

Scenario: Post-Stacked (FDOT)

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	0.1200	5227
67.00	1.7600	76666
68.00	3.4700	151153
69.00	5.5900	243500
70.00	7.6700	334105
71.00	9.6700	421225
72.00	11.8100	514444
73.00	13.8600	603742

Comment:

Node: Depressional Area 2

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.28 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.28	0.0000	0
70.00	0.3200	13939
71.00	2.3300	101495
72.00	3.7100	161608
73.00	6.0200	262231
73.50	9.7000	422532

Comment:

Node: F1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 84.07 ft
Warning Stage: 86.47 ft

Stage [ft]	Area [ac]	Area [ft2]
84.07	0.0000	0
84.37	0.0220	958
84.67	0.0340	1481
84.97	0.0480	2091
85.27	0.0630	2744
85.57	0.0810	3528
85.87	0.0990	4312

Stage [ft]	Area [ac]	Area [ft2]
86.17	0.1190	5184
86.47	0.1400	6098

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F2

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 82.07 ft
Warning Stage: 85.07 ft

Stage [ft]	Area [ac]	Area [ft2]
82.07	0.0000	0
82.37	0.0840	3659
82.67	0.0980	4269
82.97	0.1120	4879
83.27	0.1260	5489
83.57	0.1400	6098
83.87	0.1550	6752
84.17	0.1710	7449
84.47	0.1860	8102
85.07	0.2240	9757

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F3

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.67 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0850	3703
80.87	0.1030	4487
81.27	0.1210	5271
81.67	0.1390	6055
82.07	0.1580	6882
82.47	0.1780	7754
82.87	0.1980	8625
83.27	0.2210	9627
83.67	0.2460	10716

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F4

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 77.07 ft
Warning Stage: 80.97 ft

Stage [ft]	Area [ac]	Area [ft2]
77.07	0.0000	0
77.57	0.3020	13155
78.07	0.3660	15943
78.57	0.4320	18818
79.07	0.4990	21736
79.57	0.5670	24699
80.07	0.6360	27704
80.57	0.7060	30753
80.97	0.7760	33803

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: G1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.87 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.47	0.2840	12371
74.87	0.3600	15682
75.27	0.4370	19036
75.67	0.5140	22390
76.07	0.5920	25788
76.47	0.6840	29795
76.87	0.7770	33846
77.27	0.8730	38028
77.87	1.0210	44475

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: G10

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.57 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
71.57	0.0000	0
71.67	0.0410	1786
72.37	0.0600	2614
72.77	0.0810	3528
73.17	0.1020	4443
73.57	0.1350	5881
73.97	0.1480	6447
74.37	0.1760	7667
74.77	0.2060	8973

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G11

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0500	2178
70.87	0.0630	2744
71.27	0.0780	3398
71.67	0.0940	4095
72.07	0.1110	4835
72.47	0.1300	5663
72.87	0.1500	6534
73.27	0.1730	7536

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G12

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.67	0.2040	8886
69.27	0.2680	11674
69.87	0.3340	14549
70.47	0.4040	17598
71.07	0.4760	20735

Stage [ft]	Area [ac]	Area [ft2]
71.67	0.5500	23958
72.27	0.6320	27530

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G13

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0580	2526
70.87	0.0780	3398
71.27	0.1000	4356
71.67	0.1220	5314
72.07	0.1460	6360
72.47	0.1710	7449
72.87	0.1990	8668
73.67	0.2620	11413

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G14

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.27	0.0320	1394
74.47	0.0430	1873
74.67	0.0560	2439
74.87	0.0700	3049
75.07	0.0850	3703
75.27	0.0990	4312
75.47	0.1140	4966
75.67	0.1280	5576

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G3

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 72.57 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
72.57	0.0000	0
72.87	0.0340	1481
73.17	0.0490	2134
73.47	0.0640	2788
73.77	0.0810	3528
74.07	0.0980	4269
74.37	0.1180	5140
74.67	0.1400	6098
75.07	0.1690	7362

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1
Warning stage based on low edge of pavement

Node: G4

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 73.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0540	2352
71.87	0.0670	2919
72.27	0.0820	3572
72.67	0.0990	4312
73.07	0.1180	5140
73.47	0.1390	6055
73.87	0.1610	7013
74.07	0.1710	7449

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G5

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.57	0.0570	2483
69.07	0.0740	3223
69.57	0.0930	4051
70.07	0.1140	4966
70.57	0.1370	5968
71.07	0.1610	7013
71.57	0.1880	8189
71.97	0.2100	9148

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on R/W

Node: G6

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.57 ft
Warning Stage: 70.47 ft

Stage [ft]	Area [ac]	Area [ft2]
66.57	0.0000	0
67.07	0.1740	7579
67.57	0.2250	9801
68.07	0.2780	12110
68.57	0.3080	13416
69.07	0.3900	16988
69.57	0.4490	19558
70.07	0.5090	22172
70.47	0.5680	24742

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on overflow into Depressional Area 2

Node: G7

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 75.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0840	3659
71.87	0.1010	4400
72.27	0.1180	5140
72.67	0.1360	5924
73.07	0.1560	6795

Stage [ft]	Area [ac]	Area [ft2]
73.47	0.1770	7710
73.87	0.2010	8756
74.27	0.2260	9845
74.67	0.2520	10977

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: GW-49

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.60 ft
Warning Stage: 76.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.60
0	0	0	96.0000	72.60

Comment: Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT estimated at 72.6'

Node: GW-E

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.80 ft
Warning Stage: 78.50 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.80
0	0	0	96.0000	74.80

Comment: Boring information from PBS-1, PBS-2, PBS-22, PBS- 23 and PBS-24 shows the average SHWT estimated at 74.8'

Node: GW-E5

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 80.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	72.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-F1

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 79.07 ft
Warning Stage: 86.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	79.07
0	0	0	96.0000	79.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F2

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 78.07 ft
Warning Stage: 84.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	78.07
0	0	0	96.0000	78.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F3

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 83.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.07
0	0	0	96.0000	74.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F4

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 77.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	96.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-G1

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 78.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	71.07
0	0	0	96.0000	71.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G1-1

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.60 ft
Warning Stage: 73.60 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.60
0	0	0	96.0000	62.60

Comment: Boring information from PBS-36 and PBS-38 shows the average SHWT estimated at 62.6'.

Node: GW-G10

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 67.07 ft

Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	67.07
0	0	0	96.0000	67.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G11

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 72.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G12

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G13

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G14

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 75.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	68.07
0	0	0	96.0000	68.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G2

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 69.07 ft
Warning Stage: 75.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	69.07
0	0	0	96.0000	69.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G3

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G4

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G5

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 71.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G6

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 61.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	61.07
0	0	0	96.0000	61.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G7

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft

Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-PF1

Scenario: Post-Stacked (FDOT)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 76.20 ft
Warning Stage: 84.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	76.20
0	0	0	96.0000	76.20

Comment: Boring information from PBS-13 and PBS-14 shows the average SHWT estimated at 76.20'.

Node: MH E-3

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 75.00 ft
Warning Stage: 77.00 ft

Stage [ft]	Area [ac]	Area [ft2]
75.00	0.0010	44
77.00	0.0010	44

Comment:

Node: NE5

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.27 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0450	1960
80.87	0.0580	2526

Stage [ft]	Area [ac]	Area [ft2]
81.27	0.0710	3093
81.67	0.0850	3703
82.07	0.1000	4356
82.47	0.1150	5009
82.87	0.1310	5706
83.27	0.1490	6490

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: OFF-D1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	1.0100	43996
67.00	1.4500	63162
70.00	2.6800	116741
71.00	2.9000	126324
72.00	3.6100	157252
73.00	3.8500	167706
74.00	4.2600	185566

Comment: Represents offsite pop-off location for Depressional Area 1

Node: OFF-D2

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.00 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.00	0.0500	2178
70.00	2.0700	90169
71.00	7.7400	337154
72.00	13.5300	589367
73.00	20.5600	895594

Comment: Represents offsite pop-off location for Depressional Area 2

Node: Pond 49-1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 77.44 ft
Warning Stage: 83.00 ft

Stage [ft]	Area [ac]	Area [ft2]
77.00	1.1300	49223
78.03	1.2700	55321
80.11	1.5000	65340
81.08	1.6300	71003
84.00	1.9600	85378
85.00	2.6300	114563

Comment:

Node: Pond E-3

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 81.98 ft
Warning Stage: 85.00 ft

Stage [ft]	Area [ac]	Area [ft2]
80.50	2.9800	129809
81.66	3.1400	136778
84.23	3.5200	153331
86.87	3.9300	171191
87.00	3.9500	172062
88.00	4.5500	198198

Comment: Warning stage set to low edge of pavement

Node: Pond F-1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 81.33 ft
Warning Stage: 87.00 ft

Stage [ft]	Area [ac]	Area [ft2]
81.00	1.5000	65340
81.93	1.5900	69260
81.98	1.6000	69696
82.35	1.6500	71874
88.00	2.3000	100188
89.00	2.9400	128066

Comment:

Node: Pond G1-1

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.60 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
74.60	2.9300	127631
75.12	3.0100	131116
76.97	3.2600	142006
78.89	3.5300	153767
81.00	3.8600	168142
82.00	4.6000	200376

Comment: Warning stage based on low edge of pavement

Node: SE-OFF

Scenario: Post-Stacked (FDOT)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 78.00 ft
Warning Stage: 82.40 ft

Stage [ft]	Area [ac]	Area [ft2]
78.00	0.0100	436
82.00	0.1000	4356
82.40	0.1000	4356

Comment: Warning stage set at roadway sag

Pipe Link: CD-2

Scenario: Post-Stacked (FDOT)
From Node: F4
To Node: NE5
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 196.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	80.84 ft	Invert:	80.15 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-3		Upstream		Downstream	
Scenario:	Post-Stacked	Invert:	70.11 ft	Invert:	67.83 ft
	(FDOT)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	G12	Geometry: Circular		Geometry: Circular	
To Node:	G6	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	170.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment: Information from survey					

Pipe Link: CD-4		Upstream		Downstream	
Scenario:	Post-Stacked	Invert:	78.00 ft	Invert:	73.00 ft
	(FDOT)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	SE-OFF	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	182.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Drop Structure Link: DS POND 49		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked	Invert:	70.00 ft	Invert:	66.00 ft
	(FDOT)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond 49-1	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	155.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Pipe Comment: DS INVERT SET TO BOTTOM OF DEPRESSION

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	78.03 ft	Ref Node:	
Control Elevation:	78.03 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS POND E		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked (FDOT)	Invert:	76.00 ft	Invert:	75.50 ft
From Node:	Pond E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	400.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: DS INVERT SET PER DITCH FL IN I-75 R/W

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	83.20 ft	Ref Node:	
Control Elevation:	83.20 ft		

Max Depth:	2.00 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Drop Structure Link: DS POND F		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked (FDOT)	Invert:	78.00 ft	Invert:	77.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond F-1	Geometry: Circular		Geometry: Circular	
To Node:	Pond 49-1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	400.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF POND 49-1

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	81.98 ft
Control Elevation:	81.98 ft
Max Depth:	2.00 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: Invert based on treatment volume required

Drop Structure Comment:

Drop Structure Link: DS POND G1	Upstream Pipe	Downstream Pipe

Scenario:	Post-Stacked	Invert:	70.00 ft	Invert:	66.00 ft
	(FDOT)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond G1-1	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	140.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF DEPRESSION 1

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	76.90 ft	Op Table:	
Control Elevation:	76.90 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	3.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: L-E3		Upstream		Downstream	
Scenario:	Post-Stacked	Invert:	75.50 ft	Invert:	73.00 ft
	(FDOT)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	MH E-3	Geometry: Circular		Geometry: Circular	
To Node:	G10	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	900.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-3		Upstream		Downstream	
Scenario:	Post-Stacked (FDOT)	Invert:	80.00 ft	Invert:	76.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NE5	Geometry: Circular		Geometry: Circular	
To Node:	MH E-3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	900.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Percolation Link: PERC-E5			
Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	NE5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E5	Perimeter 1:	313.30 ft
Link Count:	1	Perimeter 2:	713.00 ft
Flow Direction:	Both	Perimeter 3:	3693.00 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	3.150 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	2.100 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F1			
Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F1	Perimeter 1:	404.00 ft
Link Count:	1	Perimeter 2:	744.11 ft
Flow Direction:	Both	Perimeter 3:	2369.04 ft
Aquifer Base Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	79.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		

Layer Thickness: 7.00 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F2

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F2	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F2	Perimeter 1:	577.50 ft
Link Count:	1	Perimeter 2:	1046.16 ft
Flow Direction:	Both	Perimeter 3:	2007.42 ft
Aquifer Base Elevation:	71.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	78.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F3

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F3	Perimeter 1:	511.30 ft
Link Count:	1	Perimeter 2:	772.42 ft
Flow Direction:	Both	Perimeter 3:	1603.85 ft
Aquifer Base Elevation:	68.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F4

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F4	Perimeter 1:	1552.00 ft
Link Count:	1	Perimeter 2:	1835.49 ft
Flow Direction:	Both	Perimeter 3:	2171.02 ft
Aquifer Base Elevation:	64.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		

Fillable Porosity:	0.200
Layer Thickness:	8.75 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-G1

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1	Perimeter 1:	402.66 ft
Link Count:	1	Perimeter 2:	718.56 ft
Flow Direction:	Both	Perimeter 3:	1046.88 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	71.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G10

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G10	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G10	Perimeter 1:	530.00 ft
Link Count:	1	Perimeter 2:	887.78 ft
Flow Direction:	Both	Perimeter 3:	2693.05 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	67.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G11

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G11	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G11	Perimeter 1:	342.66 ft
Link Count:	1	Perimeter 2:	667.49 ft
Flow Direction:	Both	Perimeter 3:	1633.47 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45

Vertical Conductivity:	18.000 fpd
Fillable Porosity:	0.200
Layer Thickness:	6.00 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G12

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G12	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G12	Perimeter 1:	1115.14 ft
Link Count:	1	Perimeter 2:	1448.86 ft
Flow Direction:	Both	Perimeter 3:	2502.20 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G13

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G13	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G13	Perimeter 1:	555.00 ft
Link Count:	1	Perimeter 2:	864.01 ft
Flow Direction:	Both	Perimeter 3:	1904.77 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G14

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G14	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G14	Perimeter 1:	628.00 ft
Link Count:	1	Perimeter 2:	971.81 ft
Flow Direction:	Both	Perimeter 3:	2791.16 ft
Aquifer Base Elevation:	61.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	68.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10

Horizontal Conductivity:	27.000 fpd		
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G2

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G2	Perimeter 1:	1519.00 ft
Link Count:	1	Perimeter 2:	1853.22 ft
Flow Direction:	Both	Perimeter 3:	2123.75 ft
Aquifer Base Elevation:	63.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	69.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G3

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G3	Perimeter 1:	538.50 ft
Link Count:	1	Perimeter 2:	864.99 ft
Flow Direction:	Both	Perimeter 3:	1071.47 ft
Aquifer Base Elevation:	58.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G4

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G4	Perimeter 1:	351.34 ft
Link Count:	1	Perimeter 2:	634.78 ft
Flow Direction:	Both	Perimeter 3:	814.79 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft

Annual Recharge Rate:	0 ipy		
Horizontal Conductivity:	29.250 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	19.500 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G5

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G5	Perimeter 1:	368.00 ft
Link Count:	1	Perimeter 2:	703.05 ft
Flow Direction:	Both	Perimeter 3:	888.64 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G6

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G6	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G6	Perimeter 1:	1116.66 ft
Link Count:	1	Perimeter 2:	1470.67 ft
Flow Direction:	Both	Perimeter 3:	2471.40 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	61.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G7

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G7	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G7	Perimeter 1:	381.00 ft
Link Count:	1	Perimeter 2:	758.48 ft
Flow Direction:	Both	Perimeter 3:	2600.17 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft

Water Table Elevation:	63.07 ft		
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	27.000 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	10.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-POND49

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond 49-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-49	Perimeter 1:	1510.00 ft
Link Count:	1	Perimeter 2:	1824.00 ft
Flow Direction:	Both	Perimeter 3:	4282.80 ft
Aquifer Base Elevation:	72.60 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.60 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	2.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	1.330 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	4.40 ft		

Comment: Pond 49-1 is located in the parcel NE of the proposed interchange, adjacent to the existing depressional area. Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT and confining layer estimated at 72.6'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-POND E

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond E-3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E	Perimeter 1:	1807.00 ft
Link Count:	1	Perimeter 2:	2121.00 ft
Flow Direction:	Both	Perimeter 3:	4822.80 ft
Aquifer Base Elevation:	74.80 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.80 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	11.120 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	9.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	5.70 ft		

Comment: Pond E-3 is located in the NW quadrant of the proposed interchange. Boring information from PBS-1, PBS-2, PBS-22 (with confining layer at 72.5'), PBS- 23 and PBS-24 shows the average SHWT and confing layer estimated at 74.8'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-POND F

Scenario:	Post-Stacked (FDOT)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond F-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-PF1	Perimeter 1:	1605.00 ft

Link Count:	1
Flow Direction:	Both
Aquifer Base Elevation:	76.20 ft
Water Table Elevation:	76.20 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	2.250 fpd
Vertical Conductivity:	1.500 fpd
Fillable Porosity:	0.200
Layer Thickness:	4.80 ft

Perimeter 2:	1919.00 ft
Perimeter 3:	4453.79 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	450.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	45

Comment: Pond F-1 is located SE of the proposed interchange. Boring information from PBS-13 and PBS-14 shows the average SHWT and confining layer estimated at 76.2'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-PONDG1

Scenario:	Post-Stacked (FDOT)
From Node:	Pond G1-1
To Node:	GW-G1-1
Link Count:	1
Flow Direction:	Both
Aquifer Base Elevation:	62.60 ft
Water Table Elevation:	62.60 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	7.750 fpd
Vertical Conductivity:	5.000 fpd
Fillable Porosity:	0.200
Layer Thickness:	12.00 ft

Surface Area Option:	Vary Based on Stage/Area Table
Vertical Flow Termination:	Horizontal Flow Algorithm
Perimeter 1:	1937.60 ft
Perimeter 2:	2251.75 ft
Perimeter 3:	4686.13 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	450.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	45

Comment: Pond G1-1 is located in the NE quadrant of the proposed interchange. Boring information from PBS-35 and PBS-38 shows the average SHWT and confiring layer both estimated at 62.6'. FOS of 2 on horizontal and vertical conductivities

Weir Link: W1

Scenario:	Post-Stacked (FDOT)
From Node:	F4
To Node:	G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	79.87 ft
Control Elevation:	79.87 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W10

Scenario:	Post-Stacked (FDOT)
From Node:	G10
To Node:	G11
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.40 ft
Control Elevation:	75.40 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W11

Scenario:	Post-Stacked (FDOT)
From Node:	G11
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W13

Scenario:	Post-Stacked (FDOT)
From Node:	G13
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.00 ft
Control Elevation:	74.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W14

Scenario:	Post-Stacked (FDOT)
From Node:	G14
To Node:	G13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.50 ft
Control Elevation:	75.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W2

Scenario:	Post-Stacked (FDOT)
From Node:	G1
To Node:	G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.57 ft
Control Elevation:	75.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W3

Scenario:	Post-Stacked (FDOT)
From Node:	G3
To Node:	Pond G1-1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Trapezoidal	Op Table:	
Invert:	75.00 ft	Ref Node:	
Control Elevation:	75.00 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	6.000 (h:v)	Orifice Table:	
Right Slope:	6.000 (h:v)		

Comment: raised existing weir

Weir Link: W4

Scenario:	Post-Stacked (FDOT)	Bottom Clip	
From Node:	G4	Default:	0.00 ft
To Node:	G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	73.07 ft	Discharge Coefficients	
Control Elevation:	73.07 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W5

Scenario:	Post-Stacked (FDOT)	Bottom Clip	
From Node:	G5	Default:	0.00 ft
To Node:	G6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	70.77 ft	Discharge Coefficients	
Control Elevation:	70.77 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W6

Scenario:	Post-Stacked (FDOT)
From Node:	G6
To Node:	Depressional Area 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.75 ft
Control Elevation:	70.75 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	30.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W7

Scenario:	Post-Stacked (FDOT)
From Node:	G7
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.50 ft
Control Elevation:	74.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: WEIR D1-D2

Scenario:	Post-Stacked (FDOT)
From Node:	OFF-D1
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	74.00 ft
Control Elevation:	74.00 ft
Cross Section:	X-D1-D2

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

Orifice Table:

Comment:

Weir Link: WEIR OFF-1

Scenario:	Post-Stacked (FDOT)
From Node:	Depressional Area 1
To Node:	OFF-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.00 ft
Control Elevation:	73.00 ft
Cross Section:	X-OFF-1-W

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the north

---

Weir Link: WEIR OFF-2

Scenario:	Post-Stacked (FDOT)
From Node:	Depressional Area 2
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.50 ft
Control Elevation:	73.50 ft
Cross Section:	X-OFF-2-W

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the east

---

Weir Link: WF1

Scenario:	Post-Stacked (FDOT)
From Node:	F1
To Node:	F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	86.07 ft
Control Elevation:	86.07 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200

Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF2

Scenario:	Post-Stacked (FDOT)
From Node:	F2
To Node:	F3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	84.57 ft
Control Elevation:	84.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF3

Scenario:	Post-Stacked (FDOT)
From Node:	F3
To Node:	F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	82.87 ft
Control Elevation:	82.87 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Simulation: 100yr-10day

Scenario:	Post-Stacked (FDOT)
Run Date/Time:	1/12/2021 11:12:04 AM
Program Version:	ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	960.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~FDOT-240
Rainfall Amount: 16.80 in
Storm Duration: 240.0000 hr

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

Comment:

FDOT Storm

100yr-10day Stacked

ICPR Output

Peak Stage

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (FDOT)	100yr-10day	Pond 49-1	83.00	78.62
Post-Stacked (FDOT)	100yr-10day	Pond E-3	85.00	83.91
Post-Stacked (FDOT)	100yr-10day	Pond F-1	87.00	82.35
Post-Stacked (FDOT)	100yr-10day	Pond G1-1	77.60	75.22

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	73.00	73.70
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	73.50	72.35
Post-Stacked (FDOT)	100yr-10day	OFF-D1	73.00	73.70
Post-Stacked (FDOT)	100yr-10day	OFF-D2	73.50	69.00

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (FDOT)	100yr-10day	G1	77.87	75.96
Post-Stacked (FDOT)	100yr-10day	G10	77.82	75.83
Post-Stacked (FDOT)	100yr-10day	G11	77.82	75.43
Post-Stacked (FDOT)	100yr-10day	G12	77.82	72.35
Post-Stacked (FDOT)	100yr-10day	G13	77.82	73.38
Post-Stacked (FDOT)	100yr-10day	G14	77.82	75.61
Post-Stacked (FDOT)	100yr-10day	G3	77.60	75.44
Post-Stacked (FDOT)	100yr-10day	G4	73.40	71.67
Post-Stacked (FDOT)	100yr-10day	G5	73.00	72.35
Post-Stacked (FDOT)	100yr-10day	G6	70.75	72.35
Post-Stacked (FDOT)	100yr-10day	G7	75.40	74.61

Peak Discharge

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	53.88
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	13.85
Post-Stacked (FDOT)	100yr-10day	OFF-D1	10.62
Post-Stacked (FDOT)	100yr-10day	OFF-D2	0.00

Total Volume

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	954.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	954.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	955.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	955.2535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	955.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	955.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	956.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	956.2535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	956.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	956.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	957.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	957.2535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	957.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	957.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	958.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	958.2535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	958.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	958.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	959.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	959.2535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	959.5035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	959.7535	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 1	960.0035	76.66
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	0.0000	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	0.2520	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	0.5017	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	0.7509	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	1.0021	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	1.2504	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	1.5011	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	1.7514	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	2.0013	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	2.2510	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	2.5005	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	2.7520	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	3.0010	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	3.2505	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	3.5056	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	3.7556	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	4.0056	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	4.2556	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	4.5056	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	4.7556	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	5.0056	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	5.2556	0.00
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	5.5056	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	948.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	949.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	949.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	949.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	949.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	950.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	950.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	950.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	950.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	951.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	951.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	951.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	951.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	952.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	952.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	952.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	952.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	953.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	953.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	953.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	953.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	954.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	954.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	954.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	954.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	955.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	955.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	955.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	955.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	956.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	956.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	956.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	956.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	957.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	957.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	957.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	957.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	958.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	958.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	958.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	958.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	959.0035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	959.2535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	959.5035	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	959.7535	5.90
Post-Stacked (FDOT)	100yr-10day	Depressional Area 2	960.0035	5.90

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked (FDOT)	100yr-10day	OFF-D1	954.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	954.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	955.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	955.2535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	955.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	955.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	956.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	956.2535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	956.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	956.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	957.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	957.2535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	957.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	957.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	958.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	958.2535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	958.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	958.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	959.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	959.2535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	959.5035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	959.7535	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D1	960.0035	19.99
Post-Stacked (FDOT)	100yr-10day	OFF-D2	0.0000	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	0.2520	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	0.5017	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	0.7509	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	1.0021	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	1.2504	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	1.5011	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	1.7514	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	2.0013	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	2.2510	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	2.5005	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	2.7520	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	3.0010	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	3.2505	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	3.5056	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	3.7556	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	4.0056	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	4.2556	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	4.5056	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	4.7556	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	5.0056	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	5.2556	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	5.5056	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Post-Stacked (FDOT)	100yr-10day	OFF-D2	948.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	949.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	949.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	949.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	949.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	950.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	950.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	950.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	950.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	951.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	951.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	951.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	951.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	952.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	952.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	952.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	952.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	953.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	953.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	953.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	953.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	954.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	954.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	954.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	954.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	955.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	955.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	955.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	955.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	956.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	956.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	956.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	956.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	957.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	957.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	957.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	957.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	958.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	958.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	958.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	958.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	959.0035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	959.2535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	959.5035	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	959.7535	0.00
Post-Stacked (FDOT)	100yr-10day	OFF-D2	960.0035	0.00

SJRWMD Design Storm

25yr-24hr Stacked

ICPR Input

Manual Basin: Basin 49

Scenario: Post-Stacked (25yr-24hr)
Node: Pond 49-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
14.8200	Basin 49	Basin 49	

Comment:

Manual Basin: Basin E

Scenario: Post-Stacked (25yr-24hr)
Node: Pond E-3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
25.5000	Basin E	Basin E	

Comment:

Manual Basin: Basin E5

Scenario: Post-Stacked (25yr-24hr)
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2800	Basin E5	Basin E5	

Comment:

Manual Basin: Basin F-OFF

Scenario: Post-Stacked (25yr-24hr)

Node: Pond F-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 84.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
13.2000	Basin F-OFF	Basin F-OFF	

Comment:

Manual Basin: Basin F1

Scenario: Post-Stacked (25yr-24hr)
Node: F1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1000	Basin F1	Basin F1	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F2

Scenario: Post-Stacked (25yr-24hr)
Node: F2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6800	Basin F2	Basin F2	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F3

Scenario: Post-Stacked (25yr-24hr)
Node: F3
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.4500	Basin F3	Basin F3	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F4

Scenario: Post-Stacked (25yr-24hr)
Node: F4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5500	Basin F4	Basin F4	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin G1

Scenario: Post-Stacked (25yr-24hr)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Basin G1	Basin G1	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G10

Scenario: Post-Stacked (25yr-24hr)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min

Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G10	Basin G10	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G11

Scenario: Post-Stacked (25yr-24hr)
Node: G11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9100	Basin G11	Basin G11	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G12

Scenario: Post-Stacked (25yr-24hr)
Node: G12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2300	Basin G12	Basin G12	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G13

Scenario: Post-Stacked (25yr-24hr)
Node: G13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.2400	Basin G13	Basin G13	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G14

Scenario: Post-Stacked (25yr-24hr)
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G14	Basin G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G2

Scenario: Post-Stacked (25yr-24hr)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.9200	Basin G2	Basin G2	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G3

Scenario: Post-Stacked (25yr-24hr)
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.8700	Basin G3	Basin G3	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G4

Scenario: Post-Stacked (25yr-24hr)
Node: G4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.5700	Basin G4	Basin G4	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G5

Scenario: Post-Stacked (25yr-24hr)
Node: G5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.7400	Basin G5	Basin G5	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G6

Scenario: Post-Stacked (25yr-24hr)
Node: G6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.2400	Basin G6	Basin G6	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G7

Scenario: Post-Stacked (25yr-24hr)
Node: G7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2800	Basin G7/8	Basin G7/8	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G9

Scenario: Post-Stacked (25yr-24hr)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.8100	Basin G9	Basin G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin Pond G1-1

Scenario: Post-Stacked (25yr-24hr)
Node: Pond G1-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 39.2000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.0400	Basin Pond G1-1	Basin Pond G1-1	

Comment: Total Basin G1-1 is made up of Basin Pond G1-1, G1, G2, G2-OFF, G3-OFF and G3 (7.04+0.67+3.92+3.2+1.87+1.54=18.24

Ac)

Manual Basin: NE OFFSITE

Scenario: Post-Stacked (25yr-24hr)
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 34.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
77.4300	OFFSITE	OFFSITE	

Comment:

Manual Basin: OFF-G14

Scenario: Post-Stacked (25yr-24hr)
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6300	OFF G14	OFF G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G2

Scenario: Post-Stacked (25yr-24hr)
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2000	OFF G2	OFF G2	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G3

Scenario: Post-Stacked (25yr-24hr)
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5400	OFF G3	OFF G3	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G9

Scenario: Post-Stacked (25yr-24hr)
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.0700	OFF G9	OFF G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: SE OFFSITE

Scenario: Post-Stacked (25yr-24hr)
Node: SE-OFF
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.3000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
23.1500	OFFSITE	OFFSITE	

Comment:

Node: Depressional Area 1

Scenario: Post-Stacked (25yr-24hr)

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	0.1200	5227
67.00	1.7600	76666
68.00	3.4700	151153
69.00	5.5900	243500
70.00	7.6700	334105
71.00	9.6700	421225
72.00	11.8100	514444
73.00	13.8600	603742

Comment:

Node: Depressional Area 2

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.28 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.28	0.0000	0
70.00	0.3200	13939
71.00	2.3300	101495
72.00	3.7100	161608
73.00	6.0200	262231
73.50	9.7000	422532

Comment:

Node: F1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 84.07 ft
Warning Stage: 86.47 ft

Stage [ft]	Area [ac]	Area [ft2]
84.07	0.0000	0
84.37	0.0220	958
84.67	0.0340	1481
84.97	0.0480	2091
85.27	0.0630	2744
85.57	0.0810	3528
85.87	0.0990	4312

Stage [ft]	Area [ac]	Area [ft2]
86.17	0.1190	5184
86.47	0.1400	6098

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F2

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 82.07 ft
Warning Stage: 85.07 ft

Stage [ft]	Area [ac]	Area [ft2]
82.07	0.0000	0
82.37	0.0840	3659
82.67	0.0980	4269
82.97	0.1120	4879
83.27	0.1260	5489
83.57	0.1400	6098
83.87	0.1550	6752
84.17	0.1710	7449
84.47	0.1860	8102
85.07	0.2240	9757

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F3

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.67 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0850	3703
80.87	0.1030	4487
81.27	0.1210	5271
81.67	0.1390	6055
82.07	0.1580	6882
82.47	0.1780	7754
82.87	0.1980	8625
83.27	0.2210	9627
83.67	0.2460	10716

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F4

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 77.07 ft
Warning Stage: 80.97 ft

Stage [ft]	Area [ac]	Area [ft2]
77.07	0.0000	0
77.57	0.3020	13155
78.07	0.3660	15943
78.57	0.4320	18818
79.07	0.4990	21736
79.57	0.5670	24699
80.07	0.6360	27704
80.57	0.7060	30753
80.97	0.7760	33803

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: G1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.87 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.47	0.2840	12371
74.87	0.3600	15682
75.27	0.4370	19036
75.67	0.5140	22390
76.07	0.5920	25788
76.47	0.6840	29795
76.87	0.7770	33846
77.27	0.8730	38028
77.87	1.0210	44475

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: G10

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.57 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
71.57	0.0000	0
71.67	0.0410	1786
72.37	0.0600	2614
72.77	0.0810	3528
73.17	0.1020	4443
73.57	0.1350	5881
73.97	0.1480	6447
74.37	0.1760	7667
74.77	0.2060	8973

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G11

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0500	2178
70.87	0.0630	2744
71.27	0.0780	3398
71.67	0.0940	4095
72.07	0.1110	4835
72.47	0.1300	5663
72.87	0.1500	6534
73.27	0.1730	7536

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G12

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.67	0.2040	8886
69.27	0.2680	11674
69.87	0.3340	14549
70.47	0.4040	17598
71.07	0.4760	20735

Stage [ft]	Area [ac]	Area [ft2]
71.67	0.5500	23958
72.27	0.6320	27530

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G13

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0580	2526
70.87	0.0780	3398
71.27	0.1000	4356
71.67	0.1220	5314
72.07	0.1460	6360
72.47	0.1710	7449
72.87	0.1990	8668
73.67	0.2620	11413

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G14

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.27	0.0320	1394
74.47	0.0430	1873
74.67	0.0560	2439
74.87	0.0700	3049
75.07	0.0850	3703
75.27	0.0990	4312
75.47	0.1140	4966
75.67	0.1280	5576

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G3

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 72.57 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
72.57	0.0000	0
72.87	0.0340	1481
73.17	0.0490	2134
73.47	0.0640	2788
73.77	0.0810	3528
74.07	0.0980	4269
74.37	0.1180	5140
74.67	0.1400	6098
75.07	0.1690	7362

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1
Warning stage based on low edge of pavement

Node: G4

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 73.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0540	2352
71.87	0.0670	2919
72.27	0.0820	3572
72.67	0.0990	4312
73.07	0.1180	5140
73.47	0.1390	6055
73.87	0.1610	7013
74.07	0.1710	7449

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: G5

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.57	0.0570	2483
69.07	0.0740	3223
69.57	0.0930	4051
70.07	0.1140	4966
70.57	0.1370	5968
71.07	0.1610	7013
71.57	0.1880	8189
71.97	0.2100	9148

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on R/W

Node: G6

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.57 ft
Warning Stage: 70.75 ft

Stage [ft]	Area [ac]	Area [ft2]
66.57	0.0000	0
67.07	0.1740	7579
67.57	0.2250	9801
68.07	0.2780	12110
68.57	0.3080	13416
69.07	0.3900	16988
69.57	0.4490	19558
70.07	0.5090	22172
70.47	0.5680	24742

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on overflow into Depressional Area 2

Node: G7

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 75.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0840	3659
71.87	0.1010	4400
72.27	0.1180	5140
72.67	0.1360	5924
73.07	0.1560	6795

Stage [ft]	Area [ac]	Area [ft2]
73.47	0.1770	7710
73.87	0.2010	8756
74.27	0.2260	9845
74.67	0.2520	10977

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on low edge of pavement

Node: GW-49

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.60 ft
Warning Stage: 76.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.60
0	0	0	96.0000	72.60

Comment: Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT estimated at 72.6'

Node: GW-E

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.80 ft
Warning Stage: 78.50 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.80
0	0	0	96.0000	74.80

Comment: Boring information from PBS-1, PBS-2, PBS-22, PBS- 23 and PBS-24 shows the average SHWT estimated at 74.8'

Node: GW-E5

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 80.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	72.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-F1

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 79.07 ft
Warning Stage: 86.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	79.07
0	0	0	96.0000	79.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F2

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 78.07 ft
Warning Stage: 84.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	78.07
0	0	0	96.0000	78.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F3

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 83.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.07
0	0	0	96.0000	74.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F4

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 77.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	96.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-G1

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 78.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	71.07
0	0	0	96.0000	71.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G1-1

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.60 ft
Warning Stage: 73.60 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.60
0	0	0	96.0000	62.60

Comment: Boring information from PBS-36 and PBS-38 shows the average SHWT estimated at 62.6'.

Node: GW-G10

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 67.07 ft

Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	67.07
0	0	0	96.0000	67.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G11

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 72.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G12

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G13

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G14

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 75.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	68.07
0	0	0	96.0000	68.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G2

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 69.07 ft
Warning Stage: 75.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	69.07
0	0	0	96.0000	69.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G3

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G1-1

Node: GW-G4

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G5

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 71.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G6

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 61.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	61.07
0	0	0	96.0000	61.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-G7

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft

Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2

Node: GW-PF1

Scenario: Post-Stacked (25yr-24hr)
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 76.20 ft
Warning Stage: 84.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	76.20
0	0	0	96.0000	76.20

Comment: Boring information from PBS-13 and PBS-14 shows the average SHWT estimated at 76.20'.

Node: MH E-3

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 75.00 ft
Warning Stage: 77.00 ft

Stage [ft]	Area [ac]	Area [ft2]
75.00	0.0010	44
77.00	0.0010	44

Comment:

Node: NE5

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.27 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0450	1960
80.87	0.0580	2526

Stage [ft]	Area [ac]	Area [ft2]
81.27	0.0710	3093
81.67	0.0850	3703
82.07	0.1000	4356
82.47	0.1150	5009
82.87	0.1310	5706
83.27	0.1490	6490

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: OFF-D1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	1.0100	43996
67.00	1.4500	63162
70.00	2.6800	116741
71.00	2.9000	126324
72.00	3.6100	157252
73.00	3.8500	167706
74.00	4.2600	185566

Comment: Represents offsite pop-off location for Depressional Area 1

Node: OFF-D2

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.00 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.00	0.0500	2178
70.00	2.0700	90169
71.00	7.7400	337154
72.00	13.5300	589367
73.00	20.5600	895594

Comment: Represents offsite pop-off location for Depressional Area 2

Node: Pond 49-1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 77.64 ft
Warning Stage: 83.00 ft

Stage [ft]	Area [ac]	Area [ft2]
77.00	1.1300	49223
78.03	1.2700	55321
80.11	1.5000	65340
81.08	1.6300	71003
84.00	1.9600	85378
85.00	2.6300	114563

Comment:

Node: Pond E-3

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.99 ft
Warning Stage: 85.00 ft

Stage [ft]	Area [ac]	Area [ft2]
80.50	2.9800	129809
81.66	3.1400	136778
84.23	3.5200	153331
86.87	3.9300	171191
87.00	3.9500	172062
88.00	4.5500	198198

Comment: Warning stage set to low edge of pavement

Node: Pond F-1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 81.50 ft
Warning Stage: 87.00 ft

Stage [ft]	Area [ac]	Area [ft2]
81.00	1.5000	65340
81.93	1.5900	69260
81.98	1.6000	69696
82.35	1.6500	71874
88.00	2.3000	100188
89.00	2.9400	128066

Comment:

Node: Pond G1-1

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.60 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
74.60	2.9300	127631
75.12	3.0100	131116
76.97	3.2600	142006
78.89	3.5300	153767
81.00	3.8600	168142
82.00	4.6000	200376

Comment: Warning stage based on low edge of pavement

Node: SE-OFF

Scenario: Post-Stacked (25yr-24hr)
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 78.00 ft
Warning Stage: 82.40 ft

Stage [ft]	Area [ac]	Area [ft2]
78.00	0.0100	436
82.00	0.1000	4356
82.40	0.1000	4356

Comment: Warning stage set at roadway sag

Pipe Link: CD-2

Scenario: Post-Stacked (25yr-24hr)
From Node: F4
To Node: NE5
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 196.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	80.84 ft	Invert:	80.15 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-3		Upstream		Downstream	
Scenario:	Post-Stacked	Invert:	70.11 ft	Invert:	67.83 ft
	(25yr-24hr)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	G12	Geometry: Circular		Geometry: Circular	
To Node:	G6	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	170.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment: Information from survey					

Pipe Link: CD-4		Upstream		Downstream	
Scenario:	Post-Stacked	Invert:	78.00 ft	Invert:	73.00 ft
	(25yr-24hr)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	SE-OFF	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	182.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Drop Structure Link: DS POND 49		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked	Invert:	70.00 ft	Invert:	66.00 ft
	(25yr-24hr)	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond 49-1	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	155.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Pipe Comment: DS INVERT SET TO BOTTOM OF DEPRESSION

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	78.03 ft	Ref Node:	
Control Elevation:	78.03 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS POND E		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked (25yr-24hr)	Invert:	76.00 ft	Invert:	75.50 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond E-3	Geometry: Circular		Geometry: Circular	
To Node:	MH E-3	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	400.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: DS INVERT SET PER DITCH FL IN I-75 R/W

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	83.20 ft	Ref Node:	
Control Elevation:	83.20 ft		

Max Depth:	2.00 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Drop Structure Link: DS POND F		Upstream Pipe		Downstream Pipe	
Scenario:	Post-Stacked (25yr-24hr)	Invert:	78.00 ft	Invert:	77.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond F-1	Geometry: Circular		Geometry: Circular	
To Node:	Pond 49-1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	400.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF POND 49-1

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	81.98 ft
Control Elevation:	81.98 ft
Max Depth:	2.00 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: Invert based on treatment volume required

Drop Structure Comment:

Drop Structure Link: DS POND G1	Upstream Pipe	Downstream Pipe

Scenario:	Post-Stacked (25yr-24hr)	Invert:	70.00 ft	Invert:	66.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	Pond G1-1	Geometry: Circular		Geometry: Circular	
To Node:	Depressional Area 1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	140.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: D/S INVERT SET TO BOTTOM OF DEPRESSION 1

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	76.90 ft	Op Table:	
Control Elevation:	76.90 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	3.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: L-E3		Upstream		Downstream	
Scenario:	Post-Stacked (25yr-24hr)	Invert:	75.50 ft	Invert:	73.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	MH E-3	Geometry: Circular		Geometry: Circular	
To Node:	G10	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	900.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-3		Upstream		Downstream	
Scenario:	Post-Stacked (25yr-24hr)	Invert:	80.00 ft	Invert:	76.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NE5	Geometry: Circular		Geometry: Circular	
To Node:	MH E-3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	900.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Percolation Link: PERC-E5			
Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	NE5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E5	Perimeter 1:	313.30 ft
Link Count:	1	Perimeter 2:	713.00 ft
Flow Direction:	Both	Perimeter 3:	3693.00 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	3.150 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	2.100 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F1			
Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F1	Perimeter 1:	404.00 ft
Link Count:	1	Perimeter 2:	744.11 ft
Flow Direction:	Both	Perimeter 3:	2369.04 ft
Aquifer Base Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	79.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		

Layer Thickness: 7.00 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F2

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F2	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F2	Perimeter 1:	577.50 ft
Link Count:	1	Perimeter 2:	1046.16 ft
Flow Direction:	Both	Perimeter 3:	2007.42 ft
Aquifer Base Elevation:	71.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	78.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F3

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F3	Perimeter 1:	511.30 ft
Link Count:	1	Perimeter 2:	772.42 ft
Flow Direction:	Both	Perimeter 3:	1603.85 ft
Aquifer Base Elevation:	68.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F4

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F4	Perimeter 1:	1552.00 ft
Link Count:	1	Perimeter 2:	1835.49 ft
Flow Direction:	Both	Perimeter 3:	2171.02 ft
Aquifer Base Elevation:	64.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		

Fillable Porosity:	0.200
Layer Thickness:	8.75 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-G1

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1	Perimeter 1:	402.66 ft
Link Count:	1	Perimeter 2:	718.56 ft
Flow Direction:	Both	Perimeter 3:	1046.88 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	71.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G10

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G10	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G10	Perimeter 1:	530.00 ft
Link Count:	1	Perimeter 2:	887.78 ft
Flow Direction:	Both	Perimeter 3:	2693.05 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	67.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G11

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G11	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G11	Perimeter 1:	342.66 ft
Link Count:	1	Perimeter 2:	667.49 ft
Flow Direction:	Both	Perimeter 3:	1633.47 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45

Vertical Conductivity:	18.000 fpd
Fillable Porosity:	0.200
Layer Thickness:	6.00 ft

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G12

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G12	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G12	Perimeter 1:	1115.14 ft
Link Count:	1	Perimeter 2:	1448.86 ft
Flow Direction:	Both	Perimeter 3:	2502.20 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G13

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G13	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G13	Perimeter 1:	555.00 ft
Link Count:	1	Perimeter 2:	864.01 ft
Flow Direction:	Both	Perimeter 3:	1904.77 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G14

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G14	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G14	Perimeter 1:	628.00 ft
Link Count:	1	Perimeter 2:	971.81 ft
Flow Direction:	Both	Perimeter 3:	2791.16 ft
Aquifer Base Elevation:	61.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	68.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10

Horizontal Conductivity:	27.000 fpd		
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G2

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G2	Perimeter 1:	1519.00 ft
Link Count:	1	Perimeter 2:	1853.22 ft
Flow Direction:	Both	Perimeter 3:	2123.75 ft
Aquifer Base Elevation:	63.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	69.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G3

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G3	Perimeter 1:	538.50 ft
Link Count:	1	Perimeter 2:	864.99 ft
Flow Direction:	Both	Perimeter 3:	1071.47 ft
Aquifer Base Elevation:	58.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G4

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G4	Perimeter 1:	351.34 ft
Link Count:	1	Perimeter 2:	634.78 ft
Flow Direction:	Both	Perimeter 3:	814.79 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft

Annual Recharge Rate:	0 ipy		
Horizontal Conductivity:	29.250 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	19.500 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G5

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G5	Perimeter 1:	368.00 ft
Link Count:	1	Perimeter 2:	703.05 ft
Flow Direction:	Both	Perimeter 3:	888.64 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G6

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G6	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G6	Perimeter 1:	1116.66 ft
Link Count:	1	Perimeter 2:	1470.67 ft
Flow Direction:	Both	Perimeter 3:	2471.40 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	61.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G7

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G7	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G7	Perimeter 1:	381.00 ft
Link Count:	1	Perimeter 2:	758.48 ft
Flow Direction:	Both	Perimeter 3:	2600.17 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft

Water Table Elevation:	63.07 ft		
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	27.000 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	10.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-POND49

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond 49-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-49	Perimeter 1:	1510.00 ft
Link Count:	1	Perimeter 2:	1824.00 ft
Flow Direction:	Both	Perimeter 3:	4282.80 ft
Aquifer Base Elevation:	72.60 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.60 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	2.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	1.330 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	4.40 ft		

Comment: Pond 49-1 is located in the parcel NE of the proposed interchange, adjacent to the existing depressional area. Boring information from PBS-9, PBS-10, and PBS-11 shows the average SHWT and confining layer estimated at 72.6'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-POND E

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond E-3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E	Perimeter 1:	1807.00 ft
Link Count:	1	Perimeter 2:	2121.00 ft
Flow Direction:	Both	Perimeter 3:	4822.80 ft
Aquifer Base Elevation:	74.80 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.80 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	11.120 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	9.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	5.70 ft		

Comment: Pond E-3 is located in the NW quadrant of the proposed interchange. Boring information from PBS-1, PBS-2, PBS-22 (with confining layer at 72.5'), PBS- 23 and PBS-24 shows the average SHWT and confing layer estimated at 74.8'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-POND F

Scenario:	Post-Stacked (25yr-24hr)	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond F-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-PF1	Perimeter 1:	1605.00 ft

Link Count:	1
Flow Direction:	Both
Aquifer Base Elevation:	76.20 ft
Water Table Elevation:	76.20 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	2.250 fpd
Vertical Conductivity:	1.500 fpd
Fillable Porosity:	0.200
Layer Thickness:	4.80 ft

Perimeter 2:	1919.00 ft
Perimeter 3:	4453.79 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	450.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	45

Comment: Pond F-1 is located SE of the proposed interchange. Boring information from PBS-13 and PBS-14 shows the average SHWT and confining layer estimated at 76.2'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-PONDG1

Scenario:	Post-Stacked (25yr-24hr)
From Node:	Pond G1-1
To Node:	GW-G1-1
Link Count:	1
Flow Direction:	Both
Aquifer Base Elevation:	62.60 ft
Water Table Elevation:	62.60 ft
Annual Recharge Rate:	0 ipy
Horizontal Conductivity:	7.750 fpd
Vertical Conductivity:	5.000 fpd
Fillable Porosity:	0.200
Layer Thickness:	12.00 ft

Surface Area Option:	Vary Based on Stage/Area Table
Vertical Flow Termination:	Horizontal Flow Algorithm
Perimeter 1:	1937.60 ft
Perimeter 2:	2251.75 ft
Perimeter 3:	4686.13 ft
Distance P1 to P2:	50.00 ft
Distance P2 to P3:	450.00 ft
# of Cells P1 to P2:	10
# of Cells P2 to P3:	45

Comment: Pond G1-1 is located in the NE quadrant of the proposed interchange. Boring information from PBS-35 and PBS-38 shows the average SHWT and confiring layer both estimated at 62.6'. FOS of 2 on horizontal and vertical conductivities

Weir Link: W1

Scenario:	Post-Stacked (25yr-24hr)
From Node:	F4
To Node:	G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	79.87 ft
Control Elevation:	79.87 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W10

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G10
To Node:	G11
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.40 ft
Control Elevation:	75.40 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W11

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G11
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W13

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G13
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.00 ft
Control Elevation:	74.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W14

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G14
To Node:	G13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.50 ft
Control Elevation:	75.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W2

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G1
To Node:	G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.57 ft
Control Elevation:	75.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W3

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G3
To Node:	Pond G1-1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	6.000 (h:v)
Right Slope:	6.000 (h:v)

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W4

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G4
To Node:	G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	73.07 ft
Control Elevation:	73.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W5

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G5
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.77 ft
Control Elevation:	70.77 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W6

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G6
To Node:	Depressional Area 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.75 ft
Control Elevation:	70.75 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	30.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W7

Scenario:	Post-Stacked (25yr-24hr)
From Node:	G7
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.50 ft
Control Elevation:	74.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: WEIR D1-D2

Scenario:	Post-Stacked (25yr-24hr)
From Node:	OFF-D1
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	74.00 ft
Control Elevation:	74.00 ft
Cross Section:	X-D1-D2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

Orifice Table:

Comment:

Weir Link: WEIR OFF-1

Scenario:	Post-Stacked (25yr-24hr)
From Node:	Depressional Area 1
To Node:	OFF-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.00 ft
Control Elevation:	73.00 ft
Cross Section:	X-OFF-1-W

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the north

Weir Link: WEIR OFF-2

Scenario:	Post-Stacked (25yr-24hr)
From Node:	Depressional Area 2
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.50 ft
Control Elevation:	73.50 ft
Cross Section:	X-OFF-2-W

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the east

Weir Link: WF1

Scenario:	Post-Stacked (25yr-24hr)
From Node:	F1
To Node:	F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	86.07 ft
Control Elevation:	86.07 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200

Max Depth:	999.00 ft		
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	10.000 (h:v)	Orifice Table:	
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF2

Scenario:	Post-Stacked (25yr-24hr)	Bottom Clip	
From Node:	F2	Default:	0.00 ft
To Node:	F3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	84.57 ft	Discharge Coefficients	
Control Elevation:	84.57 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF3

Scenario:	Post-Stacked (25yr-24hr)	Bottom Clip	
From Node:	F3	Default:	0.00 ft
To Node:	F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	82.87 ft	Discharge Coefficients	
Control Elevation:	82.87 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Simulation: 25yr-24hr-SJRWMD

Scenario:	Post-Stacked (25yr-24hr)
Run Date/Time:	1/12/2021 11:10:57 AM
Program Version:	ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~FLMOD
Rainfall Amount: 8.25 in
Storm Duration: 24.0000 hr

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

Comment:

SJRWMD Design Storm

25yr-24hr Stacked

ICPR Output

Peak Stage

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Pond 49-1	83.00	78.54
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Pond E-3	85.00	82.24
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Pond F-1	87.00	82.06
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Pond G1-1	77.60	74.74

Scenario	Sim	Noce Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Depressional Area 1	73.00	69.91
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Depressional Area 2	73.50	69.28
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	OFF-D1	73.00	66.00
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	OFF-D2	73.50	69.00

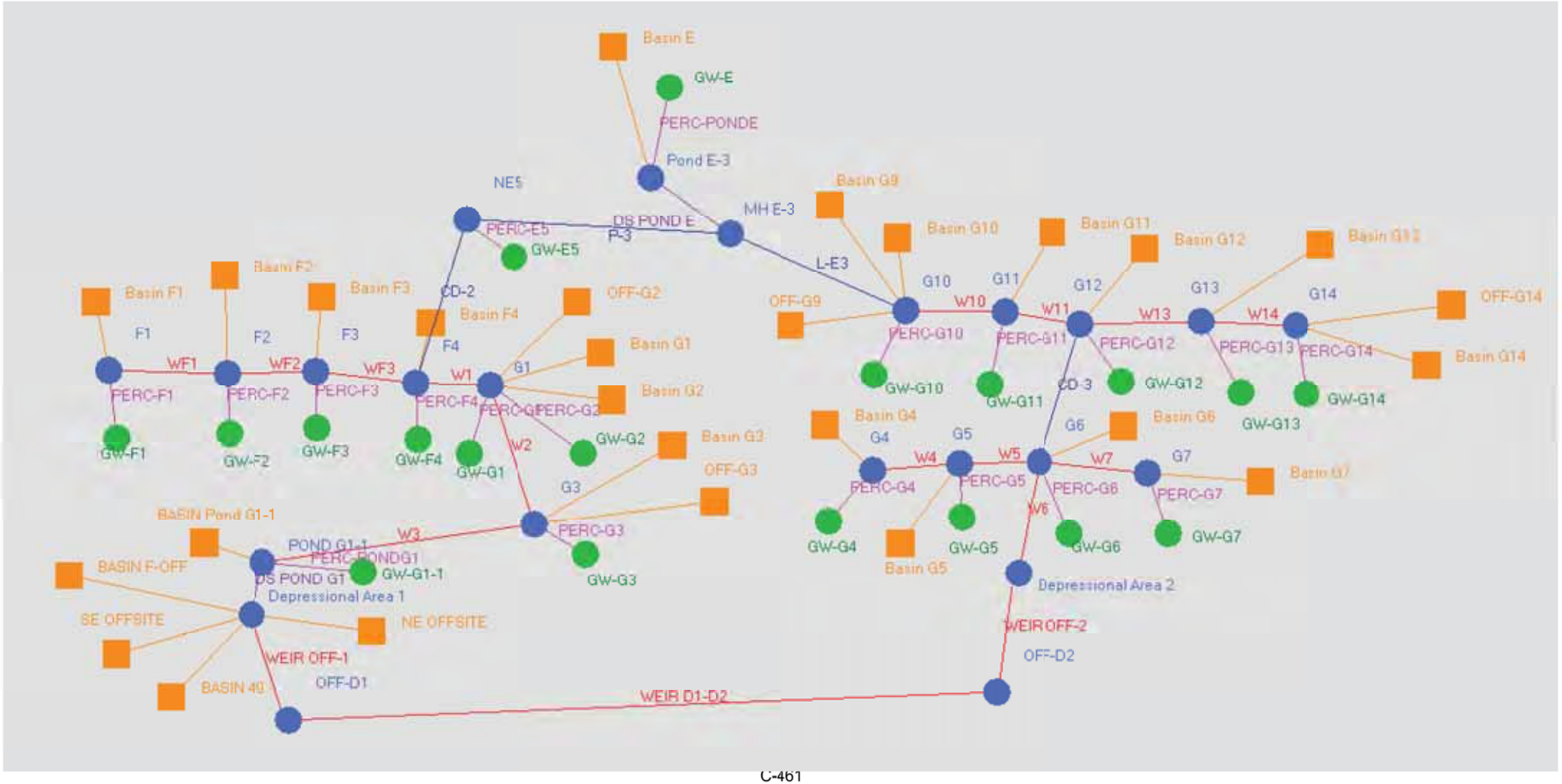
Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G1	77.87	75.97
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G10	77.82	75.80
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G11	77.82	74.15
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G12	77.82	69.45
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G13	77.82	73.25
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G14	77.82	75.86
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G3	77.60	75.55
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G4	73.40	72.21
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G5	73.00	69.44
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G6	70.75	69.93
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	G7	75.40	74.18

Peak Discharge

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Depressional Area 1	71.17
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	Depressional Area 2	0.00
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	OFF-D1	0.00
Post-Stacked (25yr-24hr)	25yr-24hr-SJRWMD	OFF-D2	0.00

POST-DEVELOPMENT
FLOOD RIGHTS
ICPR MODEL

Post-Development Flood Rights F 49 ICPR Layout



Post-Development Flood Rights with Ponds ICPR Input

Manual Basin: BASIN 49

Scenario: Floodrights F 49
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
14.8200	Basin 49	Basin 49	

Comment:

Manual Basin: BASIN F-OFF

Scenario: Floodrights F 49
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 84.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
13.2000	Basin F-OFF	Basin F-OFF	

Comment:

Manual Basin: BASIN Pond G1-1

Scenario: Floodrights F 49
Node: POND G1-1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 39.2000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.0400	Basin Pond G1-1	Basin Pond G1-1	

Comment: Total Basin G1-1 is made up of Basin Pond G1-1, G1, G2, G2-OFF, G3-OFF and G3 (7.04+0.67+3.92+3.2+1.87+1.54=18.24 Ac)

Manual Basin: Basin E

Scenario: Floodrights F 49
Node: Pond E-3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
25.5000	Basin E	Basin E	

Comment:

Manual Basin: Basin E5

Scenario: Floodrights F 49
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2800	Basin E5	Basin E5	

Comment:

Manual Basin: Basin F1

Scenario: Floodrights F 49
Node: F1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1000	Basin F1	Basin F1	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F2

Scenario: Floodrights F 49
Node: F2

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6800	Basin F2	Basin F2	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F3

Scenario: Floodrights F 49
Node: F3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.4500	Basin F3	Basin F3	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F4

Scenario: Floodrights F 49
Node: F4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5500	Basin F4	Basin F4	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin G1

Scenario: Floodrights F 49
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Basin G1	Basin G1	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G10

Scenario: Floodrights F 49
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G10	Basin G10	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G11

Scenario: Floodrights F 49
Node: G11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9100	Basin G11	Basin G11	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G12

Scenario: Floodrights F 49
Node: G12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2300	Basin G12	Basin G12	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G13

Scenario: Floodrights F 49
Node: G13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.2400	Basin G13	Basin G13	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G14

Scenario: Floodrights F 49
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G14	Basin G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G2

Scenario: Floodrights F 49
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484

Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.9200	Basin G2	Basin G2	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G3

Scenario: Floodrights F 49
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.8700	Basin G3	Basin G3	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G1-1

Manual Basin: Basin G4

Scenario: Floodrights F 49
Node: G4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.5700	Basin G4	Basin G4	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G2

Manual Basin: Basin G5

Scenario: Floodrights F 49
Node: G5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.7400	Basin G5	Basin G5	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G6

Scenario: Floodrights F 49
Node: G6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.2400	Basin G6	Basin G6	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G7

Scenario: Floodrights F 49
Node: G7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2800	Basin G7/8	Basin G7/8	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G9

Scenario: Floodrights F 49
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.8100	Basin G9	Basin G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: NE OFFSITE

Scenario: Floodrights F 49
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 34.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
77.4300	OFFSITE	OFFSITE	

Comment:

Manual Basin: OFF-G14

Scenario: Floodrights F 49
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6300	OFF G14	OFF G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G2

Scenario: Floodrights F 49
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2000	OFF G2	OFF G2	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G3

Scenario: Floodrights F 49
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5400	OFF G3	OFF G3	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G9

Scenario: Floodrights F 49
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.0700	OFF G9	OFF G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: SE OFFSITE

Scenario: Floodrights F 49
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.3000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
23.1500	OFFSITE	OFFSITE	

Comment:

Node: Depressional Area 1

Scenario: Floodrights F 49

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	0.1200	5227
67.00	1.7600	76666
68.00	3.4700	151153
69.00	5.5900	243500
70.00	7.6700	334105
71.00	9.6700	421225
72.00	11.8100	514444
73.00	13.8600	603742

Comment:

Node: Depressional Area 2

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.28 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.28	0.0000	0
70.00	0.3200	13939
71.00	2.3300	101495
72.00	3.7100	161608
73.00	6.0200	262231
73.50	9.7000	422532

Comment:

Node: F1

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 84.07 ft
Warning Stage: 86.47 ft

Stage [ft]	Area [ac]	Area [ft2]
84.07	0.0000	0
84.37	0.0220	958
84.67	0.0340	1481
84.97	0.0480	2091
85.27	0.0630	2744
85.57	0.0810	3528
85.87	0.0990	4312

Stage [ft]	Area [ac]	Area [ft2]
86.17	0.1190	5184
86.47	0.1400	6098

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F2

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 82.07 ft
Warning Stage: 85.07 ft

Stage [ft]	Area [ac]	Area [ft2]
82.07	0.0000	0
82.37	0.0840	3659
82.67	0.0980	4269
82.97	0.1120	4879
83.27	0.1260	5489
83.57	0.1400	6098
83.87	0.1550	6752
84.17	0.1710	7449
84.47	0.1860	8102
85.07	0.2240	9757

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F3

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.67 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0850	3703
80.87	0.1030	4487
81.27	0.1210	5271
81.67	0.1390	6055
82.07	0.1580	6882
82.47	0.1780	7754
82.87	0.1980	8625
83.27	0.2210	9627
83.67	0.2460	10716

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F4

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 77.07 ft
Warning Stage: 80.97 ft

Stage [ft]	Area [ac]	Area [ft2]
77.07	0.0000	0
77.57	0.3020	13155
78.07	0.3660	15943
78.57	0.4320	18818
79.07	0.4990	21736
79.57	0.5670	24699
80.07	0.6360	27704
80.57	0.7060	30753
80.97	0.7760	33803

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: G1

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.87 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.47	0.2840	12371
74.87	0.3600	15682
75.27	0.4370	19036
75.67	0.5140	22390
76.07	0.5920	25788
76.47	0.6840	29795
76.87	0.7770	33846
77.27	0.8730	38028
77.87	1.0210	44475

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G10

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.57 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
71.57	0.0000	0
71.67	0.0410	1786
72.37	0.0600	2614
72.77	0.0810	3528
73.17	0.1020	4443
73.57	0.1350	5881
73.97	0.1480	6447
74.37	0.1760	7667
74.77	0.2060	8973

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G11

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0500	2178
70.87	0.0630	2744
71.27	0.0780	3398
71.67	0.0940	4095
72.07	0.1110	4835
72.47	0.1300	5663
72.87	0.1500	6534
73.27	0.1730	7536

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G12

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.67	0.2040	8886
69.27	0.2680	11674
69.87	0.3340	14549
70.47	0.4040	17598
71.07	0.4760	20735

Stage [ft]	Area [ac]	Area [ft2]
71.67	0.5500	23958
72.27	0.6320	27530

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G13

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0580	2526
70.87	0.0780	3398
71.27	0.1000	4356
71.67	0.1220	5314
72.07	0.1460	6360
72.47	0.1710	7449
72.87	0.1990	8668
73.67	0.2620	11413

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G14

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.82 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.27	0.0320	1394
74.47	0.0430	1873
74.67	0.0560	2439
74.87	0.0700	3049
75.07	0.0850	3703
75.27	0.0990	4312
75.47	0.1140	4966
75.67	0.1280	5576

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G3

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 72.57 ft
Warning Stage: 75.07 ft

Stage [ft]	Area [ac]	Area [ft2]
72.57	0.0000	0
72.87	0.0340	1481
73.17	0.0490	2134
73.47	0.0640	2788
73.77	0.0810	3528
74.07	0.0980	4269
74.37	0.1180	5140
74.67	0.1400	6098
75.07	0.1690	7362

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G4

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 73.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0540	2352
71.87	0.0670	2919
72.27	0.0820	3572
72.67	0.0990	4312
73.07	0.1180	5140
73.47	0.1390	6055
73.87	0.1610	7013
74.07	0.1710	7449

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93').
Warning stage based on low edge of pavement

Node: G5

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.57	0.0570	2483
69.07	0.0740	3223
69.57	0.0930	4051
70.07	0.1140	4966
70.57	0.1370	5968
71.07	0.1610	7013
71.57	0.1880	8189
71.97	0.2100	9148

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on R/W

Node: G6

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.57 ft
Warning Stage: 70.75 ft

Stage [ft]	Area [ac]	Area [ft2]
66.57	0.0000	0
67.07	0.1740	7579
67.57	0.2250	9801
68.07	0.2780	12110
68.57	0.3080	13416
69.07	0.3900	16988
69.57	0.4490	19558
70.07	0.5090	22172
70.47	0.5680	24742

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G7

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 75.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0840	3659
71.87	0.1010	4400
72.27	0.1180	5140
72.67	0.1360	5924
73.07	0.1560	6795
73.47	0.1770	7710

Stage [ft]	Area [ac]	Area [ft2]
73.87	0.2010	8756
74.27	0.2260	9845
74.67	0.2520	10977

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: GW-E

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.80 ft
Warning Stage: 78.50 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.80
0	0	0	96.0000	74.80

Comment: Boring information from PBS-1, PBS-2, PBS-22, PBS- 23 and PBS-24 shows the average SHWT estimated at 74.8'

Node: GW-E5

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 80.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	72.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-F1

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 79.07 ft
Warning Stage: 86.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	79.07
0	0	0	96.0000	79.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F2

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 78.07 ft
Warning Stage: 84.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	78.07
0	0	0	96.0000	78.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F3

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 83.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.07
0	0	0	96.0000	74.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F4

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 77.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	96.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-G1

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 78.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	71.07
0	0	0	96.0000	71.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G1-1

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.60 ft
Warning Stage: 73.60 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.60
0	0	0	96.0000	62.60

Comment: Boring information from PBS-36 and PBS-38 shows the average SHWT estimated at 62.6'.

Node: GW-G10

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 67.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	67.07
0	0	0	96.0000	67.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G11

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft

Warning Stage: 72.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G12

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G13

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G14

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 75.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	68.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	68.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G2

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 69.07 ft
Warning Stage: 75.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	69.07
0	0	0	96.0000	69.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G3

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G4

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G5

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 71.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G6

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 61.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	61.07
0	0	0	96.0000	61.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G7

Scenario: Floodrights F 49
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: MH E-3

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 75.00 ft

Warning Stage: 77.00 ft

Stage [ft]	Area [ac]	Area [ft2]
75.00	0.0010	44
77.00	0.0010	44

Comment:

Node: NE5

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.27 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0450	1960
80.87	0.0580	2526
81.27	0.0710	3093
81.67	0.0850	3703
82.07	0.1000	4356
82.47	0.1150	5009
82.87	0.1310	5706
83.27	0.1490	6490

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: OFF-D1

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	1.0100	43996
67.00	1.4500	63162
70.00	2.6800	116741
71.00	2.9000	126324
72.00	3.6100	157252
73.00	3.8500	167706
74.00	4.2600	185566

Comment: Represents offsite pop-off location for Depressional Area 1

Node: OFF-D2

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.00 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.00	0.0500	2178
70.00	2.0700	90169
71.00	7.7400	337154
72.00	13.5300	589367
73.00	20.5600	895594

Comment: Represents offsite pop-off location for Depressional Area 2

Node: POND G1-1

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.60 ft
Warning Stage: 77.60 ft

Stage [ft]	Area [ac]	Area [ft2]
74.60	2.9300	127631
75.12	3.0100	131116
76.97	3.2600	142006
78.89	3.5300	153767
81.00	3.8600	168142
82.00	4.6000	200376

Comment: Warning stage based on low edge of pavement

Node: Pond E-3

Scenario: Floodrights F 49
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.50 ft
Warning Stage: 85.00 ft

Stage [ft]	Area [ac]	Area [ft2]
80.50	2.9800	129809
81.66	3.1400	136778
84.23	3.5200	153331
86.87	3.9300	171191
87.00	3.9500	172062
88.00	4.5500	198198

Comment: Warning stage set to low edge of pavement

Pipe Link: CD-2		Upstream		Downstream	
Scenario:	Floodrights F 49	Invert:	80.84 ft	Invert:	80.15 ft
From Node:	F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NE5	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-3		Upstream		Downstream	
Scenario:	Floodrights F 49	Invert:	70.11 ft	Invert:	67.83 ft
From Node:	G12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G6	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Drop Structure Link: DS POND E		Upstream Pipe		Downstream Pipe	
Scenario:	Floodrights F 49	Invert:	76.00 ft	Invert:	75.50 ft
From Node:	Pond E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	400.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location: 0.00 ft
Energy Switch: Energy

Pipe Comment: DS INVERT SET PER DITCH FL IN I-75 R/W

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	83.20 ft	Ref Node:	
Control Elevation:	83.20 ft	**Discharge Coefficients**	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Drop Structure Link: DS POND G1		Upstream Pipe		Downstream Pipe	
Scenario:	Floodrights F 49	Invert:	70.00 ft	Invert:	66.00 ft
From Node:	POND G1-1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Depressional Area 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	140.00 ft	**Top Clip**			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: DS Invert set to bottom of Depressional Area 1.

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	76.90 ft	Ref Node:	
Control Elevation:	76.90 ft	**Discharge Coefficients**	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	3.08 ft		

Fillet:	0.00 ft		
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Pipe Link: L-E3		Upstream		Downstream	
Scenario:	Floodrights F 49	Invert:	75.50 ft	Invert:	73.00 ft
From Node:	MH E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-3		Upstream		Downstream	
Scenario:	Floodrights F 49	Invert:	80.00 ft	Invert:	76.00 ft
From Node:	NE5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Percolation Link: PERC-E5			
Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	NE5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E5	Perimeter 1:	313.30 ft
Link Count:	1	Perimeter 2:	713.00 ft

Flow Direction:	Both		
Aquifer Base Elevation:	65.07 ft	Perimeter 3:	3693.00 ft
Water Table Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	3.150 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	2.100 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F1

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F1	Perimeter 1:	404.00 ft
Link Count:	1	Perimeter 2:	744.11 ft
Flow Direction:	Both	Perimeter 3:	2369.04 ft
Aquifer Base Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	79.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F2

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F2	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F2	Perimeter 1:	577.50 ft
Link Count:	1	Perimeter 2:	1046.16 ft
Flow Direction:	Both	Perimeter 3:	2007.42 ft
Aquifer Base Elevation:	71.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	78.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F3

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F3	Perimeter 1:	511.30 ft

Link Count:	1		
Flow Direction:	Both	Perimeter 2:	772.42 ft
Aquifer Base Elevation:	68.07 ft	Perimeter 3:	1603.85 ft
Water Table Elevation:	74.07 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	31.500 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	21.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-F4

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F4	Perimeter 1:	1552.00 ft
Link Count:	1	Perimeter 2:	1835.49 ft
Flow Direction:	Both	Perimeter 3:	2171.02 ft
Aquifer Base Elevation:	64.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.75 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin F

Percolation Link: PERC-G1

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1	Perimeter 1:	402.66 ft
Link Count:	1	Perimeter 2:	718.56 ft
Flow Direction:	Both	Perimeter 3:	1046.88 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	71.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G10

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G10	Vertical Flow Termination:	Horizontal Flow Algorithm

To Node:	GW-G10		
Link Count:	1	Perimeter 1:	530.00 ft
Flow Direction:	Both	Perimeter 2:	887.78 ft
Aquifer Base Elevation:	60.07 ft	Perimeter 3:	2693.05 ft
Water Table Elevation:	67.07 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	27.000 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G11

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G11	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G11	Perimeter 1:	342.66 ft
Link Count:	1	Perimeter 2:	667.49 ft
Flow Direction:	Both	Perimeter 3:	1633.47 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G12

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G12	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G12	Perimeter 1:	1115.14 ft
Link Count:	1	Perimeter 2:	1448.86 ft
Flow Direction:	Both	Perimeter 3:	2502.20 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G13

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table

From Node:	G13		
To Node:	GW-G13	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	555.00 ft
Flow Direction:	Both	Perimeter 2:	864.01 ft
Aquifer Base Elevation:	55.07 ft	Perimeter 3:	1904.77 ft
Water Table Elevation:	62.07 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	27.000 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	18.000 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G14

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G14	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G14	Perimeter 1:	628.00 ft
Link Count:	1	Perimeter 2:	971.81 ft
Flow Direction:	Both	Perimeter 3:	2791.16 ft
Aquifer Base Elevation:	61.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	68.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G2

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G2	Perimeter 1:	1519.00 ft
Link Count:	1	Perimeter 2:	1853.22 ft
Flow Direction:	Both	Perimeter 3:	2123.75 ft
Aquifer Base Elevation:	63.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	69.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G3

Scenario:	Floodrights F 49		
From Node:	G3	Surface Area Option:	Vary Based on Stage/Area Table
To Node:	GW-G3	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	538.50 ft
Flow Direction:	Both	Perimeter 2:	864.99 ft
Aquifer Base Elevation:	58.07 ft	Perimeter 3:	1071.47 ft
Water Table Elevation:	66.07 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	450.00 ft
Horizontal Conductivity:	29.250 fpd	# of Cells P1 to P2:	10
Vertical Conductivity:	19.500 fpd	# of Cells P2 to P3:	45
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G1-1

Percolation Link: PERC-G4

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G4	Perimeter 1:	351.34 ft
Link Count:	1	Perimeter 2:	634.78 ft
Flow Direction:	Both	Perimeter 3:	814.79 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G5

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G5	Perimeter 1:	368.00 ft
Link Count:	1	Perimeter 2:	703.05 ft
Flow Direction:	Both	Perimeter 3:	888.64 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G6

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G6	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G6	Perimeter 1:	1116.66 ft
Link Count:	1	Perimeter 2:	1470.67 ft
Flow Direction:	Both	Perimeter 3:	2471.40 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	61.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-G7

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G7	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G7	Perimeter 1:	381.00 ft
Link Count:	1	Perimeter 2:	758.48 ft
Flow Direction:	Both	Perimeter 3:	2600.17 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	10.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity - This is a sub-basin in Basin G2

Percolation Link: PERC-PONDE

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond E-3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E	Perimeter 1:	1807.00 ft
Link Count:	1	Perimeter 2:	2121.00 ft
Flow Direction:	Both	Perimeter 3:	4822.80 ft
Aquifer Base Elevation:	74.80 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.80 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	11.120 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	9.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	5.70 ft		

Comment: Pond E-3 is located in the NW quadrant of the proposed interchange. Boring information from PBS-1, PBS-2, PBS-22 (with confining layer at 72.5'), PBS- 23 and PBS-24 shows the average SHWT and confing layer estimated at 74.8'. FOS of 2 on horizontal and vertical conductivities

Percolation Link: PERC-POND G1

Scenario:	Floodrights F 49	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	POND G1-1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1-1	Perimeter 1:	1937.60 ft
Link Count:	1	Perimeter 2:	2251.75 ft
Flow Direction:	Both	Perimeter 3:	4686.13 ft
Aquifer Base Elevation:	62.60 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.60 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	7.750 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	5.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	12.00 ft		

Comment: Pond G1-1 is located in the NE quadrant of the proposed interchange. Boring information from PBS-35 and PBS-38 shows the average SHWT and confiring layer both estimated at 62.6'. FOS of 2 on horizontal and vertical conductivities

Weir Link: W1

Scenario:	Floodrights F 49	Bottom Clip	
From Node:	F4	Default:	0.00 ft
To Node:	G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	79.87 ft	Discharge Coefficients	
Control Elevation:	79.87 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W10

Scenario:	Floodrights F 49	Bottom Clip	
From Node:	G10	Default:	0.00 ft
To Node:	G11	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	75.40 ft	Discharge Coefficients	
Control Elevation:	75.40 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		

Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W11

Scenario:	Floodrights F 49
From Node:	G11
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W13

Scenario:	Floodrights F 49
From Node:	G13
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.00 ft
Control Elevation:	74.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W14

Scenario:	Floodrights F 49
From Node:	G14
To Node:	G13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	

Geometry Type:	Trapezoidal
Invert:	75.50 ft
Control Elevation:	75.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W2

Scenario:	Floodrights F 49
From Node:	G1
To Node:	G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.57 ft
Control Elevation:	75.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W3

Scenario:	Floodrights F 49
From Node:	G3
To Node:	POND G1-1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	6.000 (h:v)
Right Slope:	6.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W4

Scenario:	Floodrights F 49
From Node:	G4
To Node:	G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	73.07 ft
Control Elevation:	73.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W5

Scenario:	Floodrights F 49
From Node:	G5
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.77 ft
Control Elevation:	70.77 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W6

Scenario:	Floodrights F 49
From Node:	G6
To Node:	Depressional Area 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.75 ft
Control Elevation:	70.75 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	30.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Weir Link: W7

Scenario:	Floodrights F 49
From Node:	G7
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.50 ft
Control Elevation:	74.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: WEIR D1-D2

Scenario:	Floodrights F 49
From Node:	OFF-D1
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	74.00 ft
Control Elevation:	74.00 ft
Cross Section:	X-D1-D2

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: WEIR OFF-1

Scenario:	Floodrights F 49
From Node:	Depressional Area 1
To Node:	OFF-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Invert:	73.00 ft
Control Elevation:	73.00 ft
Cross Section:	X-OFF-1-W

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the north

Weir Link: WEIR OFF-2

Scenario:	Floodrights F 49
From Node:	Depressional Area 2
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.50 ft
Control Elevation:	73.50 ft
Cross Section:	X-OFF-2-W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the east

Weir Link: WF1

Scenario:	Floodrights F 49
From Node:	F1
To Node:	F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	86.07 ft
Control Elevation:	86.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF2

Scenario:	Floodrights F 49
From Node:	F2
To Node:	F3
Link Count:	1

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	84.57 ft
Control Elevation:	84.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF3

Scenario:	Floodrights F 49
From Node:	F3
To Node:	F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	82.87 ft
Control Elevation:	82.87 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Simulation: 100yr-10day

Scenario: Floodrights F 49
Run Date/Time: 1/12/2021 12:58:51 PM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	960.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~FDOT-240
Rainfall Amount: 16.80 in
Storm Duration: 240.0000 hr

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

Comment:

Simulation: 25yr-24hr-SJRWMD

Scenario: Floodrights F 49
Run Date/Time: 1/12/2021 1:03:41 PM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~FLMOD
Rainfall Amount: 8.25 in
Storm Duration: 24.0000 hr

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

Comment:

Simulation: 25yr-96hr

Scenario: Floodrights F 49
Run Date/Time: 1/12/2021 1:04:40 PM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	432.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~SJRWMD-96
Rainfall Amount: 11.50 in
Storm Duration: 96.0000 hr

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

Comment:

Post-Development
Flood Rights
with Ponds
ICPR Output

Peak Stage

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights F 49	25yr-96hr	Depressional Area 1	73.00	72.43
Floodrights F 49	25yr-96hr	Depressional Area 2	73.50	70.40
Floodrights F 49	25yr-96hr	OFF-D1	74.00	66.00
Floodrights F 49	25yr-96hr	OFF-D2	73.50	69.00
Floodrights F 49	25yr-96hr	Pond E-3	85.00	82.73
Floodrights F 49	25yr-96hr	POND G1-1	77.60	75.33

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights F 49	25yr-96hr	G1	77.87	76.26
Floodrights F 49	25yr-96hr	G10	77.82	76.12
Floodrights F 49	25yr-96hr	G11	77.82	75.60
Floodrights F 49	25yr-96hr	G12	77.82	70.99
Floodrights F 49	25yr-96hr	G13	77.82	74.09
Floodrights F 49	25yr-96hr	G14	77.82	75.94
Floodrights F 49	25yr-96hr	G3	77.60	75.93
Floodrights F 49	25yr-96hr	G4	73.40	72.50
Floodrights F 49	25yr-96hr	G5	73.00	70.18
Floodrights F 49	25yr-96hr	G6	70.75	70.88
Floodrights F 49	25yr-96hr	G7	75.40	74.73

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights F 49	100yr-10day	Depressional Area 1	73.00	73.97
Floodrights F 49	100yr-10day	Depressional Area 2	73.50	71.87
Floodrights F 49	100yr-10day	OFF-D1	74.00	73.97
Floodrights F 49	100yr-10day	OFF-D2	73.50	69.00
Floodrights F 49	100yr-10day	Pond E-3	85.00	83.63
Floodrights F 49	100yr-10day	POND G1-1	77.60	75.19

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights F 49	100yr-10day	G1	77.87	75.94
Floodrights F 49	100yr-10day	G10	77.82	75.82
Floodrights F 49	100yr-10day	G11	77.82	75.42
Floodrights F 49	100yr-10day	G12	77.82	71.87
Floodrights F 49	100yr-10day	G13	77.82	73.38
Floodrights F 49	100yr-10day	G14	77.82	75.61
Floodrights F 49	100yr-10day	G3	77.60	75.43
Floodrights F 49	100yr-10day	G4	73.40	71.67
Floodrights F 49	100yr-10day	G5	73.00	71.87
Floodrights F 49	100yr-10day	G6	70.75	71.87
Floodrights F 49	100yr-10day	G7	75.40	74.61

Peak Discharge

Scenario	Sim	Node Name	Maximum Total Infow Rate [cfs]
Floodrights F 49	25yr-24hr-SJRWMD	Depressional Area 1	81.95
Floodrights F 49	25yr-24hr-SJRWMD	Depressional Area 2	0.00
Floodrights F 49	25yr-24hr-SJRWMD	OFF-D1	0.00
Floodrights F 49	25yr-24hr-SJRWMD	OFF-D2	0.00
Floodrights F 49	25yr-24hr-SJRWMD	Pond E-3	71.66
Floodrights F 49	25yr-24hr-SJRWMD	POND G1-1	18.69

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights F 49	25yr-24hr-SJRWMD	G1	29.96
Floodrights F 49	25yr-24hr-SJRWMD	G10	21.13
Floodrights F 49	25yr-24hr-SJRWMD	G11	12.45
Floodrights F 49	25yr-24hr-SJRWMD	G12	9.25
Floodrights F 49	25yr-24hr-SJRWMD	G13	13.53
Floodrights F 49	25yr-24hr-SJRWMD	G14	10.55
Floodrights F 49	25yr-24hr-SJRWMD	G3	18.57
Floodrights F 49	25yr-24hr-SJRWMD	G4	2.41
Floodrights F 49	25yr-24hr-SJRWMD	G5	2.83
Floodrights F 49	25yr-24hr-SJRWMD	G6	25.06
Floodrights F 49	25yr-24hr-SJRWMD	G7	11.76

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights F 49	100yr-10day	Depressional Area 1	54.21
Floodrights F 49	100yr-10day	Depressional Area 2	12.02
Floodrights F 49	100yr-10day	OFF-D1	26.70
Floodrights F 49	100yr-10day	OFF-D2	0.00
Floodrights F 49	100yr-10day	Pond E-3	12.99
Floodrights F 49	100yr-10day	POND G1-1	13.45

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights F 49	100yr-10day	G1	10.26
Floodrights F 49	100yr-10day	G10	11.93
Floodrights F 49	100yr-10day	G11	12.08
Floodrights F 49	100yr-10day	G12	12.90
Floodrights F 49	100yr-10day	G13	1.88
Floodrights F 49	100yr-10day	G14	1.58
Floodrights F 49	100yr-10day	G3	11.30
Floodrights F 49	100yr-10day	G4	0.31
Floodrights F 49	100yr-10day	G5	2.88
Floodrights F 49	100yr-10day	G6	13.43
Floodrights F 49	100yr-10day	G7	1.73

Peak Volume

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights F 49	100yr-10day	Depressional Area 1	954.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	954.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	955.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	955.2530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	955.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	955.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	956.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	956.2530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	956.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	956.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	957.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	957.2530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	957.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	957.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	958.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	958.2530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	958.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	958.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	959.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	959.2530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	959.5030	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	959.7530	81.57
Floodrights F 49	100yr-10day	Depressional Area 1	960.0030	81.57
Floodrights F 49	100yr-10day	Depressional Area 2	0.0000	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	0.2520	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	0.5008	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	0.7522	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	1.0009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	1.2509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	1.5009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	1.7509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	2.0009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	2.2509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	2.5009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	2.7509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	3.0009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	3.2509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	3.5009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	3.7509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	4.0009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	4.2509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	4.5009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	4.7509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	5.0009	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	5.2509	0.00
Floodrights F 49	100yr-10day	Depressional Area 2	5.5009	0.00

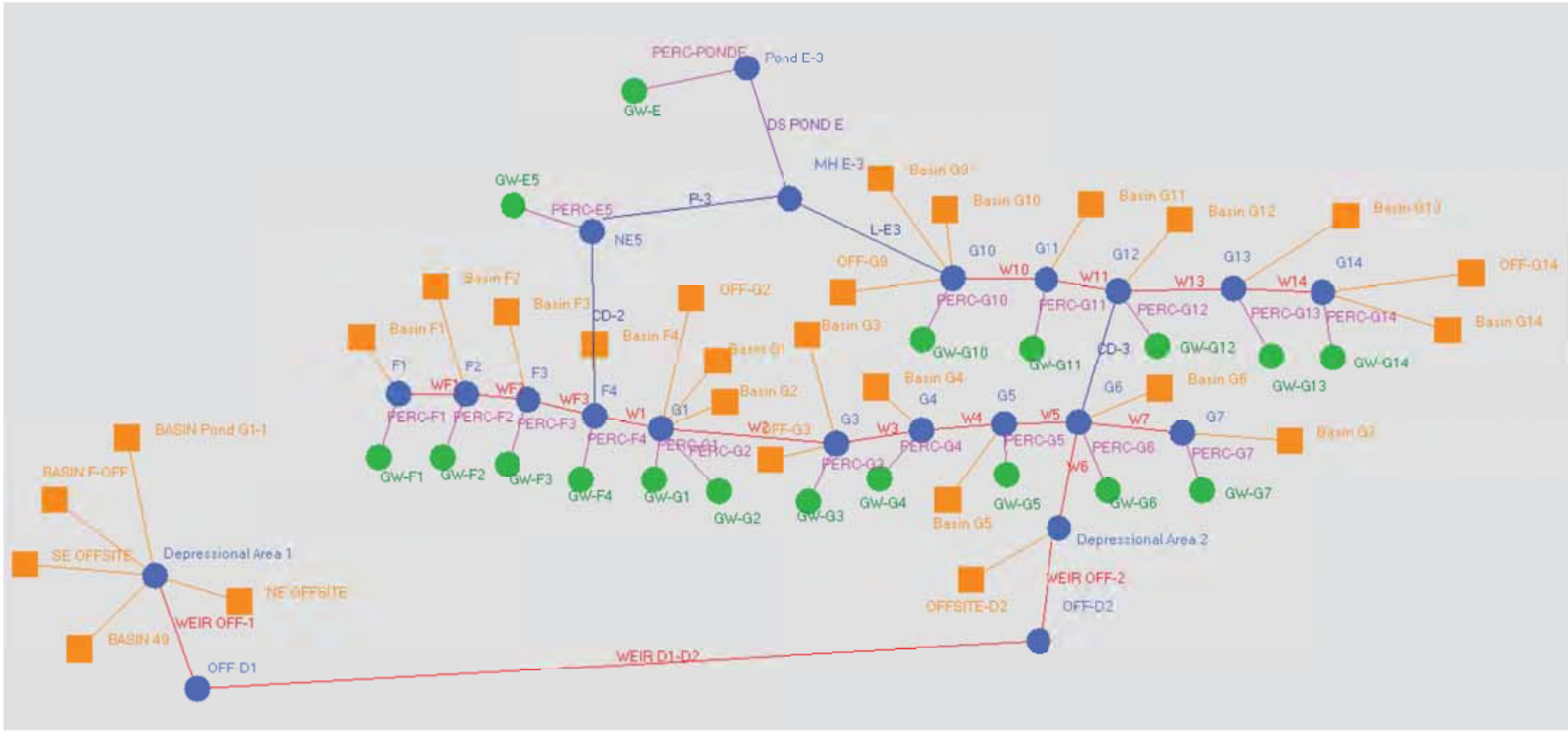
Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights F 49	100yr-10day	Depressional Area 2	948.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	949.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	949.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	949.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	949.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	950.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	950.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	950.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	950.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	951.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	951.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	951.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	951.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	952.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	952.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	952.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	952.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	953.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	953.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	953.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	953.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	954.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	954.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	954.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	954.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	955.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	955.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	955.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	955.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	956.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	956.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	956.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	956.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	957.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	957.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	957.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	957.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	958.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	958.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	958.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	958.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	959.0030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	959.2530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	959.5030	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	959.7530	3.98
Floodrights F 49	100yr-10day	Depressional Area 2	960.0030	3.98

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights F 49	100yr-10day	OFF-D1	954.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	954.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	955.0030	21.14
Floodrights F 49	100yr-10day	OFF-D1	955.2530	21.14
Floodrights F 49	100yr-10day	OFF-D1	955.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	955.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	956.0030	21.14
Floodrights F 49	100yr-10day	OFF-D1	956.2530	21.14
Floodrights F 49	100yr-10day	OFF-D1	956.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	956.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	957.0030	21.14
Floodrights F 49	100yr-10day	OFF-D1	957.2530	21.14
Floodrights F 49	100yr-10day	OFF-D1	957.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	957.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	958.0030	21.14
Floodrights F 49	100yr-10day	OFF-D1	958.2530	21.14
Floodrights F 49	100yr-10day	OFF-D1	958.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	958.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	959.0030	21.14
Floodrights F 49	100yr-10day	OFF-D1	959.2530	21.14
Floodrights F 49	100yr-10day	OFF-D1	959.5030	21.14
Floodrights F 49	100yr-10day	OFF-D1	959.7530	21.14
Floodrights F 49	100yr-10day	OFF-D1	960.0030	21.14
Floodrights F 49	100yr-10day	OFF-D2	0.0000	0.00
Floodrights F 49	100yr-10day	OFF-D2	0.2520	0.00
Floodrights F 49	100yr-10day	OFF-D2	0.5008	0.00
Floodrights F 49	100yr-10day	OFF-D2	0.7522	0.00
Floodrights F 49	100yr-10day	OFF-D2	1.0009	0.00
Floodrights F 49	100yr-10day	OFF-D2	1.2509	0.00
Floodrights F 49	100yr-10day	OFF-D2	1.5009	0.00
Floodrights F 49	100yr-10day	OFF-D2	1.7509	0.00
Floodrights F 49	100yr-10day	OFF-D2	2.0009	0.00
Floodrights F 49	100yr-10day	OFF-D2	2.2509	0.00
Floodrights F 49	100yr-10day	OFF-D2	2.5009	0.00
Floodrights F 49	100yr-10day	OFF-D2	2.7509	0.00
Floodrights F 49	100yr-10day	OFF-D2	3.0009	0.00
Floodrights F 49	100yr-10day	OFF-D2	3.2509	0.00
Floodrights F 49	100yr-10day	OFF-D2	3.5009	0.00
Floodrights F 49	100yr-10day	OFF-D2	3.7509	0.00
Floodrights F 49	100yr-10day	OFF-D2	4.0009	0.00
Floodrights F 49	100yr-10day	OFF-D2	4.2509	0.00
Floodrights F 49	100yr-10day	OFF-D2	4.5009	0.00
Floodrights F 49	100yr-10day	OFF-D2	4.7509	0.00
Floodrights F 49	100yr-10day	OFF-D2	5.0009	0.00
Floodrights F 49	100yr-10day	OFF-D2	5.2509	0.00
Floodrights F 49	100yr-10day	OFF-D2	5.5009	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights F 49	100yr-10day	OFF-D2	948.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	949.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	949.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	949.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	949.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	950.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	950.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	950.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	950.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	951.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	951.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	951.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	951.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	952.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	952.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	952.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	952.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	953.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	953.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	953.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	953.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	954.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	954.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	954.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	954.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	955.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	955.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	955.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	955.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	956.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	956.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	956.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	956.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	957.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	957.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	957.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	957.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	958.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	958.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	958.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	958.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	959.0030	0.00
Floodrights F 49	100yr-10day	OFF-D2	959.2530	0.00
Floodrights F 49	100yr-10day	OFF-D2	959.5030	0.00
Floodrights F 49	100yr-10day	OFF-D2	959.7530	0.00
Floodrights F 49	100yr-10day	OFF-D2	960.0030	0.00

Post-Development
Flood Rights
w/o Ponds
ICPR Input

Post-Development Flood Rights ICPR Layout



Manual Basin: BASIN 49

Scenario: Floodrights
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
14.8200	Basin 49	Basin 49	

Comment:

Manual Basin: BASIN F-OFF

Scenario: Floodrights
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 84.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
13.2000	Basin F-OFF	Basin F-OFF	

Comment:

Manual Basin: BASIN Pond G1-1

Scenario: Floodrights
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 39.2000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
7.0400	Basin Pond G1-1	Basin Pond G1-1	

Comment: Total Basin G1-1 is made up of Basin Pond G1-1, G1, G2, G2-OFF, G3-OFF and G3 (7.04+0.67+3.92+3.2+1.87+1.54=18.24 Ac)

Manual Basin: Basin E

Scenario: Floodrights
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
25.5000	Basin E	Basin E	

Comment:

Manual Basin: Basin E5

Scenario: Floodrights
Node: NE5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2800	Basin E5	Basin E5	

Comment:

Manual Basin: Basin F1

Scenario: Floodrights
Node: F1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.1000	Basin F1	Basin F1	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F2

Scenario: Floodrights
Node: F2

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6800	Basin F2	Basin F2	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F3

Scenario: Floodrights
Node: F3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.4500	Basin F3	Basin F3	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin F4

Scenario: Floodrights
Node: F4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
4.5500	Basin F4	Basin F4	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: Basin G1

Scenario: Floodrights
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Basin G1	Basin G1	

Comment: Information from FDOT FPID 36210-1439; This is a sub-basin in Basin G1-1

Manual Basin: Basin G10

Scenario: Floodrights
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G10	Basin G10	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G11

Scenario: Floodrights
Node: G11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.9100	Basin G11	Basin G11	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G12

Scenario: Floodrights
Node: G12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.2300	Basin G12	Basin G12	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G13

Scenario: Floodrights
Node: G13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.2400	Basin G13	Basin G13	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G14

Scenario: Floodrights
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.3900	Basin G14	Basin G14	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G2

Scenario: Floodrights
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484

Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.9200	Basin G2	Basin G2	

Comment: Information from FDOT FPID 36210-1439; This is a sub-basin in Basin G1-1

Manual Basin: Basin G3

Scenario: Floodrights
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.8700	Basin G3	Basin G3	

Comment: Information from FDOT FPID 36210-1439; This is a sub-basin in Basin G1-1

Manual Basin: Basin G4

Scenario: Floodrights
Node: G4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.5700	Basin G4	Basin G4	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G2

Manual Basin: Basin G5

Scenario: Floodrights
Node: G5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.7400	Basin G5	Basin G5	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G6

Scenario: Floodrights
Node: G6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
5.2400	Basin G6	Basin G6	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G7

Scenario: Floodrights
Node: G7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2800	Basin G7/8	Basin G7/8	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: Basin G9

Scenario: Floodrights
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.8100	Basin G9	Basin G9	

Comment: Information from FDOT FPID 36210-1439 - This is a sub-basin in Basin G2

Manual Basin: NE OFFSITE

Scenario: Floodrights
Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 34.5000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
77.4300	OFFSITE	OFFSITE	

Comment:

Manual Basin: OFF-G14

Scenario: Floodrights
Node: G14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.6300	OFF G14	OFF G14	

Comment: Information from FDOT FPID 36210-1439

Manual Basin: OFF-G2

Scenario: Floodrights
Node: G1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.2000	OFF G2	OFF G2	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G3

Scenario: Floodrights
Node: G3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5400	OFF G3	OFF G3	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFF-G9

Scenario: Floodrights
Node: G10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
3.0700	OFF G9	OFF G9	

Comment: Area updated - This is a sub-basin in Basin G2

Manual Basin: OFFSITE-D2

Scenario: Floodrights
Node: Depressional Area 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.7000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
15.6900	OFFSITE	OFFSITE	

Comment: Depression 2 basin

Manual Basin: SE OFFSITE

Scenario: Floodrights

Node: Depressional Area 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.3000 min
Max Allowable Q: 999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
23.1500	OFFSITE	OFFSITE	

Comment:

Node: Depressional Area 1

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	0.1200	5227
67.00	1.7600	76666
68.00	3.4700	151153
69.00	5.5900	243500
70.00	7.6700	334105
71.00	9.6700	421225
72.00	11.8100	514444
73.00	13.8600	603742

Comment:

Node: Depressional Area 2

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.28 ft
Warning Stage: 73.50 ft

Stage [ft]	Area [ac]	Area [ft2]
69.28	0.0000	0
70.00	0.3200	13939
71.00	2.3300	101495
72.00	3.7100	161608
73.00	6.0200	262231
73.50	9.7000	422532

Comment:

Node: F1

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 84.07 ft
Warning Stage: 86.47 ft

Stage [ft]	Area [ac]	Area [ft2]
84.07	0.0000	0
84.37	0.0220	958
84.67	0.0340	1481
84.97	0.0480	2091
85.27	0.0630	2744
85.57	0.0810	3528
85.87	0.0990	4312
86.17	0.1190	5184
86.47	0.1400	6098

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F2

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 82.07 ft
Warning Stage: 85.07 ft

Stage [ft]	Area [ac]	Area [ft2]
82.07	0.0000	0
82.37	0.0840	3659
82.67	0.0980	4269
82.97	0.1120	4879
83.27	0.1260	5489
83.57	0.1400	6098
83.87	0.1550	6752
84.17	0.1710	7449
84.47	0.1860	8102
85.07	0.2240	9757

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F3

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.67 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0850	3703
80.87	0.1030	4487
81.27	0.1210	5271
81.67	0.1390	6055
82.07	0.1580	6882
82.47	0.1780	7754
82.87	0.1980	8625
83.27	0.2210	9627
83.67	0.2460	10716

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: F4

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 77.07 ft
Warning Stage: 80.97 ft

Stage [ft]	Area [ac]	Area [ft2]
77.07	0.0000	0
77.57	0.3020	13155
78.07	0.3660	15943
78.57	0.4320	18818
79.07	0.4990	21736
79.57	0.5670	24699
80.07	0.6360	27704
80.57	0.7060	30753
80.97	0.7760	33803

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: G1

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 77.87 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.47	0.2840	12371
74.87	0.3600	15682
75.27	0.4370	19036
75.67	0.5140	22390
76.07	0.5920	25788
76.47	0.6840	29795

Stage [ft]	Area [ac]	Area [ft2]
76.87	0.7770	33846
77.27	0.8730	38028
77.87	1.0210	44475

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G10

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.57 ft
Warning Stage: 74.77 ft

Stage [ft]	Area [ac]	Area [ft2]
71.57	0.0000	0
71.67	0.0410	1786
72.37	0.0600	2614
72.77	0.0810	3528
73.17	0.1020	4443
73.57	0.1350	5881
73.97	0.1480	6447
74.37	0.1760	7667
74.77	0.2060	8973

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G11

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 73.27 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0500	2178
70.87	0.0630	2744
71.27	0.0780	3398
71.67	0.0940	4095
72.07	0.1110	4835
72.47	0.1300	5663
72.87	0.1500	6534
73.27	0.1730	7536

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G12

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 72.27 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.67	0.2040	8886
69.27	0.2680	11674
69.87	0.3340	14549
70.47	0.4040	17598
71.07	0.4760	20735
71.67	0.5500	23958
72.27	0.6320	27530

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G13

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 70.07 ft
Warning Stage: 73.67 ft

Stage [ft]	Area [ac]	Area [ft2]
70.07	0.0000	0
70.47	0.0580	2526
70.87	0.0780	3398
71.27	0.1000	4356
71.67	0.1220	5314
72.07	0.1460	6360
72.47	0.1710	7449
72.87	0.1990	8668
73.67	0.2620	11413

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G14

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 75.67 ft

Stage [ft]	Area [ac]	Area [ft2]
74.07	0.0000	0
74.27	0.0320	1394

Stage [ft]	Area [ac]	Area [ft2]
74.47	0.0430	1873
74.67	0.0560	2439
74.87	0.0700	3049
75.07	0.0850	3703
75.27	0.0990	4312
75.47	0.1140	4966
75.67	0.1280	5576

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G3

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 72.57 ft
Warning Stage: 75.07 ft

Stage [ft]	Area [ac]	Area [ft2]
72.57	0.0000	0
72.87	0.0340	1481
73.17	0.0490	2134
73.47	0.0640	2788
73.77	0.0810	3528
74.07	0.0980	4269
74.37	0.1180	5140
74.67	0.1400	6098
75.07	0.1690	7362

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G4

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 73.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0540	2352
71.87	0.0670	2919
72.27	0.0820	3572
72.67	0.0990	4312
73.07	0.1180	5140
73.47	0.1390	6055
73.87	0.1610	7013
74.07	0.1710	7449

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: G5

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 73.00 ft

Stage [ft]	Area [ac]	Area [ft2]
68.07	0.0000	0
68.57	0.0570	2483
69.07	0.0740	3223
69.57	0.0930	4051
70.07	0.1140	4966
70.57	0.1370	5968
71.07	0.1610	7013
71.57	0.1880	8189
71.97	0.2100	9148

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin G2
Warning stage based on R/W

Node: G6

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.57 ft
Warning Stage: 70.75 ft

Stage [ft]	Area [ac]	Area [ft2]
66.57	0.0000	0
67.07	0.1740	7579
67.57	0.2250	9801
68.07	0.2780	12110
68.57	0.3080	13416
69.07	0.3900	16988
69.57	0.4490	19558
70.07	0.5090	22172
70.47	0.5680	24742

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: G7

Scenario: Floodrights
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 75.40 ft

Stage [ft]	Area [ac]	Area [ft2]
71.07	0.0000	0
71.47	0.0840	3659
71.87	0.1010	4400
72.27	0.1180	5140
72.67	0.1360	5924
73.07	0.1560	6795
73.47	0.1770	7710
73.87	0.2010	8756
74.27	0.2260	9845
74.67	0.2520	10977

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')
Warning stage based on low edge of pavement

Node: GW-E

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.80 ft
Warning Stage: 78.50 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.80
0	0	0	96.0000	74.80

Comment: Boring information from PBS-1, PBS-2, PBS-22, PBS- 23 and PBS-24 shows the average SHWT estimated at 74.8'

Node: GW-E5

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft
Warning Stage: 80.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	72.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-F1

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 79.07 ft
Warning Stage: 86.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	79.07
0	0	0	96.0000	79.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F2

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 78.07 ft
Warning Stage: 84.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	78.07
0	0	0	96.0000	78.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F3

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 74.07 ft
Warning Stage: 83.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	74.07
0	0	0	96.0000	74.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-F4

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 72.07 ft

Warning Stage: 77.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	72.07
0	0	0	96.0000	72.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93') - This is a sub-basin in Basin F

Node: GW-G1

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 71.07 ft
Warning Stage: 78.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	71.07
0	0	0	96.0000	71.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G10

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 67.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	67.07
0	0	0	96.0000	67.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G11

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 72.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G12

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G13

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 62.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	62.07
0	0	0	96.0000	62.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G14

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 68.07 ft
Warning Stage: 75.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	68.07
0	0	0	96.0000	68.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G2

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 69.07 ft
Warning Stage: 75.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	69.07
0	0	0	96.0000	69.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G3

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 74.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G4

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 66.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	66.07
0	0	0	96.0000	66.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G5

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft

Warning Stage: 71.57 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G6

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 61.07 ft
Warning Stage: 70.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	61.07
0	0	0	96.0000	61.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: GW-G7

Scenario: Floodrights
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 63.07 ft
Warning Stage: 73.07 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	63.07
0	0	0	96.0000	63.07

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Node: MH E-3

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 75.00 ft
Warning Stage: 77.00 ft

Stage [ft]	Area [ac]	Area [ft2]
75.00	0.0010	44
77.00	0.0010	44

Comment:

Node: NE5

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.07 ft
Warning Stage: 83.27 ft

Stage [ft]	Area [ac]	Area [ft2]
80.07	0.0000	0
80.47	0.0450	1960
80.87	0.0580	2526
81.27	0.0710	3093
81.67	0.0850	3703
82.07	0.1000	4356
82.47	0.1150	5009
82.87	0.1310	5706
83.27	0.1490	6490

Comment:

Node: OFF-D1

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 66.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
66.00	1.0100	43996
67.00	1.4500	63162
70.00	2.6800	116741
71.00	2.9000	126324
72.00	3.6100	157252
73.00	3.8500	167706
74.00	4.2600	185566

Comment: Represents offsite pop-off location for Depressional Area 1

Node: OFF-D2

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 69.00 ft
Warning Stage: 74.00 ft

Stage [ft]	Area [ac]	Area [ft2]
69.00	0.0500	2178
70.00	2.0700	90169
71.00	7.7400	337154
72.00	13.5300	589367
73.00	20.5600	895594
74.00	35.8000	1559448

Comment: Represents offsite pop-off location for Depressional Area 2

Node: Pond E-3

Scenario: Floodrights
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 80.50 ft
Warning Stage: 85.00 ft

Stage [ft]	Area [ac]	Area [ft2]
80.50	2.9800	129809
81.66	3.1400	136778
84.23	3.5200	153331
86.87	3.9300	171191
87.00	3.9500	172062
88.00	4.5500	198198

Comment: Warning stage set to low edge of pavement

Pipe Link: CD-2

Scenario: Floodrights
From Node: F4
To Node: NE5
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 196.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	80.84 ft	Invert:	80.15 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry:	Circular	Geometry:	Circular
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Pipe Link: CD-3

Scenario: Floodrights

Upstream		Downstream	
Invert:	70.11 ft	Invert:	67.83 ft

From Node:	G12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Information from survey

Drop Structure Link: DS POND E		Upstream Pipe		Downstream Pipe	
Scenario:	Floodrights	Invert:	76.00 ft	Invert:	75.50 ft
From Node:	Pond E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	400.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment: DS INVERT SET PER DITCH FL IN I-75 R/W

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	83.20 ft	Op Table:	
Control Elevation:	83.20 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	3.08 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment: Invert set to control discharge

Drop Structure Comment:

Pipe Link: L-E3		Upstream		Downstream	
Scenario:	Floodrights	Invert:	75.50 ft	Invert:	73.00 ft
From Node:	MH E-3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	G10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-3		Upstream		Downstream	
Scenario:	Floodrights	Invert:	80.00 ft	Invert:	76.00 ft
From Node:	NE5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	MH E-3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	900.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Percolation Link: PERC-E5			
Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	NE5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E5	Perimeter 1:	313.30 ft
Link Count:	1	Perimeter 2:	713.00 ft
Flow Direction:	Both	Perimeter 3:	3693.00 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	3.150 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	2.100 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment:

Percolation Link: PERC-F1

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F1	Perimeter 1:	404.00 ft
Link Count:	1	Perimeter 2:	744.11 ft
Flow Direction:	Both	Perimeter 3:	2369.04 ft
Aquifer Base Elevation:	72.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	79.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F2

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F2	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F2	Perimeter 1:	577.50 ft
Link Count:	1	Perimeter 2:	1046.16 ft
Flow Direction:	Both	Perimeter 3:	2007.42 ft
Aquifer Base Elevation:	71.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	78.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	4.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	3.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F3

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F3	Perimeter 1:	511.30 ft
Link Count:	1	Perimeter 2:	772.42 ft
Flow Direction:	Both	Perimeter 3:	1603.85 ft
Aquifer Base Elevation:	68.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-F4

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	F4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-F4	Perimeter 1:	1552.00 ft
Link Count:	1	Perimeter 2:	1835.49 ft
Flow Direction:	Both	Perimeter 3:	2171.02 ft
Aquifer Base Elevation:	64.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	72.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	31.500 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	21.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.75 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G1

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G1	Perimeter 1:	402.66 ft
Link Count:	1	Perimeter 2:	718.56 ft
Flow Direction:	Both	Perimeter 3:	1046.88 ft
Aquifer Base Elevation:	65.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	71.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G10

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G10	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G10	Perimeter 1:	530.00 ft
Link Count:	1	Perimeter 2:	887.78 ft
Flow Direction:	Both	Perimeter 3:	2693.05 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	67.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G11

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G11	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G11	Perimeter 1:	342.66 ft
Link Count:	1	Perimeter 2:	667.49 ft
Flow Direction:	Both	Perimeter 3:	1633.47 ft
Aquifer Base Elevation:	60.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G12

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G12	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G12	Perimeter 1:	1115.14 ft
Link Count:	1	Perimeter 2:	1448.86 ft
Flow Direction:	Both	Perimeter 3:	2502.20 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G13

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G13	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G13	Perimeter 1:	555.00 ft
Link Count:	1	Perimeter 2:	864.01 ft
Flow Direction:	Both	Perimeter 3:	1904.77 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	62.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	11.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G14

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G14	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G14	Perimeter 1:	628.00 ft
Link Count:	1	Perimeter 2:	971.81 ft
Flow Direction:	Both	Perimeter 3:	2791.16 ft
Aquifer Base Elevation:	61.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	68.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G2

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G1	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G2	Perimeter 1:	1519.00 ft
Link Count:	1	Perimeter 2:	1853.22 ft
Flow Direction:	Both	Perimeter 3:	2123.75 ft
Aquifer Base Elevation:	63.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	69.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	6.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G3

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G3	Perimeter 1:	538.50 ft
Link Count:	1	Perimeter 2:	864.99 ft
Flow Direction:	Both	Perimeter 3:	1071.47 ft
Aquifer Base Elevation:	58.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G4

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G4	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G4	Perimeter 1:	351.34 ft
Link Count:	1	Perimeter 2:	634.78 ft
Flow Direction:	Both	Perimeter 3:	814.79 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	66.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	29.250 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	19.500 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	7.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G5

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G5	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G5	Perimeter 1:	368.00 ft
Link Count:	1	Perimeter 2:	703.05 ft
Flow Direction:	Both	Perimeter 3:	888.64 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	8.50 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G6

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G6	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G6	Perimeter 1:	1116.66 ft
Link Count:	1	Perimeter 2:	1470.67 ft
Flow Direction:	Both	Perimeter 3:	2471.40 ft
Aquifer Base Elevation:	55.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	61.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	9.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-G7

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	G7	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-G7	Perimeter 1:	381.00 ft
Link Count:	1	Perimeter 2:	758.48 ft
Flow Direction:	Both	Perimeter 3:	2600.17 ft
Aquifer Base Elevation:	57.07 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	63.07 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	27.000 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	18.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	10.00 ft		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93'); conversion factor of 2/3 used to convert horizontal to vertical conductivity

Percolation Link: PERC-PONDE

Scenario:	Floodrights	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	Pond E-3	Vertical Flow Termination:	Horizontal Flow Algorithm
To Node:	GW-E	Perimeter 1:	1807.00 ft
Link Count:	1	Perimeter 2:	2121.00 ft
Flow Direction:	Both	Perimeter 3:	4822.80 ft
Aquifer Base Elevation:	74.80 ft	Distance P1 to P2:	50.00 ft
Water Table Elevation:	74.80 ft	Distance P2 to P3:	450.00 ft
Annual Recharge Rate:	0 ipy	# of Cells P1 to P2:	10
Horizontal Conductivity:	11.120 fpd	# of Cells P2 to P3:	45
Vertical Conductivity:	9.000 fpd		
Fillable Porosity:	0.200		
Layer Thickness:	5.70 ft		

Comment: Pond E-3 is located in the NW quadrant of the proposed interchange. Boring information from PBS-1, PBS-2, PBS-22 (with confining layer at 72.5'), PBS- 23 and PBS-24 shows the average SHWT and confing layer estimated at 74.8'. FOS of 2 on horizontal and vertical conductivities

Weir Link: W1

Scenario:	Floodrights	**Bottom Clip**	
From Node:	F4	Default:	0.00 ft
To Node:	G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	79.87 ft	**Discharge Coefficients**	
Control Elevation:	79.87 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W10

Scenario:	Floodrights
From Node:	G10
To Node:	G11
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.40 ft
Control Elevation:	75.40 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Link: W11

Scenario:	Floodrights
From Node:	G11
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Comment: raised existing weir

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Link: W13

Scenario:	Floodrights
From Node:	G13
To Node:	G12
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Invert:	74.00 ft
Control Elevation:	74.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W14

Scenario:	Floodrights
From Node:	G14
To Node:	G13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.50 ft
Control Elevation:	75.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: raised existing weir

Weir Link: W2

Scenario:	Floodrights
From Node:	G1
To Node:	G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.57 ft
Control Elevation:	75.57 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W3

Scenario:	Floodrights

Bottom Clip

From Node:	G3
To Node:	G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	75.00 ft
Control Elevation:	75.00 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W4

Scenario:	Floodrights
From Node:	G4
To Node:	G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	73.07 ft
Control Elevation:	73.07 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W5

Scenario:	Floodrights
From Node:	G5
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.77 ft
Control Elevation:	70.77 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Right Slope:	10.000 (h:v)

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: W6

Scenario:	Floodrights
From Node:	G6
To Node:	Depressional Area 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	70.75 ft
Control Elevation:	70.75 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	30.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: W7

Scenario:	Floodrights
From Node:	G7
To Node:	G6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	74.50 ft
Control Elevation:	74.50 ft
Max Depth:	999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Comment: raised existing weir

Weir Link: WEIR D1-D2

Scenario:	Floodrights
From Node:	OFF-D1
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	

Geometry Type:	Irregular
Invert:	74.00 ft
Control Elevation:	74.00 ft
Cross Section:	X-D1-D2

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: WEIR OFF-1

Scenario:	Floodrights
From Node:	Depressional Area 1
To Node:	OFF-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.00 ft
Control Elevation:	73.00 ft
Cross Section:	X-OFF-1-W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the north

Weir Link: WEIR OFF-2

Scenario:	Floodrights
From Node:	Depressional Area 2
To Node:	OFF-D2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	73.50 ft
Control Elevation:	73.50 ft
Cross Section:	X-OFF-2-W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: represents elevation at which the depression overtops to the adjacent offsite depressional area to the east

Weir Link: WF1

Scenario:	Floodrights
From Node:	F1
To Node:	F2
Link Count:	1
Flow Direction:	Both

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	86.07 ft	Ref Node:	
Control Elevation:	86.07 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	10.000 (h:v)	Orifice Table:	
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF2

Scenario:	Floodrights	Bottom Clip	
From Node:	F2	Default:	0.00 ft
To Node:	F3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	84.57 ft	Discharge Coefficients	
Control Elevation:	84.57 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Weir Link: WF3

Scenario:	Floodrights	Bottom Clip	
From Node:	F3	Default:	0.00 ft
To Node:	F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	82.87 ft	Discharge Coefficients	
Control Elevation:	82.87 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	10.000 (h:v)		
Right Slope:	10.000 (h:v)		

Comment: Information from FDOT FPID 36210-1439; Converted to NAVD (-0.93')

Simulation: 100yr-10day

Scenario: Floodrights
Run Date/Time: 1/12/2021 10:35:53 AM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	960.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Rainfall Name: ~FDOT-240
Rainfall Amount: 16.80 in
Storm Duration: 240.0000 hr

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

Energy Switch (1D): Energy

Comment:

Simulation: 25yr-24hr-SJRWMD

Scenario: Floodrights
Run Date/Time: 1/12/2021 10:41:33 AM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

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

IA Recovery Time: 24.0000 hr

Manual Basin Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FLMOD
		Rainfall Amount:	8.25 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 25yr-96hr

Scenario: Floodrights
Run Date/Time: 1/12/2021 10:42:26 AM
Program Version: ICPR4 4.04.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	432.0000

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

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CurveNumbers
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basins

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SJRWMD-96
		Rainfall Amount:	11.50 in
Edge Length Option:	Automatic	Storm Duration:	96.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Post-Development
Flood Rights
ICPR Output

Peak Stage

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights	25yr-96hr	Depressional Area 1	73.00	72.56
Floodrights	25yr-96hr	Depressional Area 2	73.50	73.11
Floodrights	25yr-96hr	OFF-D1	74.00	66.00
Floodrights	25yr-96hr	OFF-D2	73.50	69.00
Floodrights	25yr-96hr	Pond E-3	85.00	80.50

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights	25yr-96hr	G1	77.87	76.86
Floodrights	25yr-96hr	G10	77.82	76.22
Floodrights	25yr-96hr	G11	77.82	75.85
Floodrights	25yr-96hr	G12	77.82	73.11
Floodrights	25yr-96hr	G13	77.82	74.09
Floodrights	25yr-96hr	G14	77.82	75.94
Floodrights	25yr-96hr	G3	77.60	76.32
Floodrights	25yr-96hr	G4	73.40	74.38
Floodrights	25yr-96hr	G5	73.00	73.11
Floodrights	25yr-96hr	G6	70.75	73.11
Floodrights	25yr-96hr	G7	75.40	74.73

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights	100yr-10day	Depressional Area 1	73.00	74.06
Floodrights	100yr-10day	Depressional Area 2	73.50	73.69
Floodrights	100yr-10day	OFF-D1	74.00	74.06
Floodrights	100yr-10day	OFF-D2	73.50	71.71
Floodrights	100yr-10day	Pond E-3	85.00	80.50

Scenario	Sim	Node Name	Warning Stage [ft]	Maximum Stage [ft]
Floodrights	100yr-10day	G1	77.87	76.05
Floodrights	100yr-10day	G10	77.82	75.82
Floodrights	100yr-10day	G11	77.82	75.43
Floodrights	100yr-10day	G12	77.82	74.09
Floodrights	100yr-10day	G13	77.82	73.49
Floodrights	100yr-10day	G14	77.82	75.61
Floodrights	100yr-10day	G3	77.60	75.51
Floodrights	100yr-10day	G4	73.40	73.75
Floodrights	100yr-10day	G5	73.00	73.71
Floodrights	100yr-10day	G6	70.75	73.70
Floodrights	100yr-10day	G7	75.40	74.61

Peak Discharge

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights	25yr-24hr-SJRWMD	Depressional Area 1	85.14
Floodrights	25yr-24hr-SJRWMD	Depressional Area 2	28.31
Floodrights	25yr-24hr-SJRWMD	OFF-D1	0.00
Floodrights	25yr-24hr-SJRWMD	OFF-D2	0.00
Floodrights	25yr-24hr-SJRWMD	Pond E-3	3.91

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights	25yr-24hr-SJRWMD	G1	41.15
Floodrights	25yr-24hr-SJRWMD	G10	30.51
Floodrights	25yr-24hr-SJRWMD	G11	30.42
Floodrights	25yr-24hr-SJRWMD	G12	21.39
Floodrights	25yr-24hr-SJRWMD	G13	13.53
Floodrights	25yr-24hr-SJRWMD	G14	10.55
Floodrights	25yr-24hr-SJRWMD	G3	36.26
Floodrights	25yr-24hr-SJRWMD	G4	34.88
Floodrights	25yr-24hr-SJRWMD	G5	33.71
Floodrights	25yr-24hr-SJRWMD	G6	36.12
Floodrights	25yr-24hr-SJRWMD	G7	11.76

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights	100yr-10day	Depressional Area 1	56.80
Floodrights	100yr-10day	Depressional Area 2	34.31
Floodrights	100yr-10day	OFF-D1	38.30
Floodrights	100yr-10day	OFF-D2	26.40
Floodrights	100yr-10day	Pond E-3	0.00

Scenario	Sim	Node Name	Maximum Total Inflow Rate [cfs]
Floodrights	100yr-10day	G1	15.61
Floodrights	100yr-10day	G10	12.04
Floodrights	100yr-10day	G11	12.35
Floodrights	100yr-10day	G12	13.42
Floodrights	100yr-10day	G13	2.62
Floodrights	100yr-10day	G14	1.58
Floodrights	100yr-10day	G3	16.62
Floodrights	100yr-10day	G4	16.47
Floodrights	100yr-10day	G5	16.33
Floodrights	100yr-10day	G6	30.11
Floodrights	100yr-10day	G7	1.73

Peak Volume

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights	100yr-10day	Depressional Area 1	954.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	954.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	955.0013	85.32
Floodrights	100yr-10day	Depressional Area 1	955.2513	85.32
Floodrights	100yr-10day	Depressional Area 1	955.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	955.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	956.0013	85.32
Floodrights	100yr-10day	Depressional Area 1	956.2513	85.32
Floodrights	100yr-10day	Depressional Area 1	956.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	956.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	957.0013	85.32
Floodrights	100yr-10day	Depressional Area 1	957.2513	85.32
Floodrights	100yr-10day	Depressional Area 1	957.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	957.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	958.0013	85.32
Floodrights	100yr-10day	Depressional Area 1	958.2513	85.32
Floodrights	100yr-10day	Depressional Area 1	958.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	958.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	959.0013	85.32
Floodrights	100yr-10day	Depressional Area 1	959.2513	85.32
Floodrights	100yr-10day	Depressional Area 1	959.5013	85.32
Floodrights	100yr-10day	Depressional Area 1	959.7513	85.32
Floodrights	100yr-10day	Depressional Area 1	960.0013	85.32
Floodrights	100yr-10day	Depressional Area 2	0.0000	0.00
Floodrights	100yr-10day	Depressional Area 2	0.2520	0.00
Floodrights	100yr-10day	Depressional Area 2	0.5008	0.00
Floodrights	100yr-10day	Depressional Area 2	0.7522	0.00
Floodrights	100yr-10day	Depressional Area 2	1.0009	0.00
Floodrights	100yr-10day	Depressional Area 2	1.2509	0.00
Floodrights	100yr-10day	Depressional Area 2	1.5009	0.00
Floodrights	100yr-10day	Depressional Area 2	1.7509	0.00
Floodrights	100yr-10day	Depressional Area 2	2.0009	0.00
Floodrights	100yr-10day	Depressional Area 2	2.2509	0.00
Floodrights	100yr-10day	Depressional Area 2	2.5009	0.00
Floodrights	100yr-10day	Depressional Area 2	2.7509	0.00
Floodrights	100yr-10day	Depressional Area 2	3.0009	0.00
Floodrights	100yr-10day	Depressional Area 2	3.2509	0.00
Floodrights	100yr-10day	Depressional Area 2	3.5009	0.00
Floodrights	100yr-10day	Depressional Area 2	3.7509	0.00
Floodrights	100yr-10day	Depressional Area 2	4.0009	0.00
Floodrights	100yr-10day	Depressional Area 2	4.2509	0.00
Floodrights	100yr-10day	Depressional Area 2	4.5009	0.00
Floodrights	100yr-10day	Depressional Area 2	4.7509	0.00
Floodrights	100yr-10day	Depressional Area 2	5.0009	0.00
Floodrights	100yr-10day	Depressional Area 2	5.2509	0.00
Floodrights	100yr-10day	Depressional Area 2	5.5009	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights	100yr-10day	Depressional Area 2	948.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	949.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	949.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	949.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	949.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	950.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	950.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	950.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	950.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	951.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	951.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	951.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	951.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	952.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	952.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	952.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	952.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	953.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	953.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	953.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	953.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	954.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	954.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	954.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	954.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	955.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	955.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	955.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	955.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	956.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	956.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	956.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	956.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	957.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	957.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	957.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	957.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	958.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	958.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	958.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	958.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	959.0013	24.83
Floodrights	100yr-10day	Depressional Area 2	959.2513	24.83
Floodrights	100yr-10day	Depressional Area 2	959.5013	24.83
Floodrights	100yr-10day	Depressional Area 2	959.7513	24.83
Floodrights	100yr-10day	Depressional Area 2	960.0013	24.83

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights	100yr-10day	OFF-D1	954.5013	24.43
Floodrights	100yr-10day	OFF-D1	954.7513	24.43
Floodrights	100yr-10day	OFF-D1	955.0013	24.43
Floodrights	100yr-10day	OFF-D1	955.2513	24.43
Floodrights	100yr-10day	OFF-D1	955.5013	24.43
Floodrights	100yr-10day	OFF-D1	955.7513	24.43
Floodrights	100yr-10day	OFF-D1	956.0013	24.43
Floodrights	100yr-10day	OFF-D1	956.2513	24.43
Floodrights	100yr-10day	OFF-D1	956.5013	24.43
Floodrights	100yr-10day	OFF-D1	956.7513	24.43
Floodrights	100yr-10day	OFF-D1	957.0013	24.43
Floodrights	100yr-10day	OFF-D1	957.2513	24.43
Floodrights	100yr-10day	OFF-D1	957.5013	24.43
Floodrights	100yr-10day	OFF-D1	957.7513	24.43
Floodrights	100yr-10day	OFF-D1	958.0013	24.43
Floodrights	100yr-10day	OFF-D1	958.2513	24.43
Floodrights	100yr-10day	OFF-D1	958.5013	24.43
Floodrights	100yr-10day	OFF-D1	958.7513	24.43
Floodrights	100yr-10day	OFF-D1	959.0013	24.43
Floodrights	100yr-10day	OFF-D1	959.2513	24.43
Floodrights	100yr-10day	OFF-D1	959.5013	24.43
Floodrights	100yr-10day	OFF-D1	959.7513	24.43
Floodrights	100yr-10day	OFF-D1	960.0013	24.43
Floodrights	100yr-10day	OFF-D2	0.0000	0.00
Floodrights	100yr-10day	OFF-D2	0.2520	0.00
Floodrights	100yr-10day	OFF-D2	0.5008	0.00
Floodrights	100yr-10day	OFF-D2	0.7522	0.00
Floodrights	100yr-10day	OFF-D2	1.0009	0.00
Floodrights	100yr-10day	OFF-D2	1.2509	0.00
Floodrights	100yr-10day	OFF-D2	1.5009	0.00
Floodrights	100yr-10day	OFF-D2	1.7509	0.00
Floodrights	100yr-10day	OFF-D2	2.0009	0.00
Floodrights	100yr-10day	OFF-D2	2.2509	0.00
Floodrights	100yr-10day	OFF-D2	2.5009	0.00
Floodrights	100yr-10day	OFF-D2	2.7509	0.00
Floodrights	100yr-10day	OFF-D2	3.0009	0.00
Floodrights	100yr-10day	OFF-D2	3.2509	0.00
Floodrights	100yr-10day	OFF-D2	3.5009	0.00
Floodrights	100yr-10day	OFF-D2	3.7509	0.00
Floodrights	100yr-10day	OFF-D2	4.0009	0.00
Floodrights	100yr-10day	OFF-D2	4.2509	0.00
Floodrights	100yr-10day	OFF-D2	4.5009	0.00
Floodrights	100yr-10day	OFF-D2	4.7509	0.00
Floodrights	100yr-10day	OFF-D2	5.0009	0.00
Floodrights	100yr-10day	OFF-D2	5.2509	0.00
Floodrights	100yr-10day	OFF-D2	5.5009	0.00

Scenario	Sim	Node Name	Relative Time [hrs]	Total Inflow Volume [ac_ft]
Floodrights	100yr-10day	OFF-D2	948.7513	12.89
Floodrights	100yr-10day	OFF-D2	949.0013	12.89
Floodrights	100yr-10day	OFF-D2	949.2513	12.89
Floodrights	100yr-10day	OFF-D2	949.5013	12.89
Floodrights	100yr-10day	OFF-D2	949.7513	12.89
Floodrights	100yr-10day	OFF-D2	950.0013	12.89
Floodrights	100yr-10day	OFF-D2	950.2513	12.89
Floodrights	100yr-10day	OFF-D2	950.5013	12.89
Floodrights	100yr-10day	OFF-D2	950.7513	12.89
Floodrights	100yr-10day	OFF-D2	951.0013	12.89
Floodrights	100yr-10day	OFF-D2	951.2513	12.89
Floodrights	100yr-10day	OFF-D2	951.5013	12.89
Floodrights	100yr-10day	OFF-D2	951.7513	12.89
Floodrights	100yr-10day	OFF-D2	952.0013	12.89
Floodrights	100yr-10day	OFF-D2	952.2513	12.89
Floodrights	100yr-10day	OFF-D2	952.5013	12.89
Floodrights	100yr-10day	OFF-D2	952.7513	12.89
Floodrights	100yr-10day	OFF-D2	953.0013	12.89
Floodrights	100yr-10day	OFF-D2	953.2513	12.89
Floodrights	100yr-10day	OFF-D2	953.5013	12.89
Floodrights	100yr-10day	OFF-D2	953.7513	12.89
Floodrights	100yr-10day	OFF-D2	954.0013	12.89
Floodrights	100yr-10day	OFF-D2	954.2513	12.89
Floodrights	100yr-10day	OFF-D2	954.5013	12.89
Floodrights	100yr-10day	OFF-D2	954.7513	12.89
Floodrights	100yr-10day	OFF-D2	955.0013	12.89
Floodrights	100yr-10day	OFF-D2	955.2513	12.89
Floodrights	100yr-10day	OFF-D2	955.5013	12.89
Floodrights	100yr-10day	OFF-D2	955.7513	12.89
Floodrights	100yr-10day	OFF-D2	956.0013	12.89
Floodrights	100yr-10day	OFF-D2	956.2513	12.89
Floodrights	100yr-10day	OFF-D2	956.5013	12.89
Floodrights	100yr-10day	OFF-D2	956.7513	12.89
Floodrights	100yr-10day	OFF-D2	957.0013	12.89
Floodrights	100yr-10day	OFF-D2	957.2513	12.89
Floodrights	100yr-10day	OFF-D2	957.5013	12.89
Floodrights	100yr-10day	OFF-D2	957.7513	12.89
Floodrights	100yr-10day	OFF-D2	958.0013	12.89
Floodrights	100yr-10day	OFF-D2	958.2513	12.89
Floodrights	100yr-10day	OFF-D2	958.5013	12.89
Floodrights	100yr-10day	OFF-D2	958.7513	12.89
Floodrights	100yr-10day	OFF-D2	959.0013	12.89
Floodrights	100yr-10day	OFF-D2	959.2513	12.89
Floodrights	100yr-10day	OFF-D2	959.5013	12.89
Floodrights	100yr-10day	OFF-D2	959.7513	12.89
Floodrights	100yr-10day	OFF-D2	960.0013	12.89

APPENDIX D

Excerpts from Existing I-75 Plans

W.P.I. NO. 5146282

FISCAL YEAR	SHEET NO.
95	1

4-083-0163 AG 19679-

1993

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINAL PLANS
STATE HIGHWAY

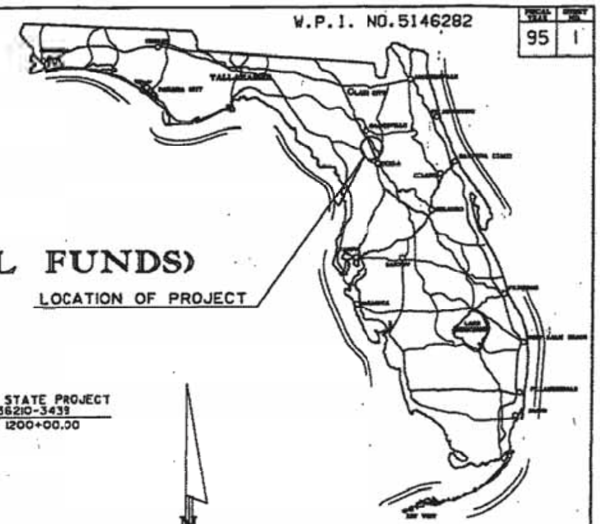
STATE PROJECT NO. 36210-3439 (FEDERAL FUNDS)
MARION COUNTY
I-75 FROM SR 500 TO CR 326

THIS CONTRACT PLAN SET INCLUDES

- ROADWAY PLANS
- SUMMARY OF PAY ITEMS (4 SHEETS)
- SIGNING AND PAVEMENT MARKING PLANS
- STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT SET OF PLANS

INDEX OF ROADWAY PLANS



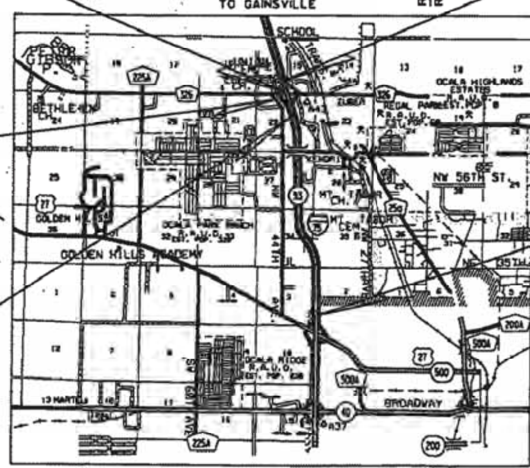
END BRIDGE
STA. 1166+06.96

BEGIN BRIDGE
STA. 1164+39.45

EQUATION
STA 1162+21.33 BK=
STA 1162+29.28 AH

END STATE PROJECT
NO. 36210-3439
STA 1200+00.00

BEGIN STATE PROJECT
NO. 36210-3439
STA 972+77.37
M.P. NO. 18.463



CONTRACTOR: WHITE CONSTRUCTION CO.
CONSULTANT: PARSONS BRINCKERHOFF CONST. SVCS. INC.
DISTRICT SECRETARY: R. HOUSTON
RESIDENT ENGINEER: R. POST
PROJECT ENGINEER: R. POLLOCK
DATE WORK STARTED: 02/23/94
DATE WORK COMP. ACCEPTED: 1/10/96
DATE WORK ACCEPTED: 1/21/96

ROADWAY PLANS
ENGINEER OF RECORD
Norman H. Johnson, P.E.
BEISWENGER, HOCH & ASSOCIATES, INC.
P.O. Box 160356
Altamonte Springs, Florida
32716-0356

PLANS PREPARED BY
BEISWENGER, HOCH & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALTAMONTE SPRINGS, FLORIDA

CONTRACT PLAN SET

RECEIVED
OCT 31 1996
By______

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS DATED 1991 AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

ROADWAY PLANS APPROVED BY: NORMAN H. JOHNSON

DATE:______

P. E. NO.: 4268

LENGTH OF PROJECT	LIN. FT.	MILES
ROADWAY	22,547.17	4.270
BRIDGES	167.51	0.032
NET LENGTH OF PROJECT	22,714.68	4.302
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	22,714.68	4.302

REVISIONS		
DATE	BY	DESCRIPTION
8-25-93	N.S.	Changed the summary of pay item sheets from 10 sheets to 14 sheets.
1-96		As built

REVISIONS

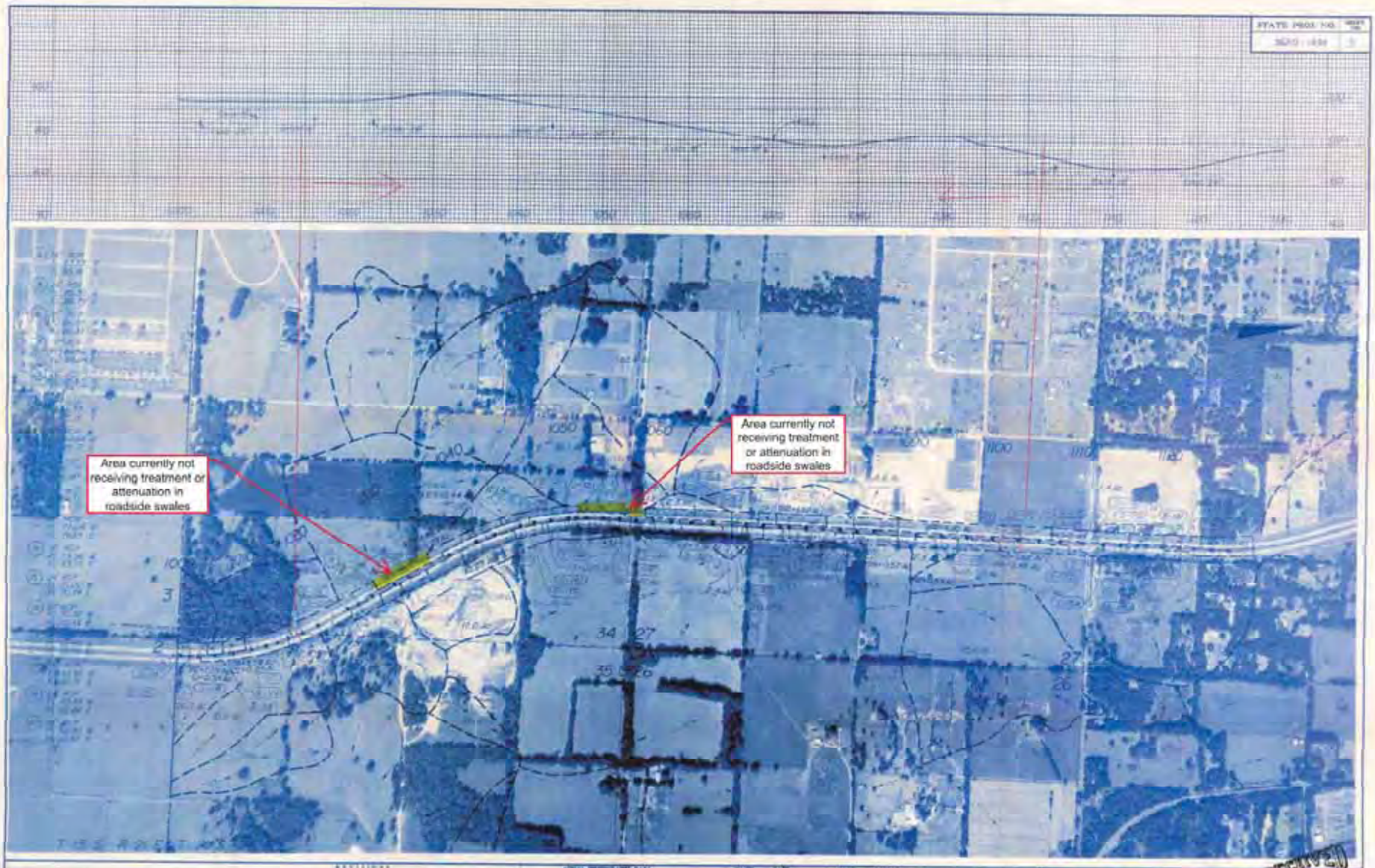
Roadway sheets 1,6,8,14,25,121 (revised 8-25-1993)
Signing and Pavement Marking sheets S-2 (revised 8-25-1993)
Roadway C&S, Signing C&S (Revised 8-26-93)
Bridge Sheets B-8, B-11, B-14, B-15, B-16, B-17, B-20, B-23; Bridge C&S (Revised 10-12-93)

F.D.O.T. PROJECT MANAGER: GEORGE J. PAPPAS, P.E.

08/26/93

#I-A
36210-3439

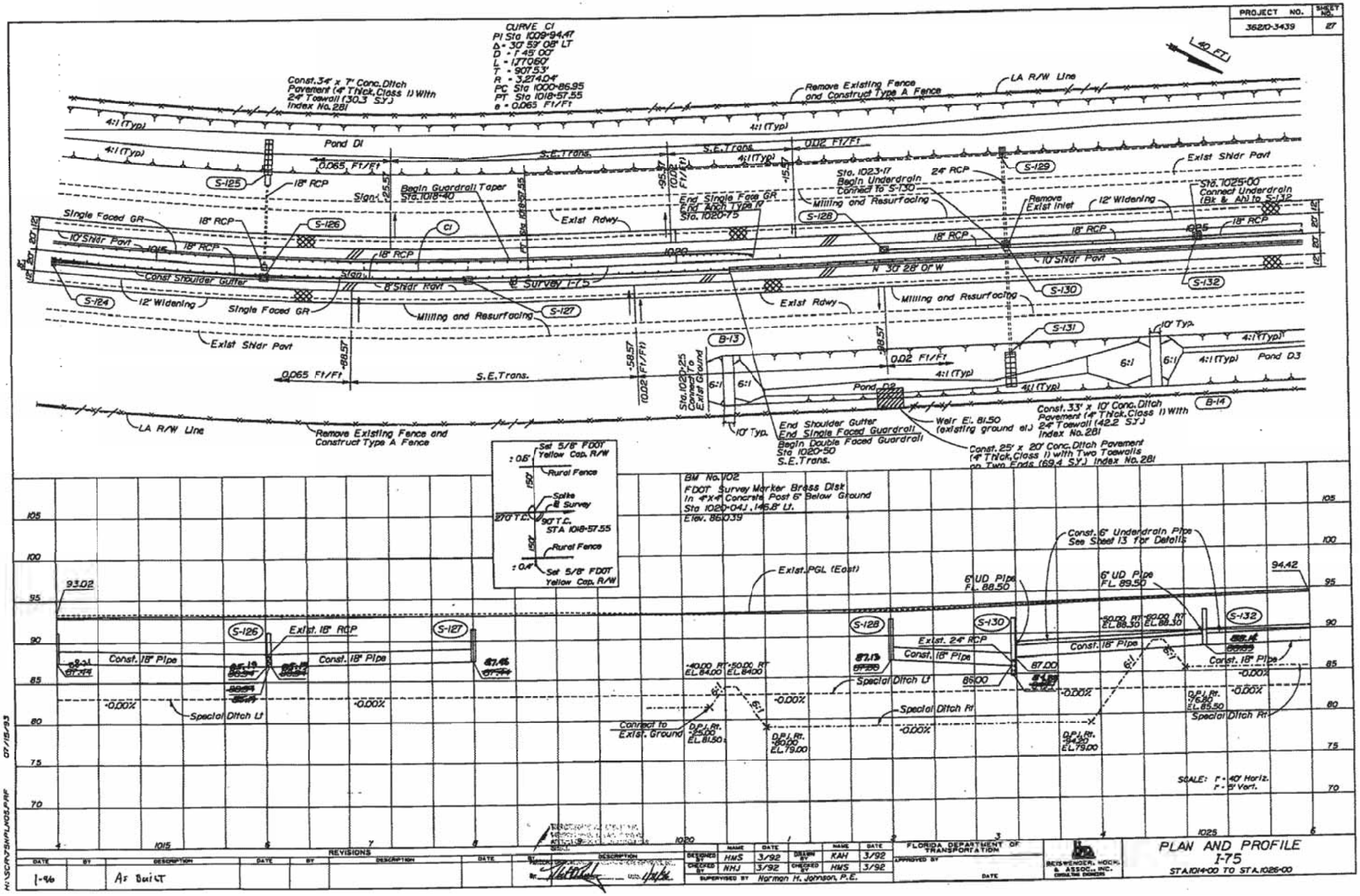
D-1

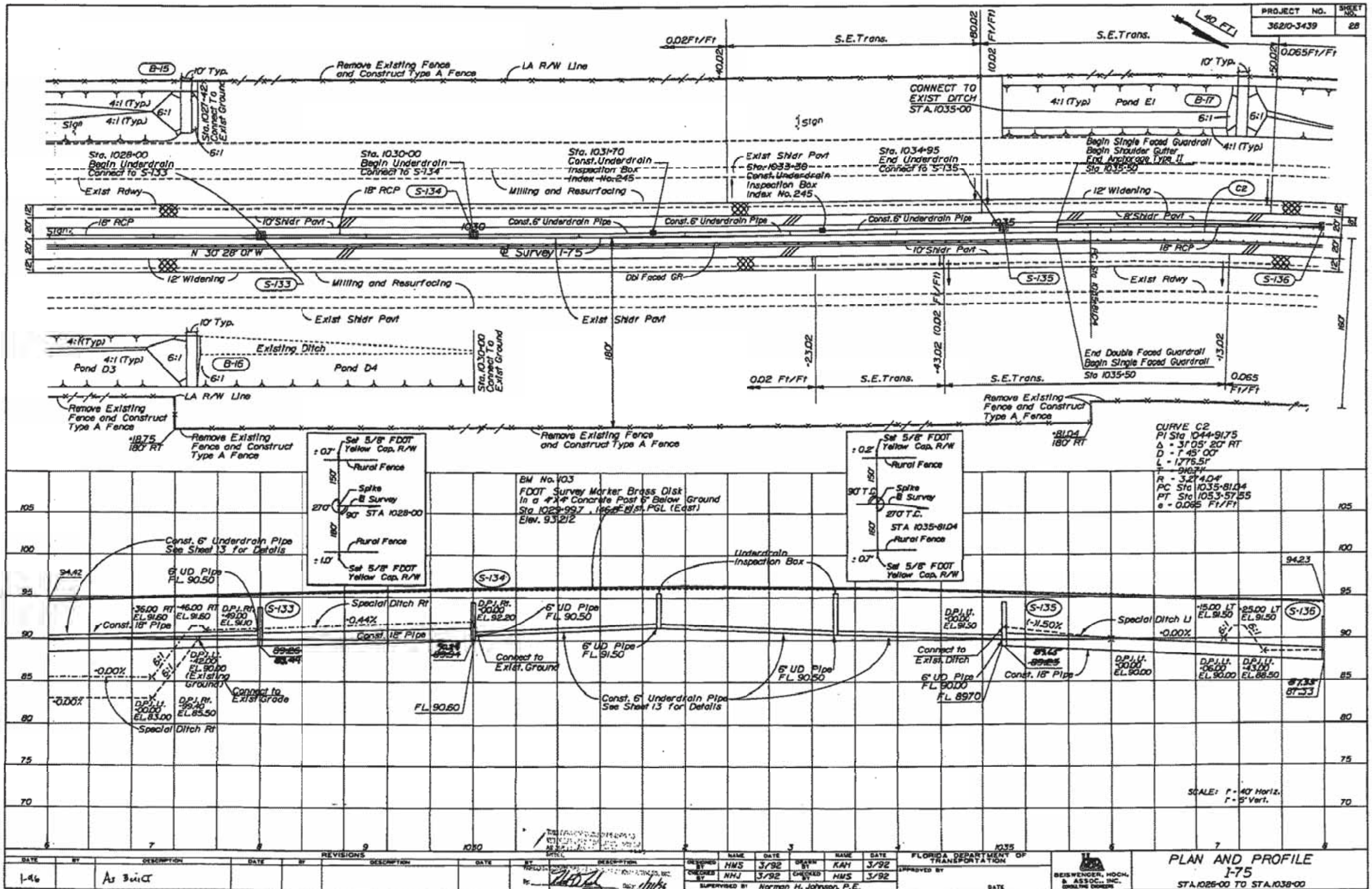


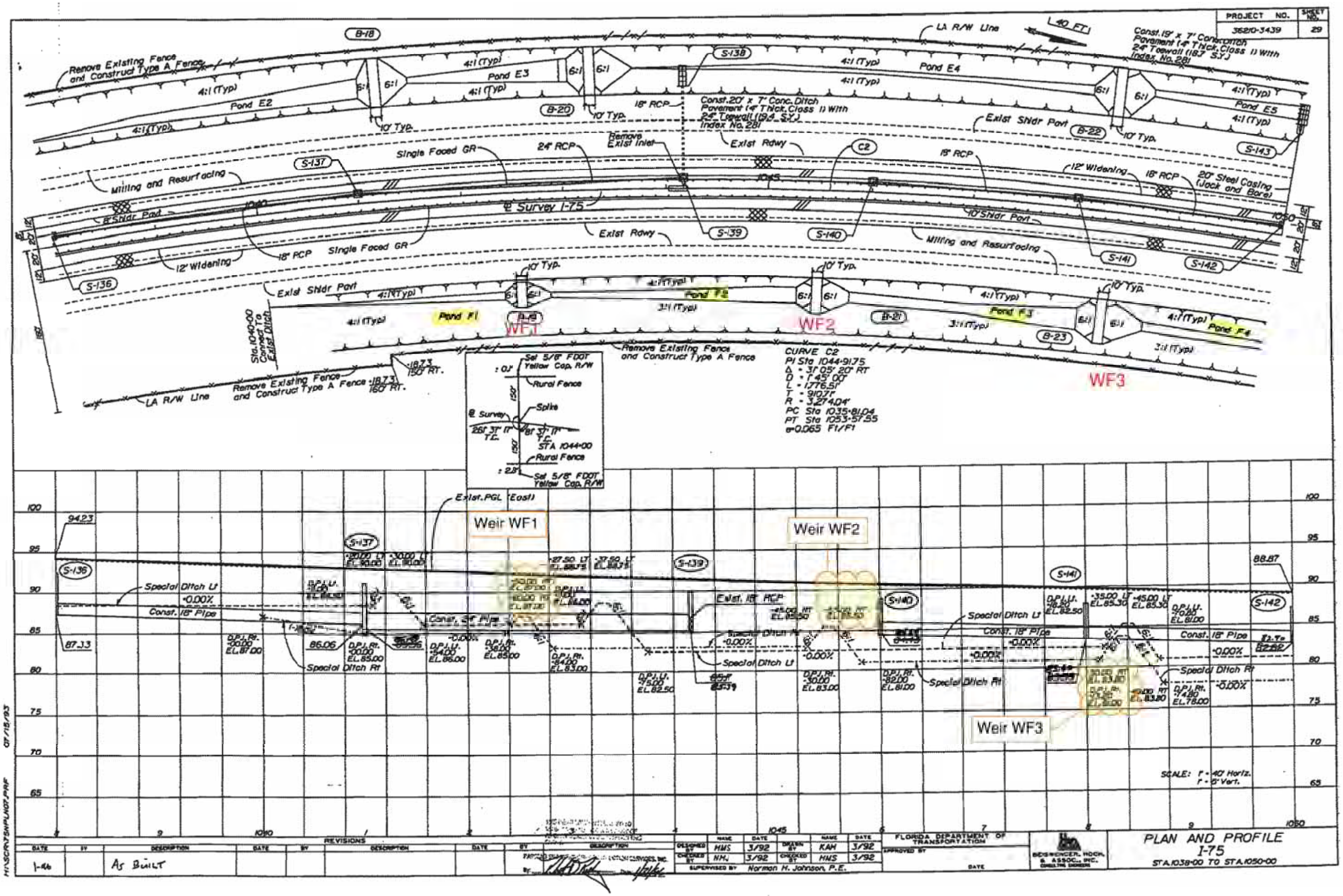
DRAINAGE MAP

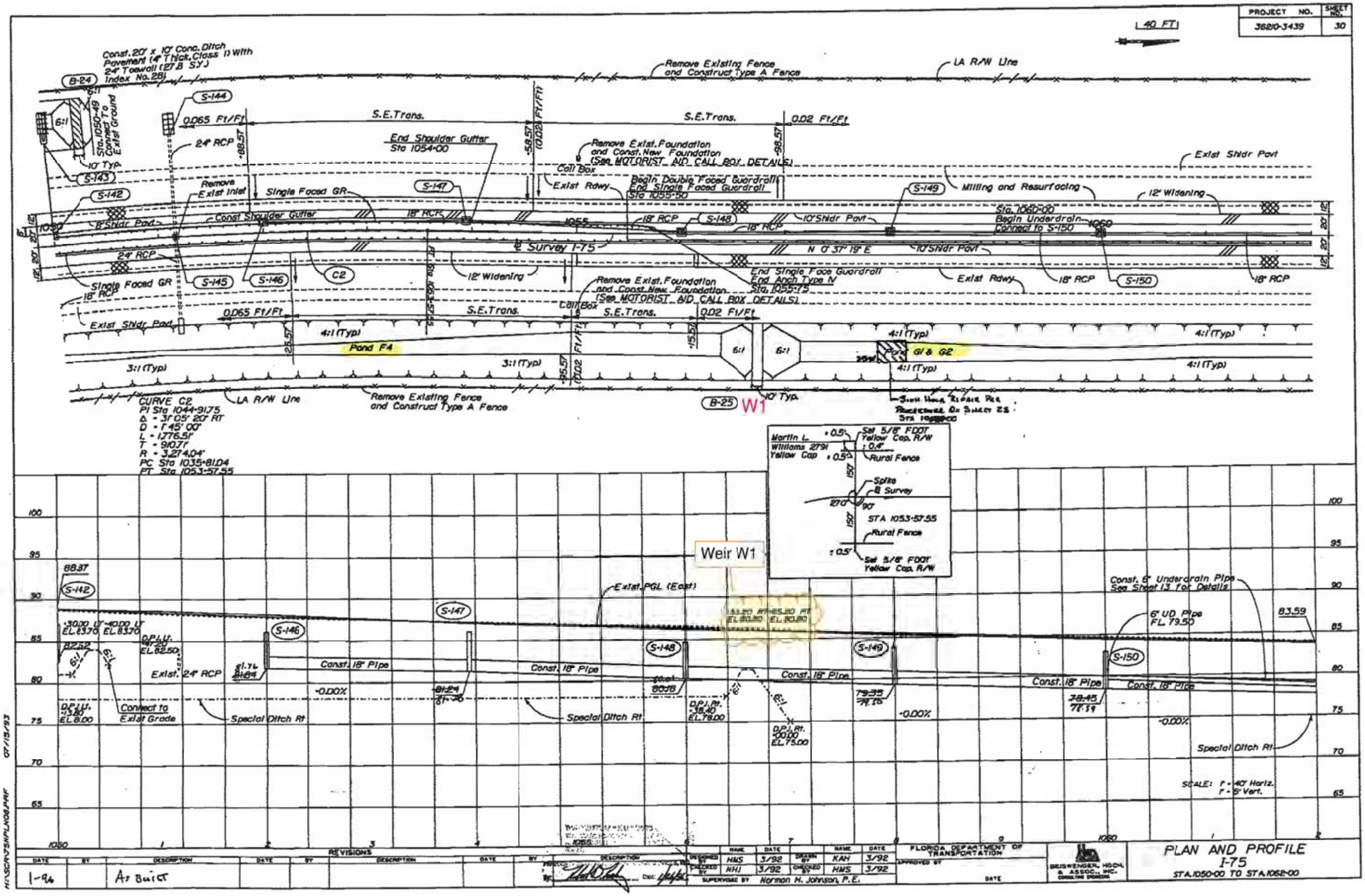
RECEIVED
MAR 23 1993

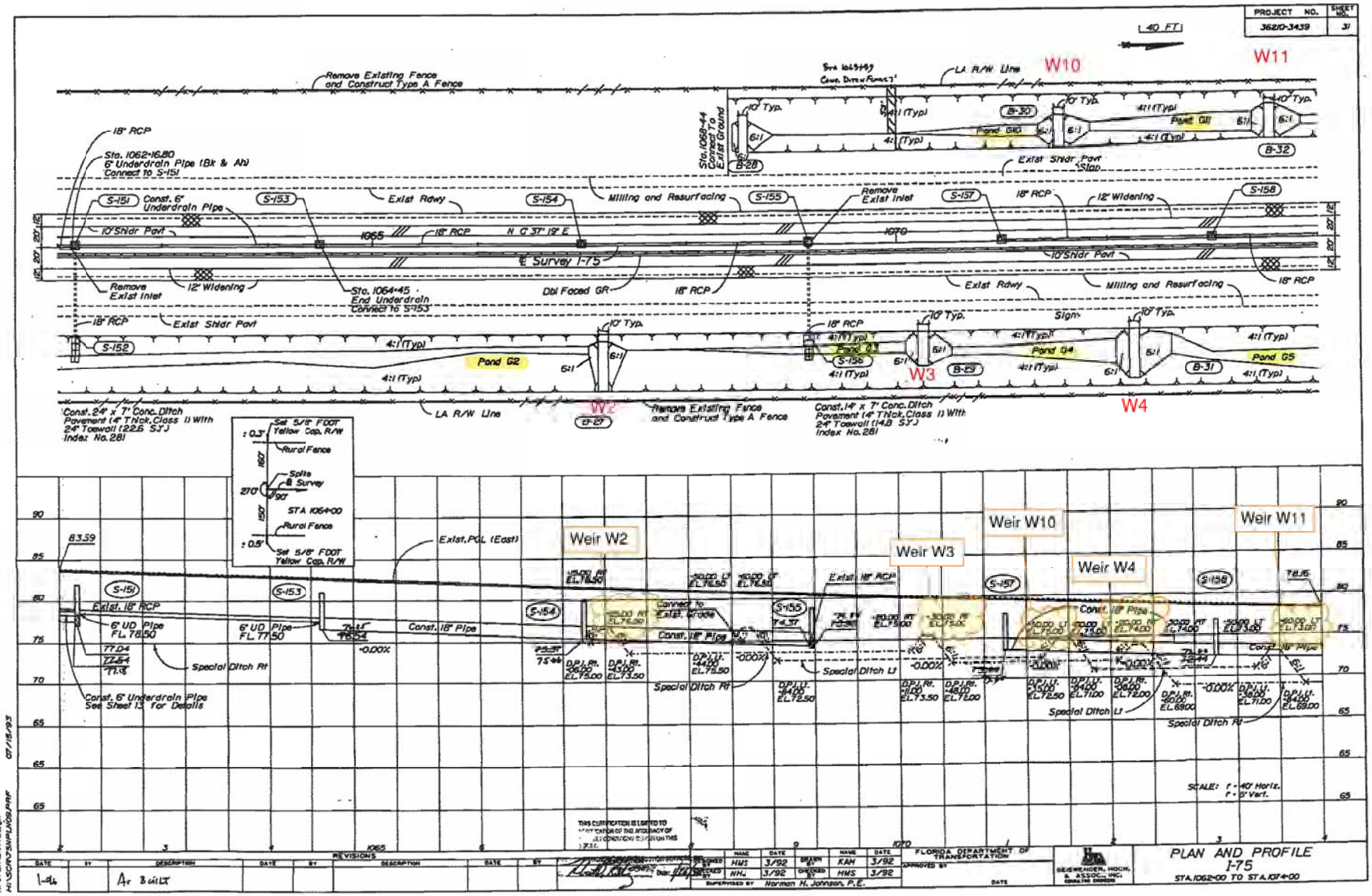
19679D2

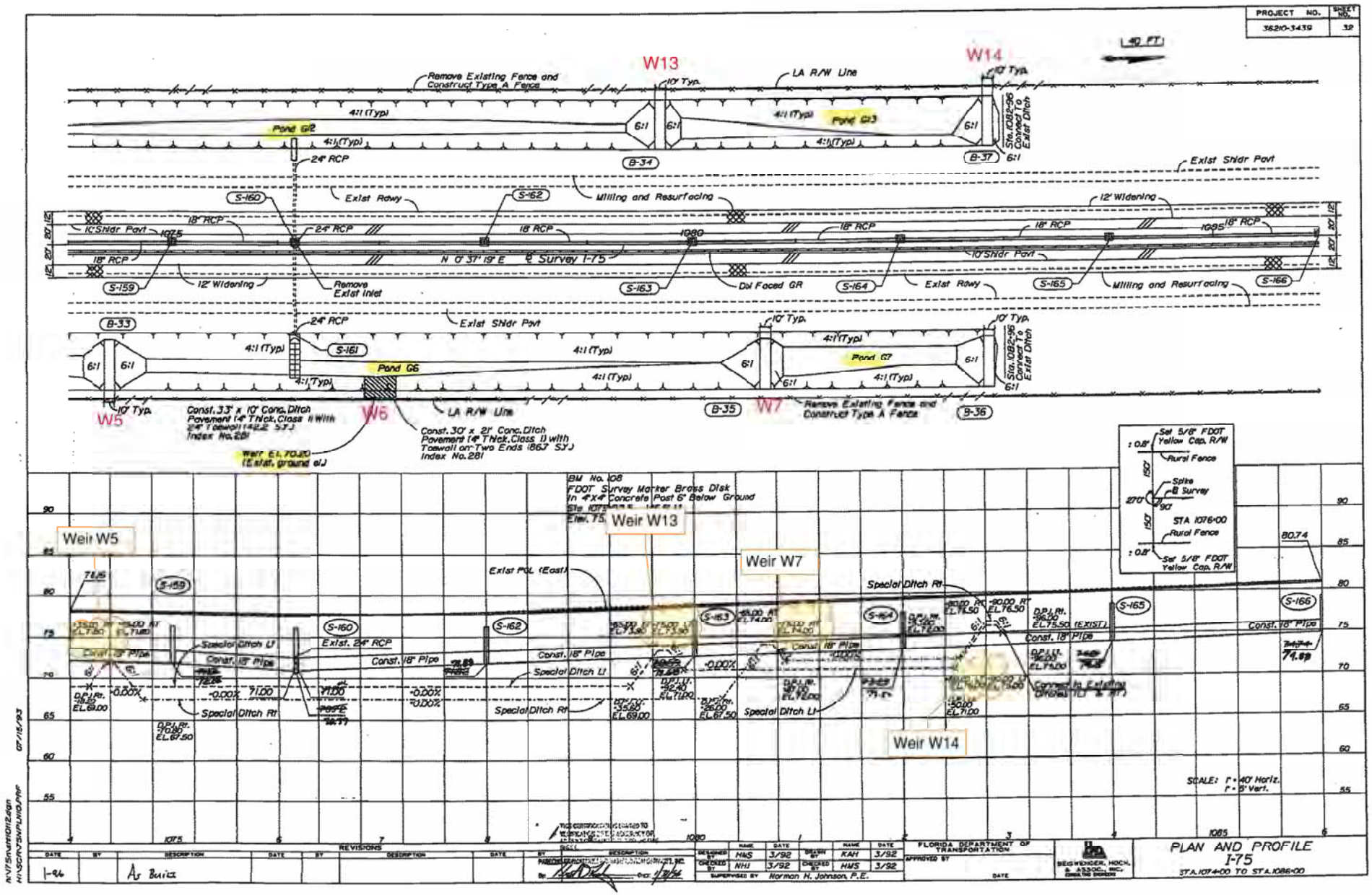

PROJECT NO. 36210-3439
SHEET NO. 27
CURVE C1
PI Sta 1009+94.47
Δ = 30°59'08" LT
D = 1°45'00"
L = 1770.60'
T = 907.53'
R = 3,274.04'
PC Sta 1000+86.95
PT Sta 1018+57.55
e = 0.065 Ft/Ft
Const. 34' x 7' Conc. Ditch Pavement (4" Thick, Class I) With 24" Toewall (30.3 SY) Index No. 281
Remove Existing Fence and Construct Type A Fence
LA R/W Line
Pond D1
Pond D2
Pond D3
S.E. Trans.
Exist Shldr Pavt
Begin Guardrail Taper Sta. 1018+40
End Single Face GR
Sta. 1023+17 Begin Underdrain Connect To S-130
Milling and Resurfacing
Sta. 1025+00 Connect Underdrain (Bk & Ah) to S-132
12' Widening
Single Faced GR
10' Shldr Pavt
Const Shoulder Gutter
18" RCP
24" RCP
Survey I-75
N 30°28'01" W
Exist Rdwy
Remove Exist Inlet
Weir El. 81.50 (existing ground el.)
Const. 33' x 10' Conc. Ditch Pavement (4" Thick, Class I) With 24" Toewall (42.2 SY) Index No. 281
Const. 25' x 20' Conc. Ditch Pavement (4" Thick, Class I) with Two Toewalls on Two Ends (69.4 SY) Index No. 281
End Shoulder Gutter
End Single Faced Guardrail
Begin Double Faced Guardrail
Sta. 1020+50
S.E. Trans.
Sta. 1020+25 Connect To Exist Ground
Set 5/8" FDOT Yellow Cap. R/W
Rural Fence
Spike Survey
STA 1018+57.55
BM No. 102
FDOT Survey Marker Brass Disk In 4"x4" Concrete Post 6" Below Ground
Sta 1020+04, 146.8' Lt.
Elev. 86.039
Const. 6" Underdrain Pipe See Sheet 13 for Details
Exist. PGL (East)
6" UD Pipe FL 88.50
6" UD Pipe FL 89.50
Const. 18" Pipe
Exist. 18" RCP
Exist. 24" RCP
Special Ditch Lt
Special Ditch Rt
Connect to Exist. Ground
-0.00%
93.02
94.42
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
REVISIONS
As Built
DESIGNED BY HMS 3/92
CHECKED BY NHJ 3/92
SUPERVISED BY Norman H. Johnson, P.E.
FLORIDA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
I-75
STA.1014+00 TO STA.1026+00


PROJECT NO. 36210-3439
SHEET NO. 28
PLAN AND PROFILE
I-75
STA.1026-00 TO STA.1038-00
FLORIDA DEPARTMENT OF TRANSPORTATION
BEISWENGER, HOCH, & ASSOC., INC.
Norman H. Johnson, P.E.
REVISIONS
As Built
S.E.Trans.
CONNECT TO EXIST DITCH STA.1035-00
Remove Existing Fence and Construct Type A Fence
LA R/W Line
Survey I-75
N 30°28'01" W
Milling and Resurfacing
Exist Shldr Pavt
12' Widening
CURVE C2
BM No. 103
FDOT Survey Marker Brass Disk
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
07/15/93


PROJECT NO. 36210-3439
SHEET NO. 29
PLAN AND PROFILE
I-75
STA.1038+00 TO STA.1050+00
Weir WF1
Weir WF2
Weir WF3
WF1
WF2
WF3
Pond E2
Pond E3
Pond E4
Pond E5
Pond F1
Pond F2
Pond F3
Pond F4
℄ Survey I-75
LA R/W Line
Remove Existing Fence and Construct Type A Fence
Milling and Resurfacing
12' Widening
Single Faced GR
Exist Shldr Pavt
Exist Rdwy
CURVE C2
PI Sta 1044+91.75
PC Sta 1035+81.04
PT Sta 1053+57.55
Special Ditch Lt
Special Ditch Rt
Const. 18" Pipe
Exist.PGL (East)
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
FLORIDA DEPARTMENT OF TRANSPORTATION
Norman H. Johnson, P.E.
As Built

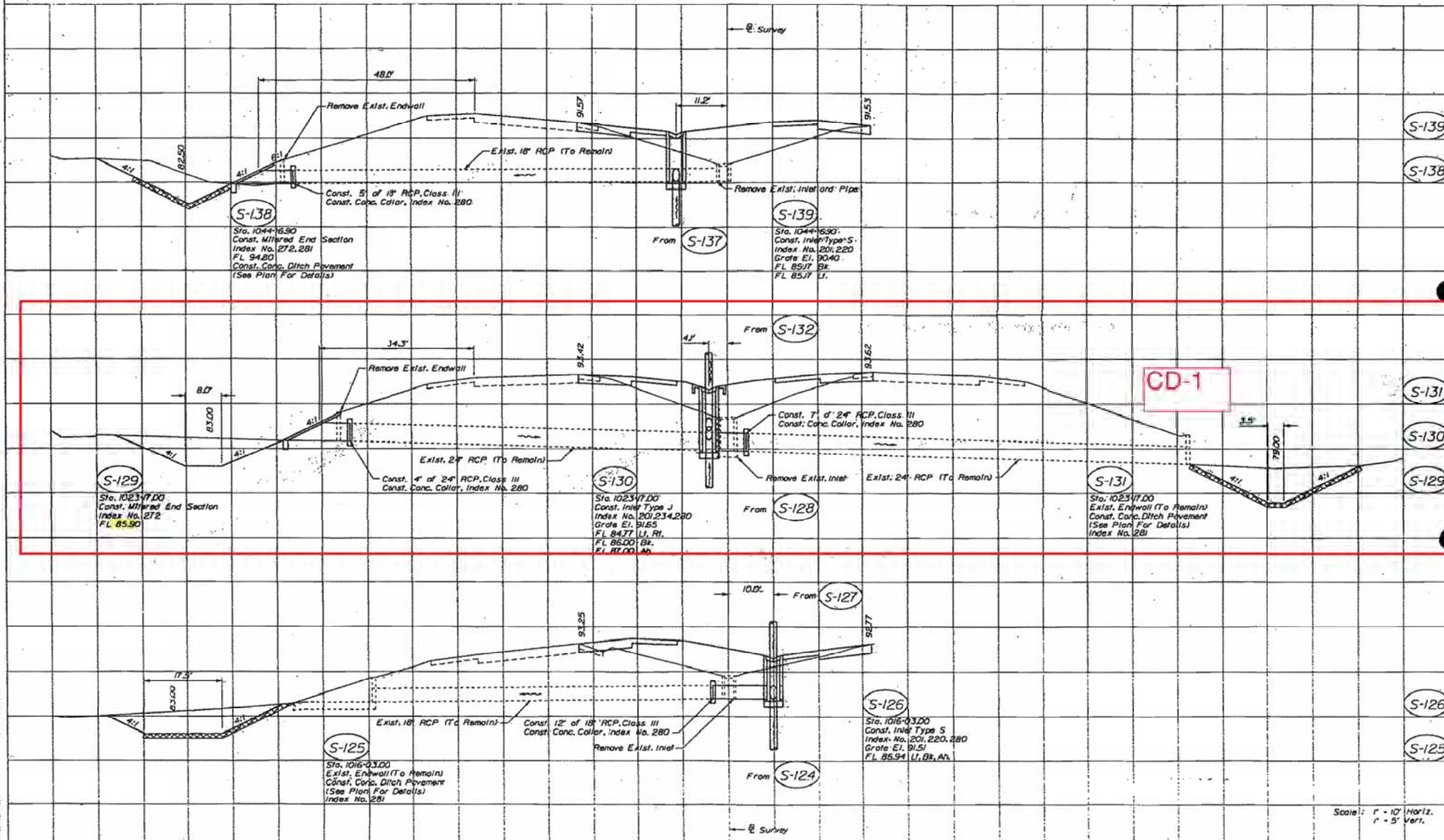

PROJECT NO. 36210-3439
SHEET NO. 30
40 FT
Const. 20' x 10' Conc. Ditch Pavement (4" Thick, Class I) with 24" Toewall (27.8 SY) Index No. 281
Remove Existing Fence and Construct Type A Fence
LA R/W Line
S.E.Trans.
0.065 Ft/Ft
0.02 Ft/Ft
24" RCP
End Shoulder Gutter Sta 1054+00
Remove Exist. Foundation and Const. New Foundation (See MOTORIST AID CALL BOX DETAILS)
Call Box
Exist Rdwy
Begin Double Faced Guardrail End Single Faced Guardrail Sta 1055+50
Exist Shldr Pavt
Milling and Resurfacing
12' Widening
Sta. 1060+00 Begin Underdrain Connect to S-150
Remove Exist Inlet
Single Faced GR
Const Shoulder Gutter
18" RCP
8' Shldr Pad
10' Shldr Pavt
Survey I-75
N 0° 37' 19" E
End Single Face Guardrail End Anch Type IV Sta. 1055+75
Exist Shldr Pad
Pond F4
G1 & G2
4:1 (Typ)
3:1 (Typ)
6:1
10' Typ.
B-24
B-25
W1
S-142
S-143
S-144
S-145
S-146
S-147
S-148
S-149
S-150
C2
CURVE C2
PI Sta 1044+91.75
Δ = 3° 05' 20" RT
D = 1° 45' 00"
L = 177.65'
T = 90.71'
R = 3,274.04'
PC Sta 1035+81.04
PT Sta 1053+57.55
Martin L. Williams 2791 Yellow Cap
Set 5/8" FDOT Yellow Cap. R/W
Rural Fence
Spike
Survey
STA 1053+57.55
Weir W1
Exist PGL (East)
Const. 6" Underdrain Pipe See Sheet 13 for Details
6" UD Pipe FL 79.50
83.59
88.87
Exist. 24" RCP
Const. 18" Pipe
-0.00%
Connect to Exist Grade
Special Ditch Rt
D.P.I. Rt. 100.00 EL 75.00
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
100
95
90
85
80
75
70
65
REVISIONS
DATE
BY
DESCRIPTION
1-96
As Built
Norman H. Johnson, P.E.
HNS
NHJ
KAH
3/92
FLORIDA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE I-75
STA.1050+00 TO STA.1062+00


PROJECT NO. 36210-3439
SHEET NO. 31
40 FT
W10
W11
W2
W3
W4
Remove Existing Fence and Construct Type A Fence
LA R/W Line
18" RCP
Sta. 1062+16.80 6" Underdrain Pipe (Bk & Ah) Connect to S-151
Const. 6" Underdrain Pipe
Exist Rdwy
Milling and Resurfacing
Remove Exist Inlet
12' Widening
10' Shldr Pavt
E Survey I-75
Remove Exist Inlet
Sta. 1064+45 End Underdrain Connect to S-153
Dbl Faced GR
Exist Shldr Pavt
Pond G2
Pond G3
Pond G4
Pond G5
Pond G10
Pond G11
Sta. 1068+44 Connect To Exist Ground
Exist Shldr Pavt Slop
Const. 24" x 7' Conc. Ditch Pavement (4" Thick, Class I) With 24" Toewall (22.6 SY) Index No. 281
Const. 14" x 7' Conc. Ditch Pavement (4" Thick, Class I) With 24" Toewall (14.8 SY) Index No. 281
Set 5/8" FDOT Yellow Cap. R/W
Rural Fence
Splits & Survey
STA 1064+00
Weir W2
Weir W3
Weir W4
Weir W10
Weir W11
Exist. PGL (East)
Exist. 18" RCP
6" UD Pipe FL 78.50
6" UD Pipe FL 77.50
Const. 18" Pipe
Special Ditch Rt
Special Ditch Lt
Const. 6" Underdrain Pipe See Sheet 13 For Details
Connect to Exist. Grade
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
FLORIDA DEPARTMENT OF TRANSPORTATION
Norman H. Johnson, P.E.
PLAN AND PROFILE I-75
STA.1062+00 TO STA.1074+00
As Built


PROJECT NO. 38210-3439
SHEET NO. 32
W13
W14
Remove Existing Fence and Construct Type A Fence
10' Typ.
LA R/W Line
4:1 (Typ)
6:1
Pond G2
Pond G3
Sta. 1082+96 Connect to Exist Ditch
B-34
B-37
Exist Shldr Pvt
24" RCP
Exist Rdwy
S-160
S-162
Milling and Resurfacing
12' Widening
18" RCP
10' Shldr Pvt
1075
1080
1085
N 0° 37' 19" E
℄ Survey I-75
S-159
S-163
S-164
S-165
S-166
12' Widening
Remove Exist Inlet
Dbl Faced GR
B-33
S-161
Pond G6
Pond G7
B-35
B-36
W5
W6
W7
Const. 33' x 10' Conc. Ditch Pavement (4" Thick, Class II With 24" Toewall (482 SYJ Index No. 281
Weir El. 70.20 (Exist. ground at)
Const. 30' x 21' Conc. Ditch Pavement (4" Thick, Class II with Toewall on Two Ends (867 SYJ Index No. 281
LA R/W Line
Remove Existing Fence and Construct Type A Fence
BM No. 108 FDOT Survey Marker Brass Disk in 4"X4" Concrete Post 6" Below Ground
Weir W5
Weir W13
Weir W7
Weir W14
Exist POL (East)
Special Ditch Rt
Special Ditch Lt
Exist. 24" RCP
Const. 18" Pipe
Exist. 18" Pipe
Set 5/8" FDOT Yellow Cap, R/W
Rural Fence
Spike ℄ Survey
STA 1076+00
Connect to Existing Ditch
SCALE: 1" = 40' Horiz. 1" = 5' Vert.
REVISIONS
DESIGNED HMS 3/92 DRAWN KAH 3/92
CHECKED NHJ 3/92 CHECKED HMS 3/92
SUPERVISED BY Norman H. Johnson, P.E.
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE
BESKEMPER, HOCH, & ASSOC., INC.
PLAN AND PROFILE
I-75
STA. 1074+00 TO STA. 1086+00

DRAINAGE STRUCTURES

PROJECT NO.	SHEET NO.
36210-3439	47



Scale: 1" = 10' Horiz.
1" = 5' Vert.

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAME	DATE		NAME	DATE
DESIGNED BY	KJL	11-92	DRAWN BY	TAH.	11-92
CHECKED BY	MMK.	11-92	CHECKED BY	KJL	11-92
SUPERVISED BY: Norman H. Johnson, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION

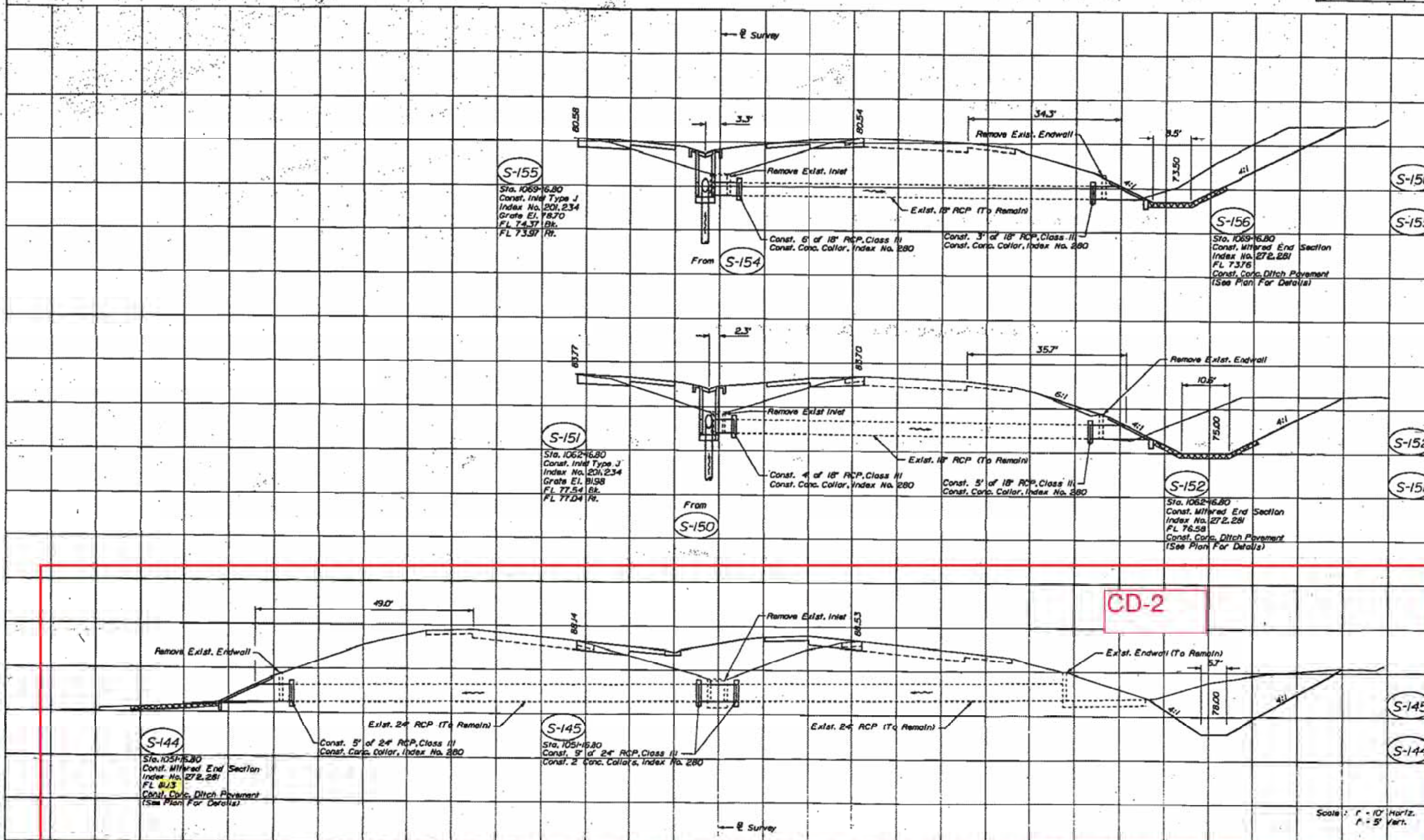
APPROVED BY — DATE

BEISWENGER, HOCH, & ASSOC., INC. CONSULTING ENGINEERS

DRAINAGE STRUCTURES

H:\SCRVSNDHSC\D.PRI 07/15/93

PROJECT NO.	SHEET NO.
36210-3439	48



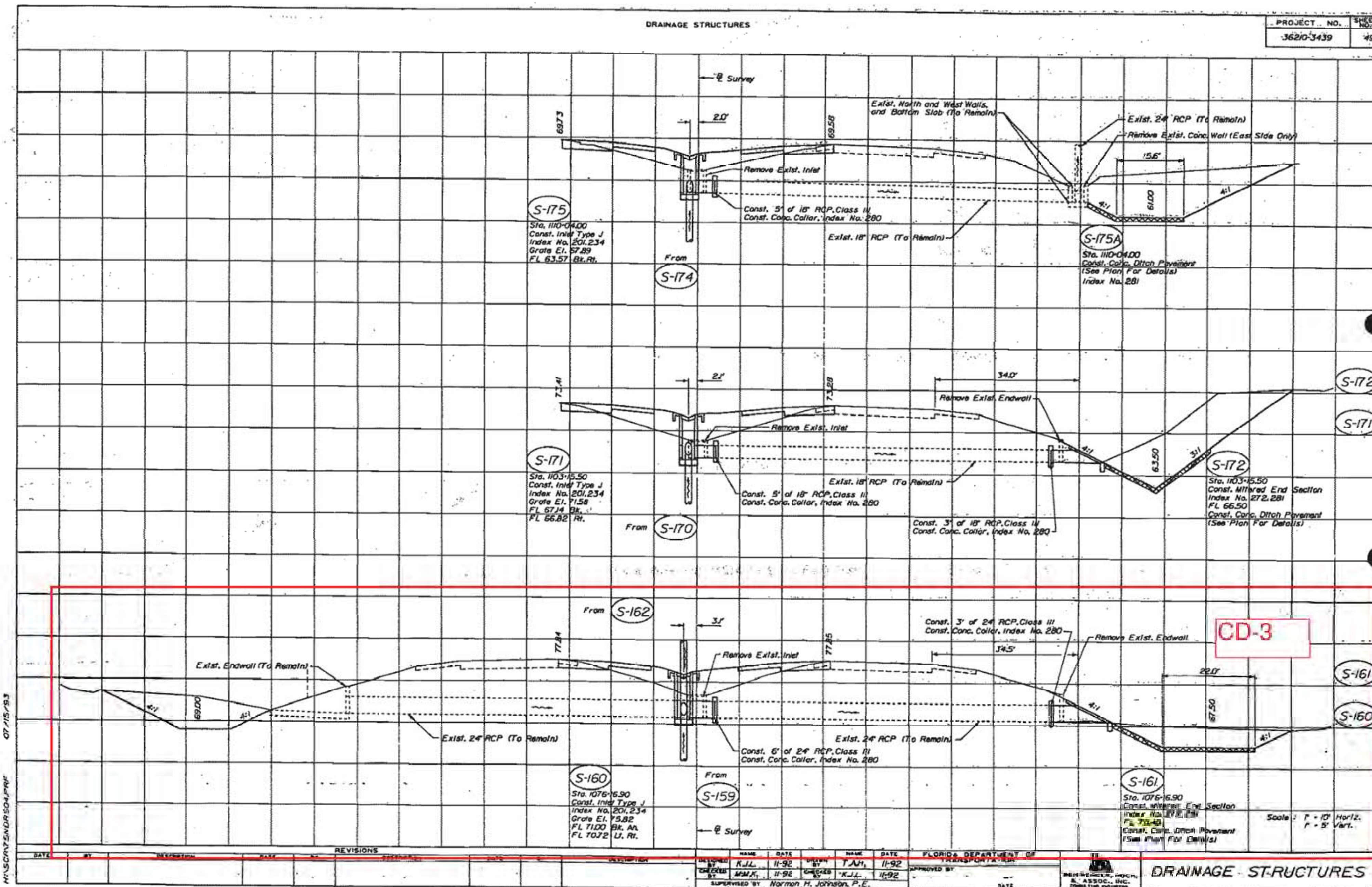
DESIGNED BY	K.J.L.	11-92	DRAWN BY	T.A.H.	11-92
CHECKED BY	M.M.K.	11-92	CHECKED BY	K.J.L.	11-92
SUPERVISED BY	Norman H. Johnson, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE

BEISWENGER, HOCH, & ASSOC., INC.

DRAINAGE STRUCTURES

H:\SCR\75\NDH503.PRF 07/15/93


DRAINAGE STRUCTURES
PROJECT NO. 36210-3439
SHEET NO. 49
℄ Survey
2.0'
69.73
69.58
Exist. North and West Walls, and Bottom Slab (To Remain)
Exist. 24" RCP (To Remain)
Remove Exist. Conc. Wall (East Side Only)
15.6'
61.00
4:1
Remove Exist. Inlet
Const. 5' of 18" RCP, Class III
Const. Conc. Collar, Index No. 280
Exist. 18" RCP (To Remain)
S-175
Sta. 1110+04.00
Const. Inlet Type J
Index No. 201, 234
Grate El. 67.89
FL 63.57 Bk. Rt.
From S-174
S-175A
Sta. 1110+04.00
Const. Conc. Ditch Pavement
(See Plan For Details)
Index No. 281
2.1'
73.41
73.28
34.0'
Remove Exist. Endwall
Remove Exist. Inlet
S-172
S-171
63.50
3:1
S-171
Sta. 1103+15.50
Const. Inlet Type J
Index No. 201, 234
Grate El. 71.58
FL 67.14 Bk.
FL 66.82 Rt.
Exist. 18" RCP (To Remain)
Const. 5' of 18" RCP, Class III
Const. Conc. Collar, Index No. 280
From S-170
Const. 3' of 18" RCP, Class III
Const. Conc. Collar, Index No. 280
S-172
Sta. 1103+15.50
Const. Mitered End Section
Index No. 272, 281
FL 66.50
Const. Conc. Ditch Pavement
(See Plan For Details)
CD-3
From S-162
3.1'
77.24
77.25
Const. 3' of 24" RCP, Class III
Const. Conc. Collar, Index No. 280
Remove Exist. Endwall
34.5'
Exist. Endwall (To Remain)
Remove Exist. Inlet
22.0'
S-161
S-160
69.00
67.50
Exist. 24" RCP (To Remain)
Exist. 24" RCP (To Remain)
Const. 6' of 24" RCP, Class III
Const. Conc. Collar, Index No. 280
S-160
Sta. 1076+16.90
Const. Inlet Type J
Index No. 201, 234
Grate El. 75.82
FL 71.00 Bk. Rt.
FL 70.72 Lt. Rt.
From S-159
℄ Survey
S-161
Sta. 1076+16.90
Const. Mitered End Section
FL 70.40
Const. Conc. Ditch Pavement
(See Plan For Details)
Scale: 1" = 10' Horiz.
1" = 5' Vert.
REVISIONS
DATE
BY
DESCRIPTION
DESIGNED BY K.J.L. 11-92
DRAWN BY T.A.H. 11-92
CHECKED BY M.M.K. 11-92
CHECKED BY K.J.L. 11-92
SUPERVISED BY Norman H. Johnson, P.E.
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE
& ASSOC., INC.
CONSULTING ENGINEERS
DRAINAGE STRUCTURES
D-11
H:\SCR\75NDRS04.PRF
07/15/93

APPENDIX E

Excerpts from Barracuda Boat & Storage Plans and Permit

Transferred to Operation

AS-BUILT PLAN
BARRACUDA BOAT & RV STORAGE

A PORTION OF SECTION 34, TOWNSHIP 14 SOUTH, RANGE 21 EAST
MARION COUNTY, FLORIDA
PREPARED NOVEMBER 2011

THIS DEVELOPMENT CONTAINS:
PROPERTY BOUNDARY – 9.53 ACRES
A.M. PEAK HOUR OF ADJACENT STREET – 8 TRIPS
PARCEL #13689-000-00
(ITE TRIP GENERATION MANUAL CODE 151)

LEGAL DESCRIPTION:

BASIS OF BEARINGS:

BENCHMARK:

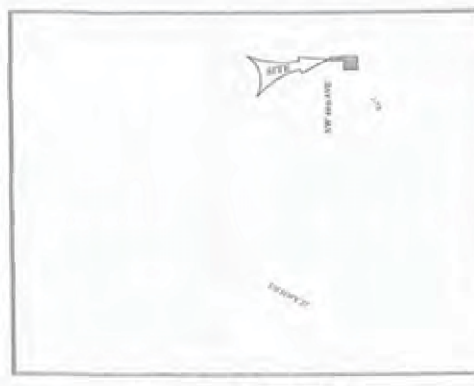
NOTES:

INDEX OF SHEETS

OWNER/DEVELOPER:
NW 44TH AVENUE PARTNERS, LLC
CONTACT: HARVEY VANDEVEN
4260 NE 35TH STREET
OCALA, FLORIDA 34479
PHONE (352) 236-3355
FAX (352)236-0038

SURVEYOR:
PREECE LAND SURVEYING, INC.
GLEN H. PREECE, JR. P.S.M. #5427
2201 SE 30th AVENUE, SUITE 102
OCALA, FLORIDA 34471
PHONE (352) 351-0091
FAX (352) 351-0093

PREPARED BY:
TILLMAN & ASSOCIATES ENGINEERING, LLC
1720 SE 16TH AVENUE, BLDG. 100
OCALA, FLORIDA 34471
PHONE (352) 387-1947
FAX (352) 387-2120



VICINITY MAP
SCALE 1"=2000'

Glen H. Preece, Jr.
PREECE LAND SURVEYING, INC.
Registered Land Surveyor No. 5427

Harvey Vandeven
NW 44TH AVENUE PARTNERS, LLC

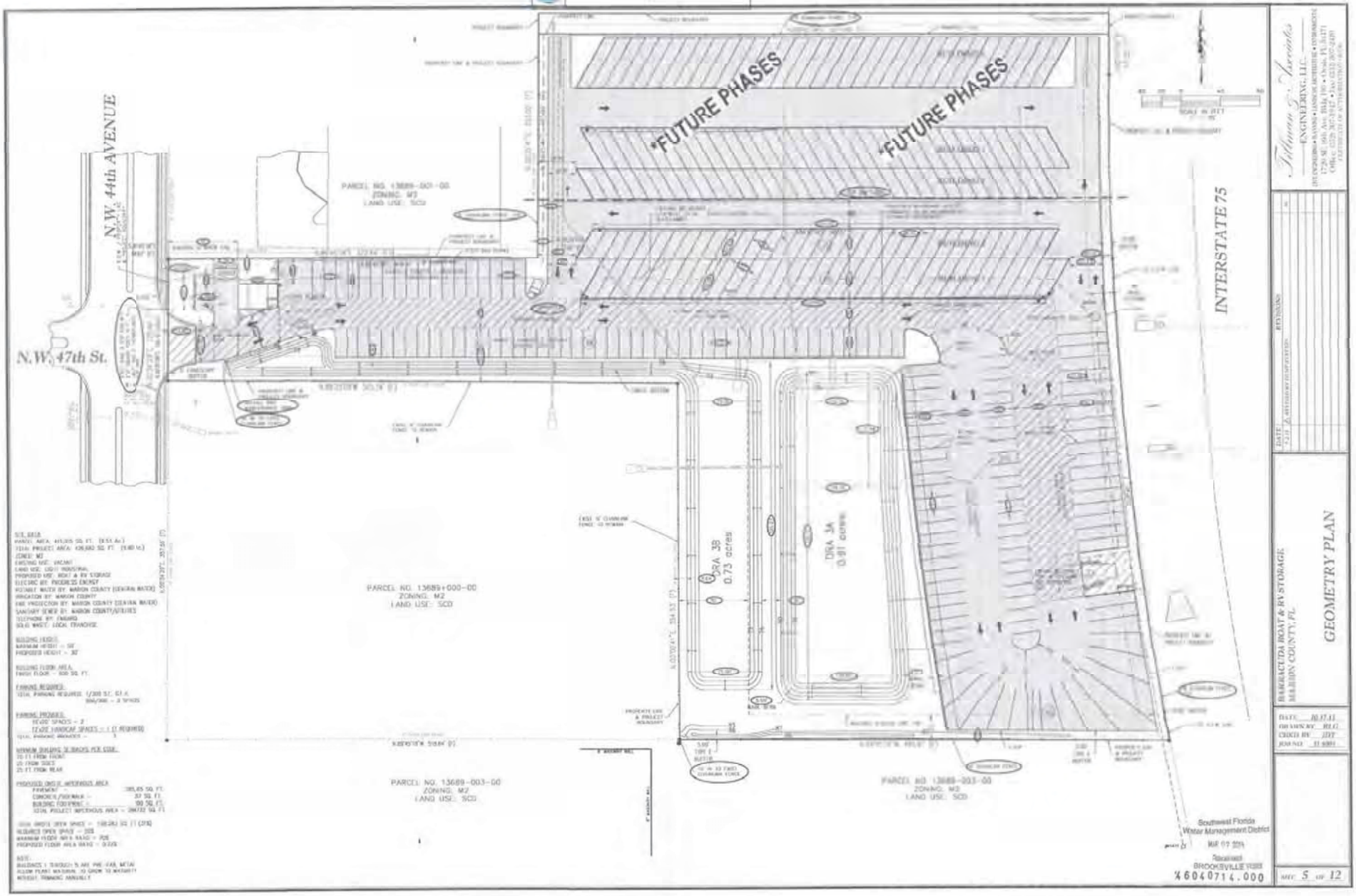
J. DAVID TILLMAN, P.E.

Tillman & Associates
ENGINEERING, LLC

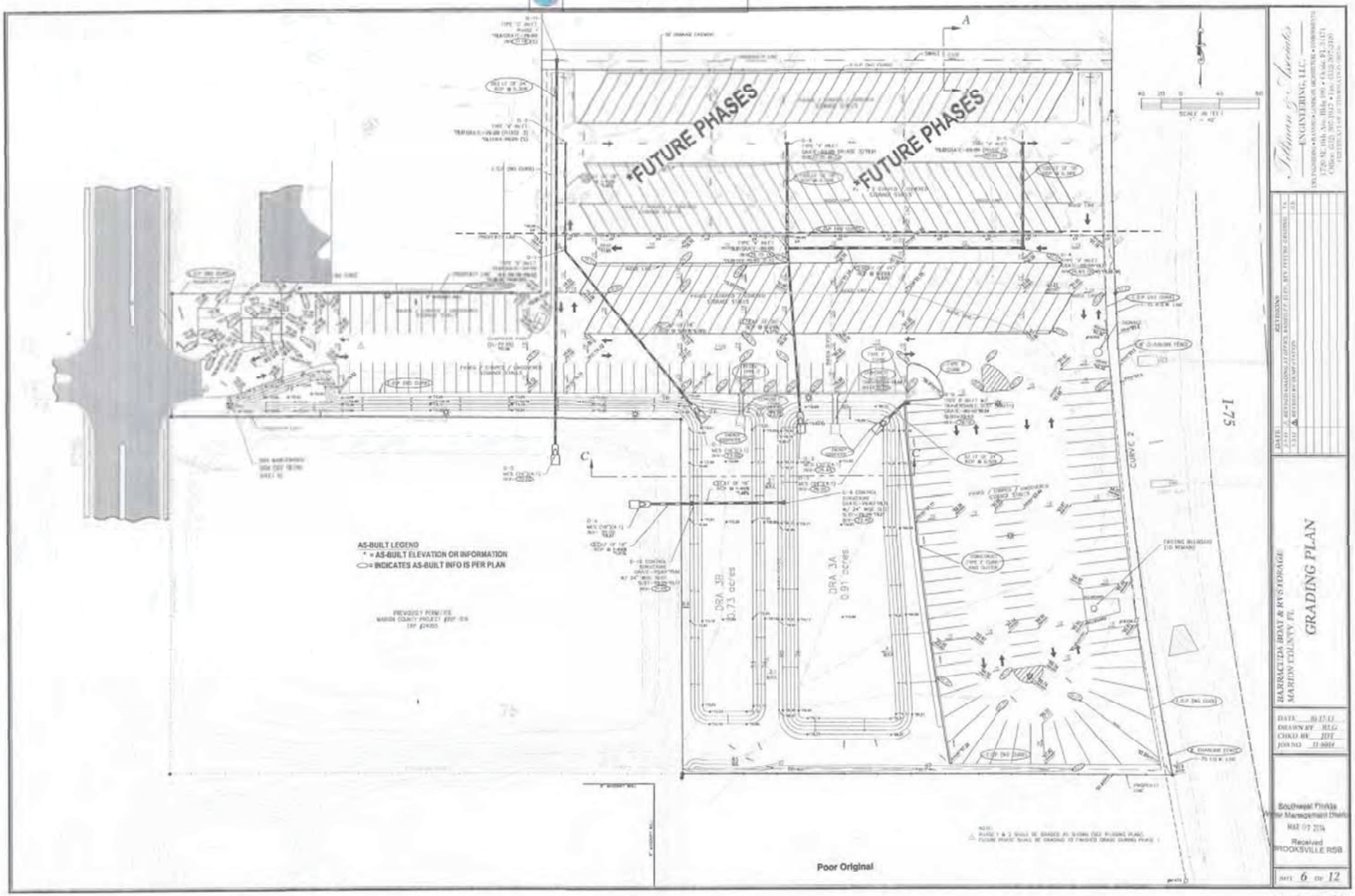
FOR

E-1

Transferred to Operation



Transferred to Operation



Tillman & Associates ENGINEERING, LLC

BARRACUDA BOAT & RV STORAGE
MARION COUNTY, FL

GRADING PLAN

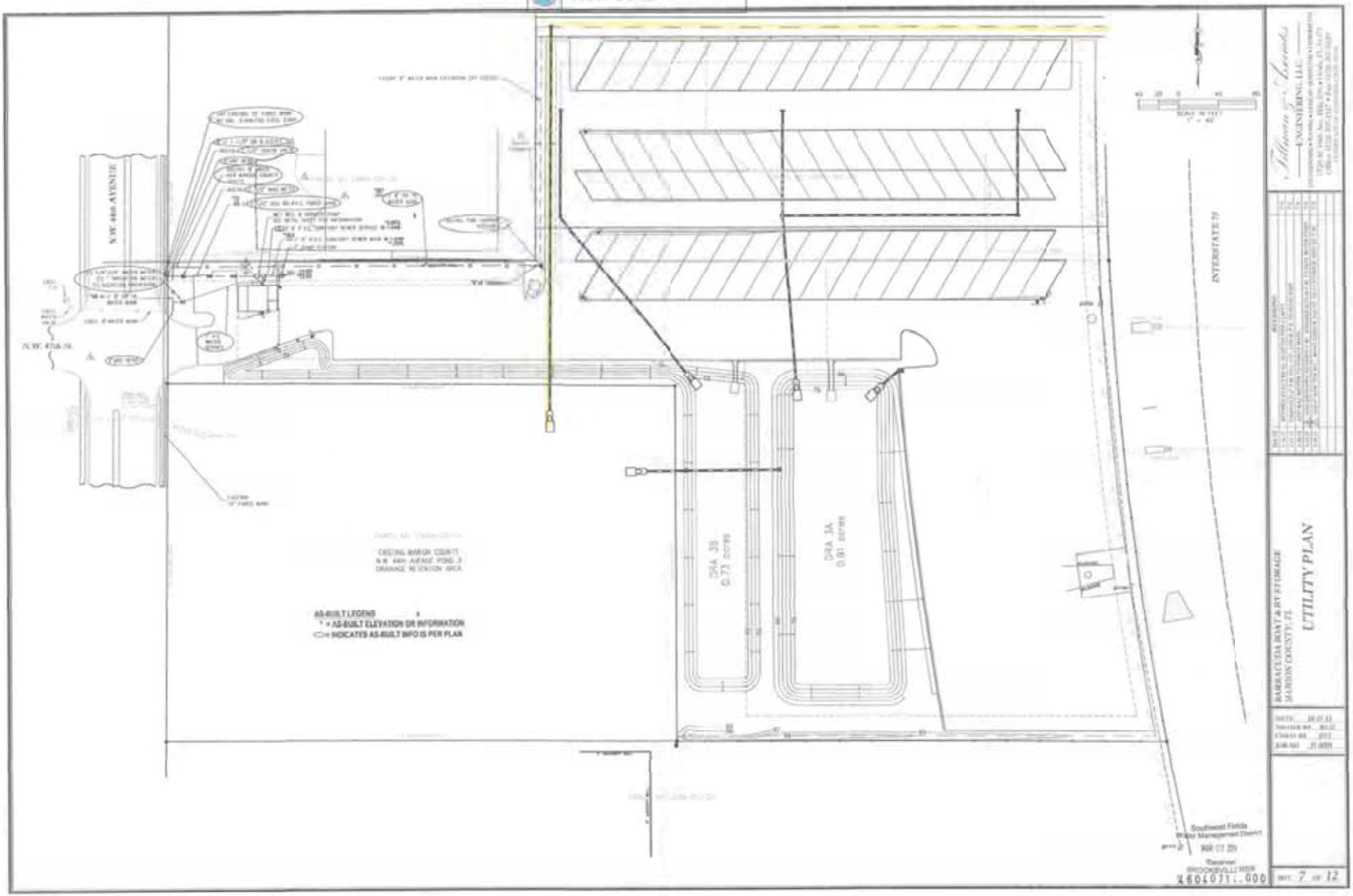
DATE 04/17/13
DRAWN BY BLG
CHKD BY JDT
JOB NO 13-0004

Southwest Florida Water Management District
MAR 07 2014
Received
BROOKSVILLE R/SB

SHT 6 OF 12

46040714.000
E-3

Transferred to Operation

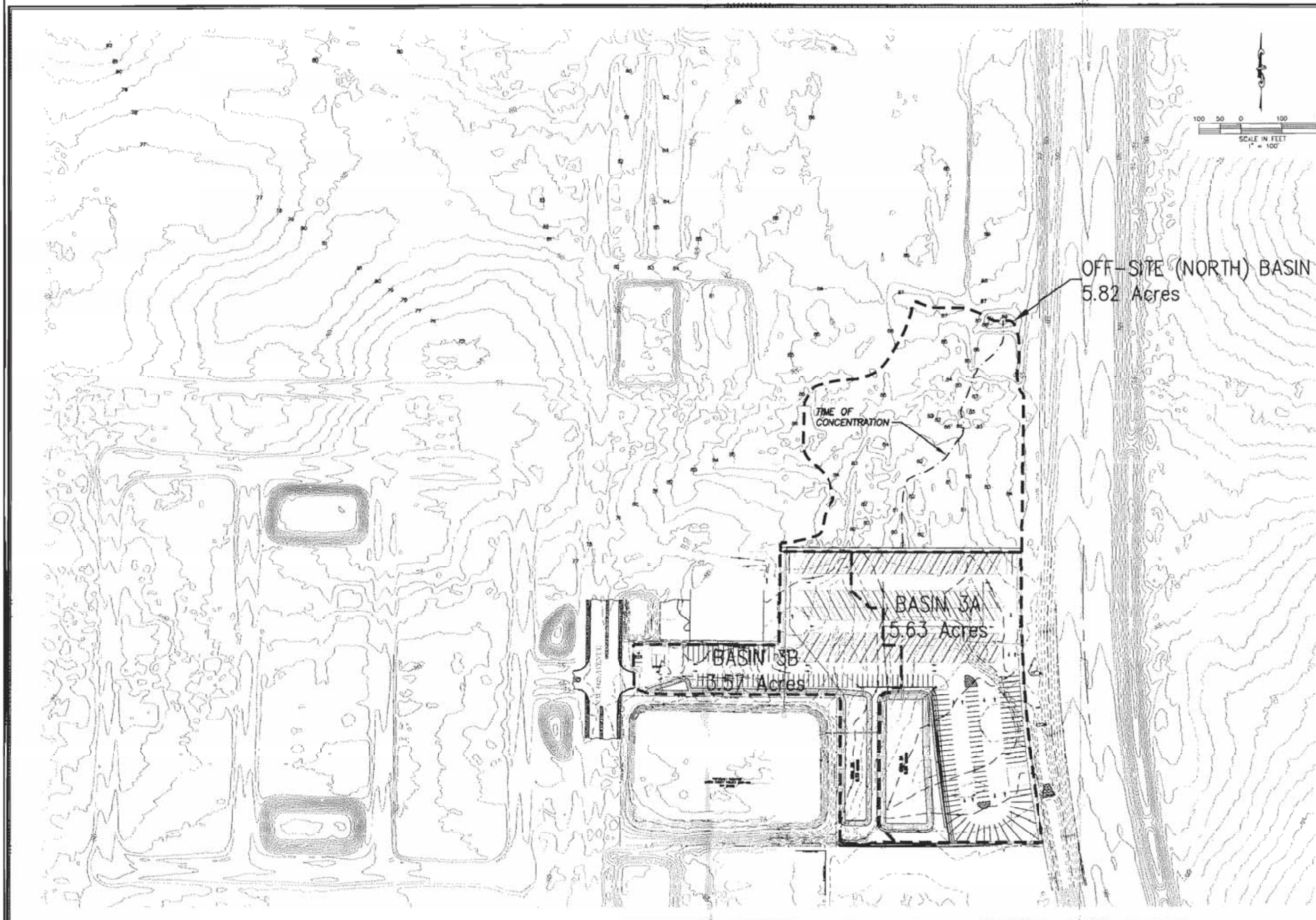


Tillman & Associates ENGINEERING LLC

BARRACUDA BOAT & RV STORAGE
MARION COUNTY, FL

UTILITY PLAN

SHT. 7 OF 12



Tillman & Associates
ENGINEERING, LLC.
CIVIL ENGINEERING • PLANNING • LANDSCAPE ARCHITECTURE • ENVIRONMENTAL
1720 SE 16th Ave. Bldg 100 • Ocala, FL 34471
Office: (352) 307-1947 • Fax: (352) 307-2120
CERTIFICATE OF AUTHORIZATION - 2676

DATE	REVISIONS

BARRACUDA BOAT & RV STORAGE
MARION COUNTY, FL

POST DEVELOPMENT BASIN MAP

DATE 01-27-12
DRAWN BY HWB
CHKD. BY IDT
JOB NO. 11-6004

SHT. 1 OF 1

E-5

B-3A
POST - DEVELOPED
DRY RETENTION POND
AREA & STAGE-STORAGE VOLUME

POND 3 EXPANSION

Stage-Storage Volume @ T.O.B. *80.00* = *3.04* ac-ft

Stage (ft)	Area (ac)		Stor. Vol. (ac-ft)	
76.00	0.61	26674	0.00	BTM
77.00	0.68	29793	0.65	
78.00	0.76	33012	1.37	
79.00	0.83	36331	2.17	
80.00	0.91	39751	3.04	TOP

PONDS Version 3.3.0241
Retention Pond Recovery - Refined Method
Copyright 2011
Devo Seereeram, Ph.D., P.E.

Project Data

Project Name:	Barracuda Boat and RV Storage
Simulation Description:	Post Development B-3A
Project Number:	11-6004
Engineer :	Tim Brooker
Supervising Engineer:	J. David Tillman
Date:	01-12-2012

Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum):	67.83
Water Table Elevation, [WT] (ft datum):	69.33
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day):	12.70
Fillable Porosity, [n] (%):	30.00
Unsaturated Vertical Infiltration Rate, [Iv] (ft/day):	5.6
Maximum Area For Unsaturated Infiltration, [Av] (ft^2):	29470.0

Geometry Data

Equivalent Pond Length, [L] (ft):	335.0
Equivalent Pond Width, [W] (ft):	99.0

Ground water mound is expected to intersect the pond bottom

Stage vs Area Data

Stage (ft datum)	Area (ft^2)
76.00	26674.0
77.00	29793.0
78.00	33012.0
79.00	36331.0
80.00	39751.0

APPENDIX F

Excerpts from NW35th/ NW49th St Phase 2A Plans

IMPROVEMENT PLANS
FOR
MARION COUNTY, FLORIDA

100% PLAN SUBMITTAL

OCALA 489, LLC
NW 35TH/49TH ST. PHASE 2A

THIS DEVELOPMENT CONTAINS A TOTAL OF
2,518 L.F. (0.48 MILES) OF ROAD
POSTED SPEED 45 M.P.H.
DESIGN SPEED 45 M.P.H.

PLANS PREPARED: 9/8/2015

VICINITY MAP

SECTION 35; TOWNSHIP 14 SOUTH; RANGE 21 EAST
CITY OF OCALA, FLORIDA

Sheet List Table

Bearing Reference:

BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, 1983 NORTH AMERICAN DATUM, 1990 ADJUSTMENT.

BENCH MARK:

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 AND CHECKED TO CITY OF OCALA CONTROL POINT 0010 HAVING AN ELEVATION OF 79.13 FEET.

ENGINEER CERTIFICATE:

I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE MARION COUNTY LAND DEVELOPMENT CODE (LDC), EXCEPT AS WAIVED.

WOODROW L. CLYMER, P.E.
PROFESSIONAL ENGINEER NO. 69780
STATE OF FLORIDA

SEAL

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2015 Design Standards and revised Index Drawings as referenced herein, and 2015 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:

http://www.dot.state.fl.us/rddesign/DesignStds/

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:

http://www.dot.state.fl.us/specificationsoffice/

MARION COUNTY COMMISSIONERS

COUNTY STAFF

WATER & WASTEWATER:
CITY OF OCALA UTILITY SERVICES
1805 NE 30th AVENUE
OCALA, FL 34471
ED EARNEST, P.E.
(352) 351-6775

ELECTRIC:
CITY OF OCALA UTILITY SERVICES
1805 NE 30th AVENUE
OCALA, FL 34471
ERIC WEAVER
(352) 351-6620

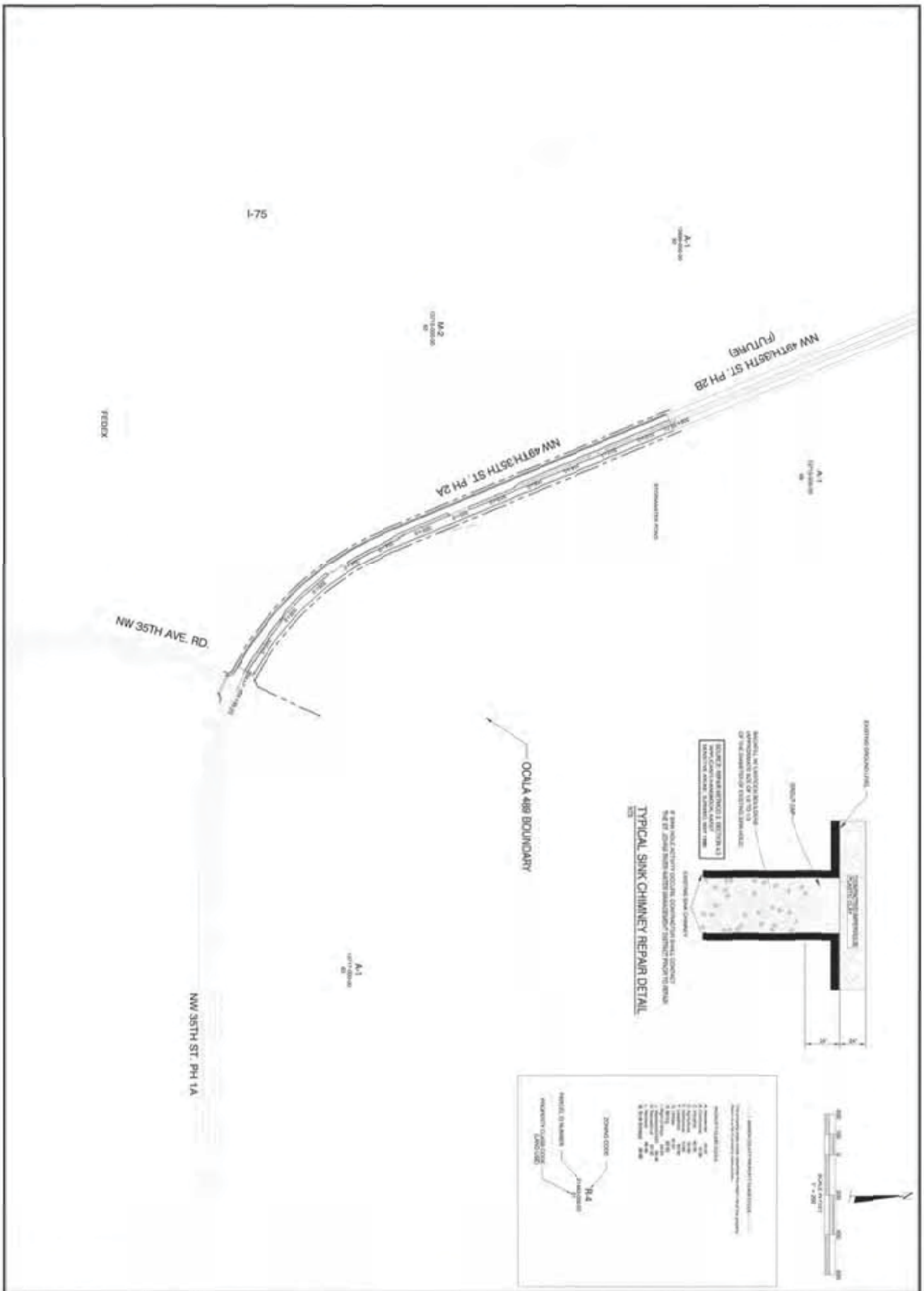
ELECTRIC:
DUKE ENERGY
P.O. BOX 14042
ST. PETERSBURG, FL 33733
(800) 700-8744

OWNER:
MARION COUNTY BOARD OF COUNTY COMMISSIONERS
601 SE 25th AVE
OCALA, FL 34471

ENGINEER/SURVEYOR:
FARNER, BARLEY AND ASSOCIATES, INC.
4450 N.E. 83rd ROAD
WILDWOOD, FLORIDA 34785
LEE CLYMER, P.E.
FL. LIC. NO. 69780

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

Certificate of Authorization Number: 6709



OCALA 489, LLC
NW 35TH/49TH ST. PHASE 2A

MASTER PLAN

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

Sheet 05 of 15

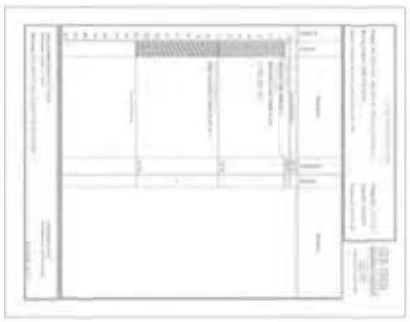
OCALA 489, LLC
NW 35TH/49TH ST. PHASE 2A
PRE-DEVELOPMENT
DRAINAGE BASIN MAP

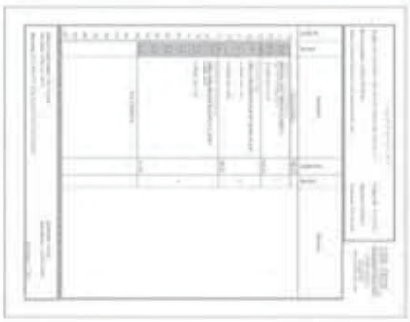
FARNER BARLEY
AND ASSOCIATES, INC.
CIVIL ENGINEERS
SURVEYORS
PLANNERS

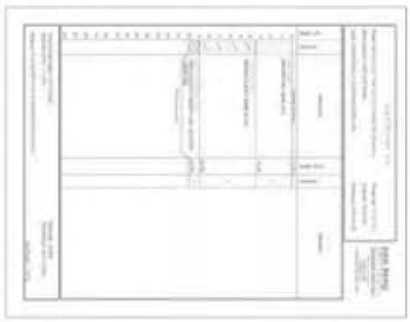
LEGEND
BASELINE
POI OFF

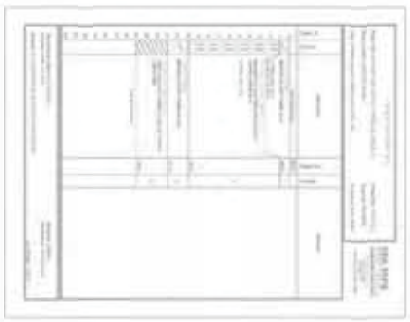
B-9
B-7
B-7A
B-7B
B-7D
B-7C
B-6
B-8

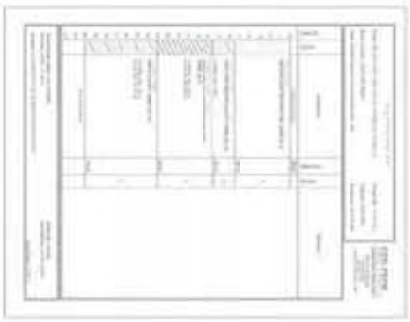
NW 35TH AVENUE RD.
NW 35TH ST. PHASE 1A
NW 49TH ST. PHASE 1A

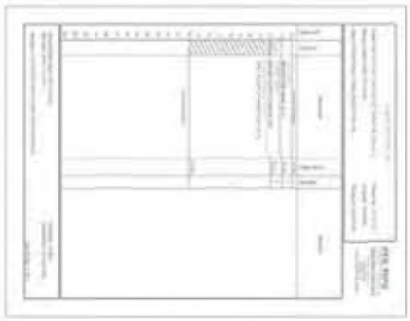


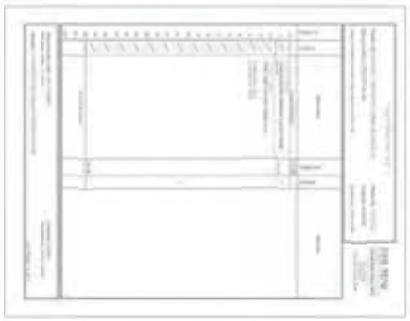


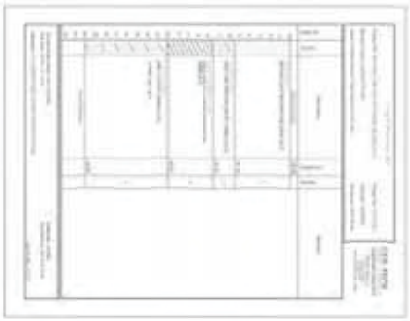












SHT. 15 OF 15

OCALA 489, LLC

NW 35TH/49TH ST. PHASE 2A

BORING PROFILES

FARNER BARLEY AND ASSOCIATES, INC.

▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

Certificate of Authorization Number: 6728

DATE	REVISIONS	BY

APPENDIX G

Excerpts from
NW 44th Ave
Plans and Permit

MARION COUNTY
BOARD OF COUNTY COMMISSIONERS
TRANSPORTATION DEPARTMENT

N.W. 44th AVENUE
RECORD DRAWINGS
(U.S. 27 to NORTH OF N.W. 60TH STREET)

PROJECT LOCATION MAP
(NOT TO SCALE)

SECTION: 3, TOWNSHIP: 15 SOUTH, RANGE: 21 EAST
SECTION: 22, 27, 34, TOWNSHIP: 14 SOUTH, RANGE: 21 EAST
MARION COUNTY, FLORIDA

COUNTY COMMISSIONERS

DISTRICT 1 - ANDY KESSELRING
DISTRICT 2 - JIM PAYTON
DISTRICT 3 - STAN MCCLAIN
DISTRICT 4 - BARBARA FITOS
DISTRICT 5 - CHARLIE STONE

COUNTY ADMINISTRATOR - PATRICK G. HOWARD

CONSTRUCTION REFERENCE

F.D.O.T. ROADWAY DESIGN STANDARDS, 2006

F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, 2007

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003

MARION COUNTY LAND DEVELOPMENT CODE, LATEST REVISION

REVISIONS
SHEETS 1, 8-9, 14, 27-29, 34, 36 - 37, 62-65, 71, 76-77, 95 -96, 101-102, 112-113, 122-123, 128, 130-131, 143-145, 150, & 153 (REVISED 7/21/08)
SHEETS 1-2, 4-5, 10, 42-43, 60-87, 103, 105, & 142-160 (REVISED 9/08/08)

DRAWING INDEX	
SHEET NUMBER	DRAWING DESCRIPTION
1	KEY SHEET
2	GENERAL UTILITY, DRAINAGE & CONST.NOTES
3	LEGEND
4 - 5	TYPICAL SECTION
6 - 11	DRAINAGE MAPS
12 - 15	STORMWATER POND PLANS
16 - 17	BASELINE CONTROL
18 - 44	PLAN & PROFILE
45 - 45A	SIDE STREET LAYOUTS
46 - 90	ROADWAY & DRAINAGE STRUCTURES SECTIONS
91 - 98	POND CROSS SECTIONS
98A - 104	CONSTRUCTION SURFACE WATER MANAGMENT PLAN
105 - 133	TRAFFIC CONTROL
134 - 160	UTILITY ADJUSTMENTS
S1 - S30	SIGNING & PAVEMENT MARKING PLANS
T1 - T5	SIGNALIZATION PLANS

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14,498.19	2.749
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	14,498.19	2.749
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14,498.19	2.749

SJRWMD
Received
OCT 14 2010

UTILITY COMPANIES		
UTILITY COMPANY	CONTACT PERSON	PHONE NUMBER
EMBARQ	FRED WALKER	(352) 368-8781
CITY OF OCALA ELECTRIC	DAVID ANDERSON	(352) 351-6629
CITY OF OCALA WATER/SEWER	MIKE GROVES	(352) 629-8521
COX COMMUNICATIONS	WILLIAM COONCE	(352) 873-5629
TECO PEOPLES GAS	BEN MOBLEY	(904) 443-7317
PROGRESS ENERGY	MICHAEL WELLER	(352) 694-8531
MARION COUNTY UTILITIES	FLIP MELLINGER	(352) 671-8549

APPROVED AS-BUILTS
☒ INSPECTION CONDUCTED BY DISTRICT 11-2-11
☐ INSPECTION NOT CONDUCTED BY DISTRICT
RIGHT RESERVED FOR FUTURE INSPECTION

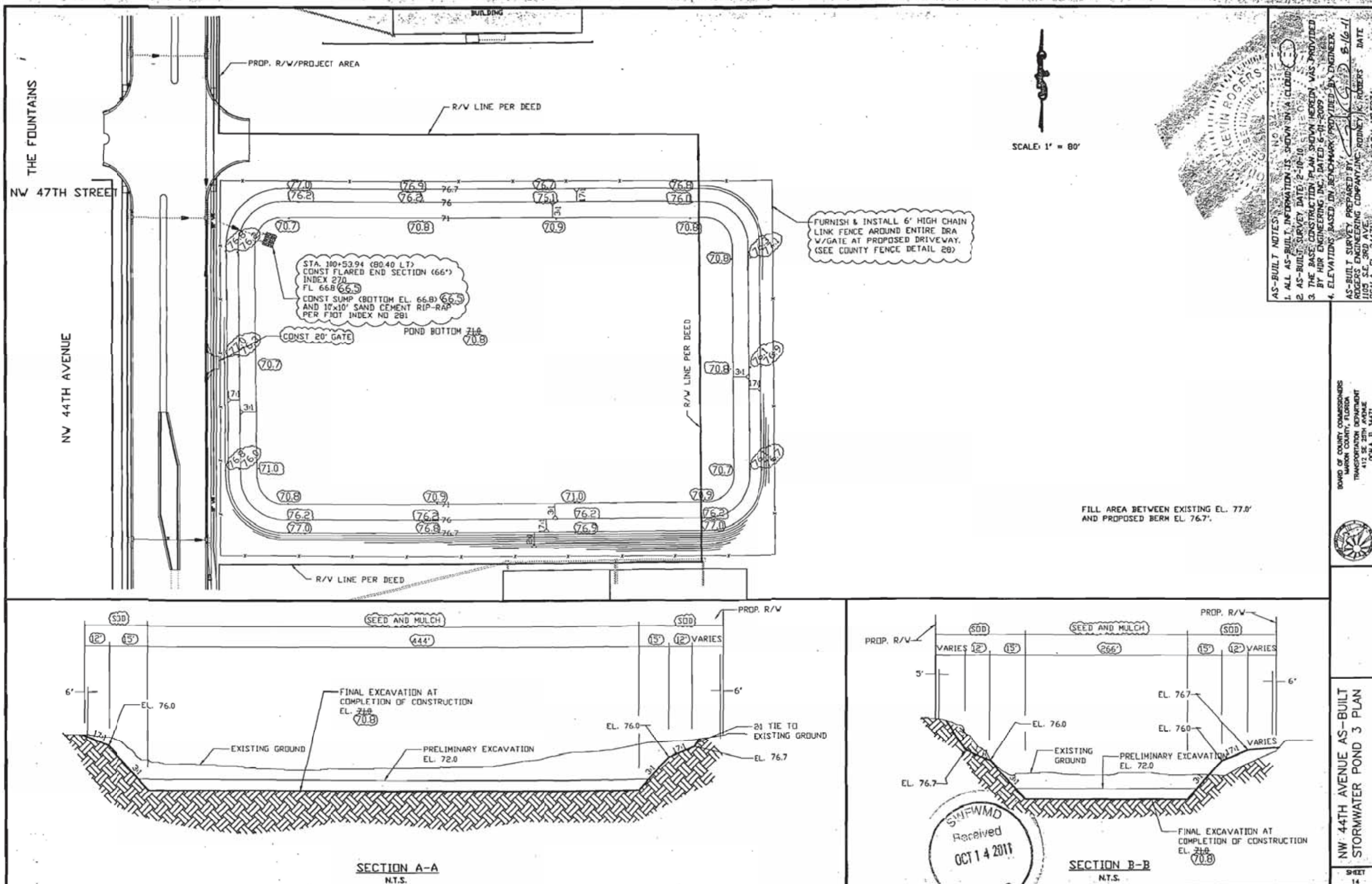
AS-BUILT NOTES:
1. ALL AS-BUILT INFORMATION IS SHOWN IN A CLOUD
2. AS-BUILT SURVEY DATE: 2-10-10
3. THE BASE CONSTRUCTION PLAN SHOWN HEREON WAS PROVIDED BY HDR ENGINEERING INC, DATED 6-01-2009
4. ELEVATIONS BASED ON BENCHMARK PROVIDED BY ENGINEER.

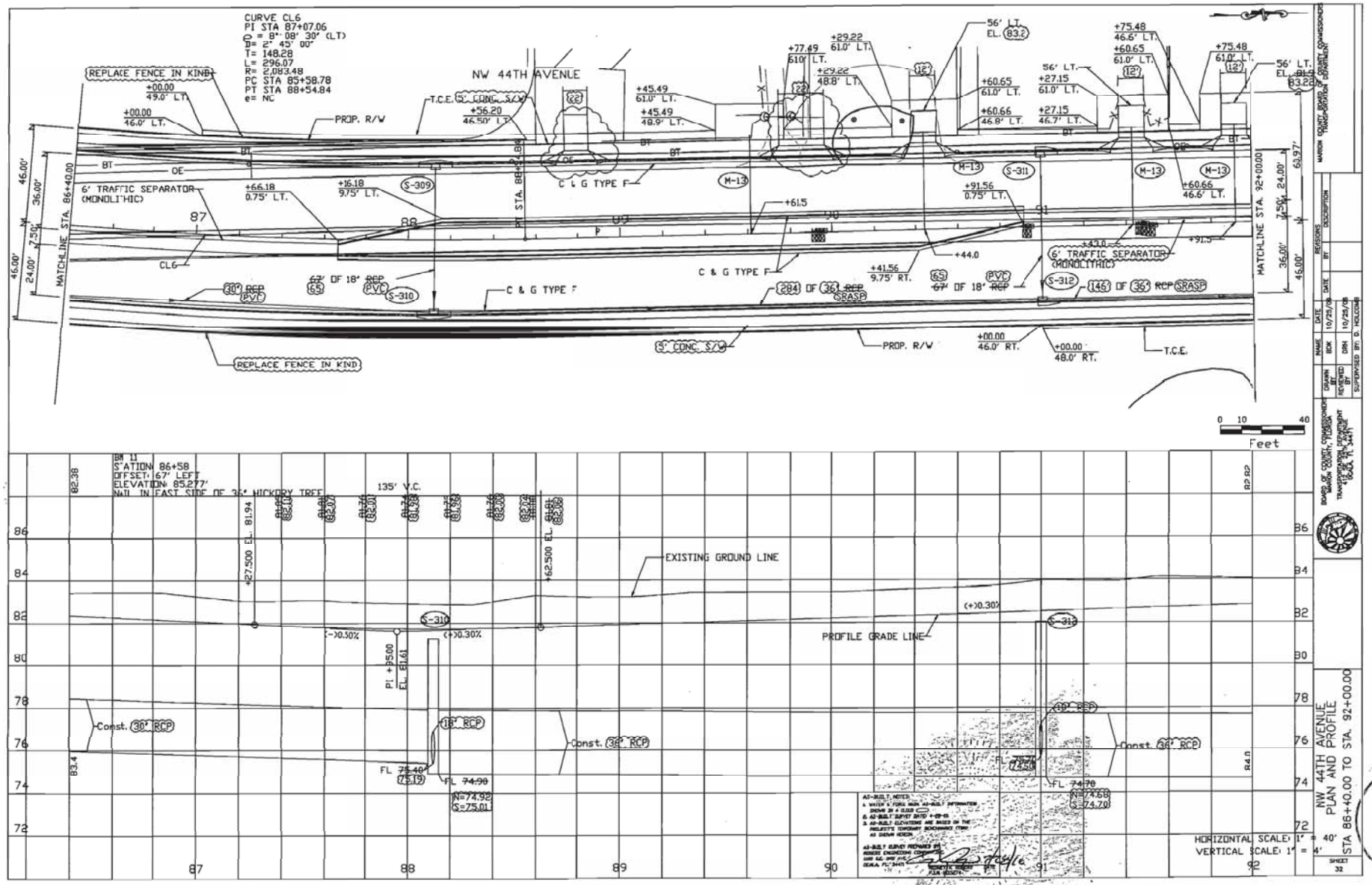
AS-BUILT SURVEY PREPARED BY
ROGERS ENGINEERING COMPANY, INC.
1105 S.E. 3RD AVE.
OCALA, FL. 34471

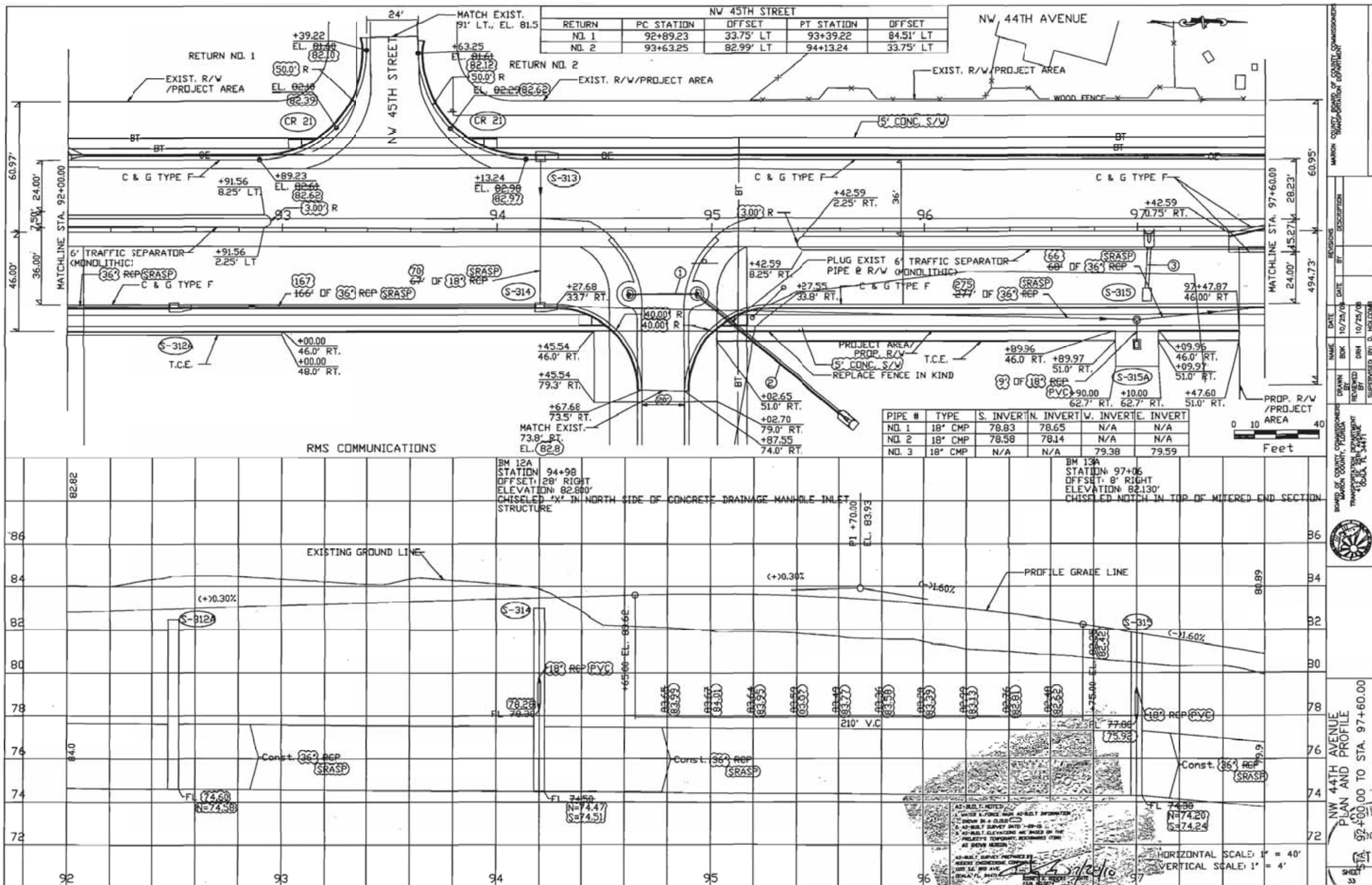
RODNEY K. ROGERS 7/28/10
P.S.M. NO.5274 STATE OF FLORIDA SURVEYOR

NW 44th AVENUE RECORD DRAWINGS
SHEET 1

FILE OF RECORD 44010201.008


THE FOUNTAINS
NW 47TH STREET
NW 44TH AVENUE
BUILDING
PROP. R/W/PROJECT AREA
R/W LINE PER DEED
SCALE: 1" = 80'
FURNISH & INSTALL 6' HIGH CHAIN LINK FENCE AROUND ENTIRE DRA W/GATE AT PROPOSED DRIVEWAY. (SEE COUNTY FENCE DETAIL 28)
STA. 100+53.94 (80.40 LT) CONST FLARED END SECTION (66") INDEX 270 FL 66.8 66.5
CONST SUMP (BOTTOM EL. 66.8) 66.5 AND 10'x10' SAND CEMENT RIP-RAP PER FDOT INDEX NO 281
CONST 20' GATE
POND BOTTOM 71.0 70.8
FILL AREA BETWEEN EXISTING EL. 77.0' AND PROPOSED BERM EL. 76.7'.
SOD
SEED AND MULCH
12'
15'
444'
VARIES
PROP. R/W
6'
EL. 76.0
FINAL EXCAVATION AT COMPLETION OF CONSTRUCTION EL. 71.0 70.8
EXISTING GROUND
PRELIMINARY EXCAVATION EL. 72.0
2:1 TIE TO EXISTING GROUND
EL. 76.7
SECTION A-A
N.T.S.
266'
5'
EL. 76.7
EL. 76.0
SECTION B-B
N.T.S.
SWFWMD Received OCT 1 4 2011 BRO-REG
AS-BUILT NOTES:
1. ALL AS-BUILT INFORMATION IS SHOWN IN A CLOUD.
2. AS-BUILT SURVEY DATED 2-10-10.
3. THE BASE CONSTRUCTION PLAN SHOWN HEREON WAS PROVIDED BY HDR ENGINEERING INC. DATED 6-01-2009.
4. ELEVATIONS BASED ON BENCHMARK PROVIDED BY ENGINEER.
AS-BUILT SURVEY PREPARED BY:
ROGERS ENGINEERING COMPANY, INC. RODNEY K. ROGERS
1105 S.E. 3RD AVE.
OCALA, FL 34471
P.S.M. NO.5274
8-16-11
DATE
BOARD OF COUNTY COMMISSIONERS
MARION COUNTY, FLORIDA
TRANSPORTATION DEPARTMENT
412 SE 25TH AVENUE
OCALA, FL 34471
NW 44TH AVENUE AS-BUILT
STORMWATER POND 3 PLAN
SHEET 14

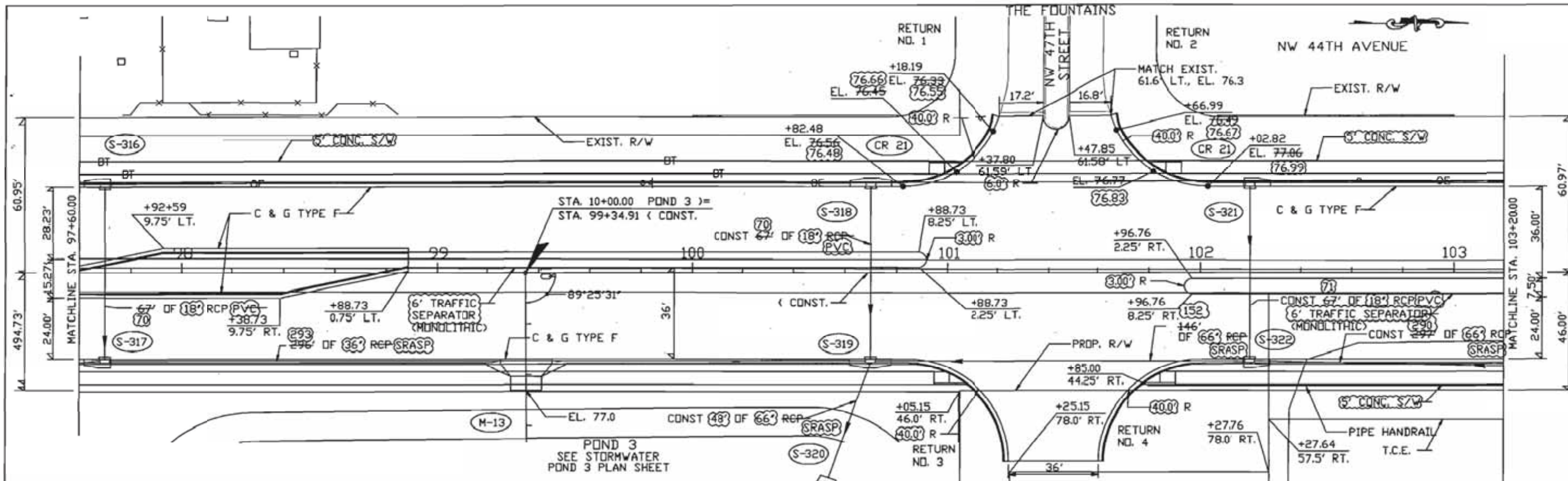

CURVE CL6
PI STA 87+07.06
Δ = 8° 08' 30" (LT)
D= 2° 45' 00"
T= 148.28
L= 296.07
R= 2,083.48
PC STA 85+58.78
PT STA 88+54.84
e= NC
NW 44TH AVENUE
REPLACE FENCE IN KIND
PROP. R/W
6' TRAFFIC SEPARATOR (MONOLITHIC)
C & G TYPE F
5' CONC. S/W
T.C.E.
MATCHLINE STA. 86+40.00
MATCHLINE STA. 92+00.00
CL6
EXISTING GROUND LINE
PROFILE GRADE LINE
Const. 30" RCP
Const. 18" RCP
Const. 36" RCP
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'
NW 44TH AVENUE
PLAN AND PROFILE
STA 86+40.00 TO STA. 92+00.00
SHEET 32
SWFWMD
Received
OCT 1 4 2019
BRO-REG



NW 44TH AVENUE
PLAN AND PROFILE
NW 44TH AVENUE STA. 92+00.00 TO STA. 97+60.00
NW 45TH STREET
RETURN NO. 1
RETURN NO. 2
MATCH EXIST. 91' LT., EL. 81.5
EXIST. R/W /PROJECT AREA
EXIST. R/W/PROJECT AREA
WOOD FENCE
5' CONC. S/W
C & G TYPE F
6' TRAFFIC SEPARATOR (MONOLITHIC)
PLUG EXIST PIPE @ R/W
PROJECT AREA/ PROP. R/W
REPLACE FENCE IN KIND
T.C.E.
MATCHLINE STA. 92+00.00
MATCHLINE STA. 97+60.00
PROP. R/W /PROJECT AREA
RMS COMMUNICATIONS
MATCH EXIST. 73.8' RT. EL. 82.8
BM 12A STATION 94+98 OFFSET: 28' RIGHT ELEVATION: 82.880' CHISELED 'X' IN NORTH SIDE OF CONCRETE DRAINAGE MANHOLE INLET STRUCTURE
BM 13A STATION: 97+06 OFFSET: 8' RIGHT ELEVATION: 82.130' CHISELED NOTCH IN TOP OF MITERED END SECTION
EXISTING GROUND LINE
PROFILE GRADE LINE
PI +70.00 EL. 83.93
210' V.C
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'
Feet
BOARD OF COUNTY COMMISSIONERS MARION COUNTY, FLORIDA
TRANSPORTATION DEPARTMENT
SUPERVISED BY: D. HOLCOMB
SHEET 33
Received OCT 1 4 2011 SWFWMD BRO-REG

NW 45TH STREET				
RETURN	PC STATION	OFFSET	PT STATION	OFFSET
NO. 1	92+89.23	33.75' LT	93+39.22	84.51' LT
NO. 2	93+63.25	82.99' LT	94+13.24	33.75' LT

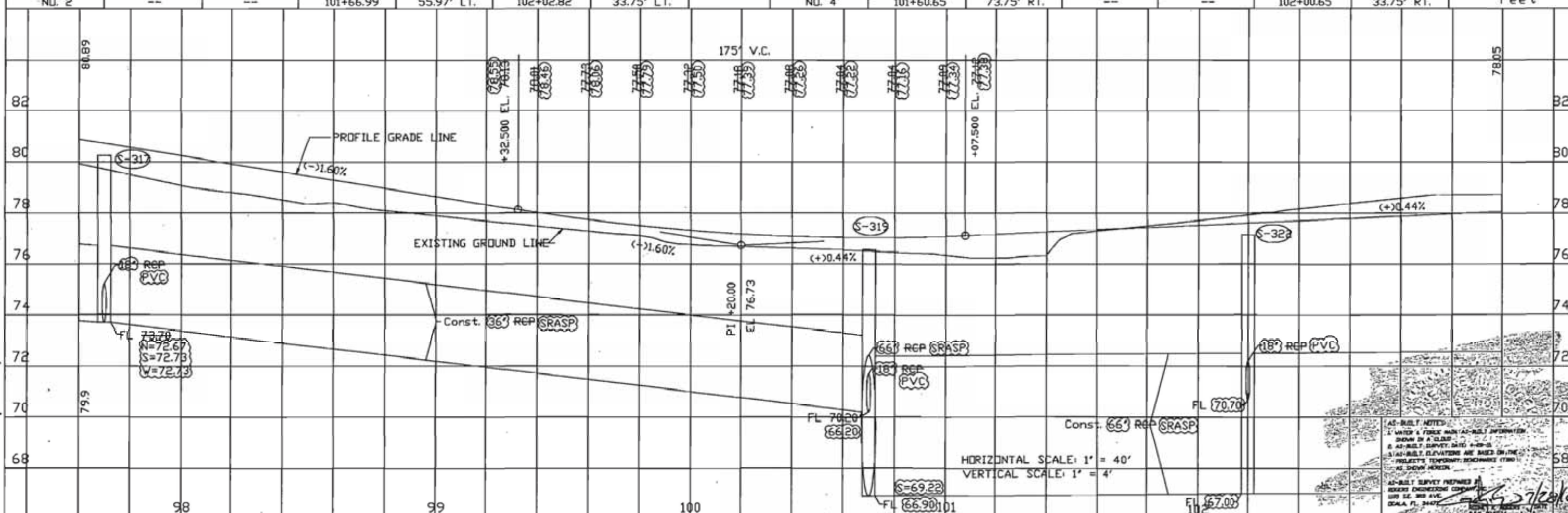
PIPE #	TYPE	S. INVERT	N. INVERT	W. INVERT	E. INVERT
NO. 1	18" CMP	78.83	78.65	N/A	N/A
NO. 2	18" CMP	78.58	78.14	N/A	N/A
NO. 3	18" CMP	N/A	N/A	79.38	79.59



NW 47TH STREET						
RETURN	PC STATION	OFFSET	POC STATION	OFFSET	PT STATION	OFFSET
NO. 1	100+82.48	33.75' LT.	101+18.19	55.72' LT.	--	--
NO. 2	--	--	101+66.99	55.97' LT.	102+02.82	33.75' LT.

RETURN	PC STATION	OFFSET	POC STATION	OFFSET	PT STATION	OFFSET
NO. 3	100+84.59	33.75' RT.	--	--	101+24.65	73.75' RT.
NO. 4	101+60.65	73.75' RT.	--	--	102+00.65	33.75' RT.

0 10 40 Feet

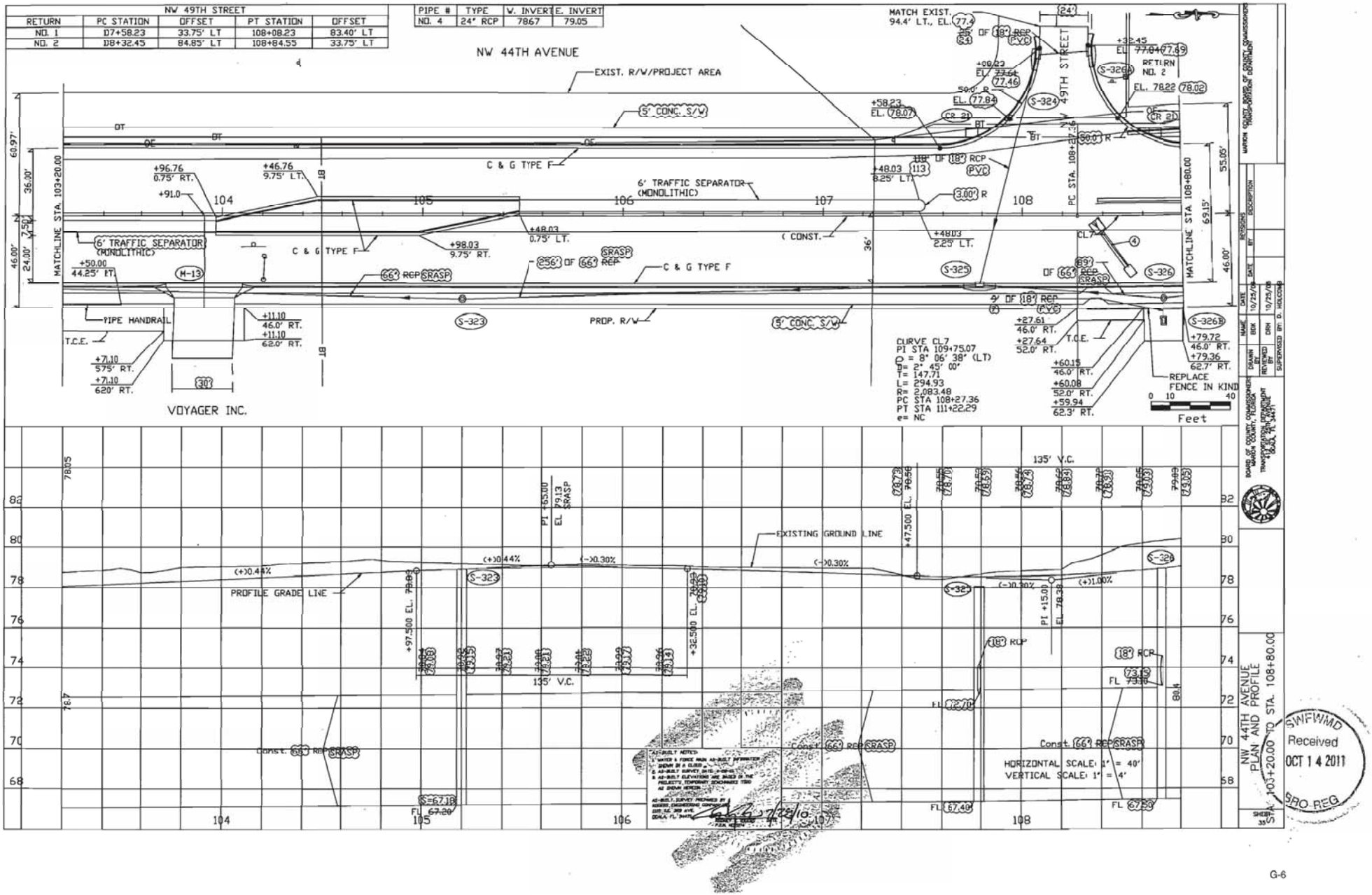


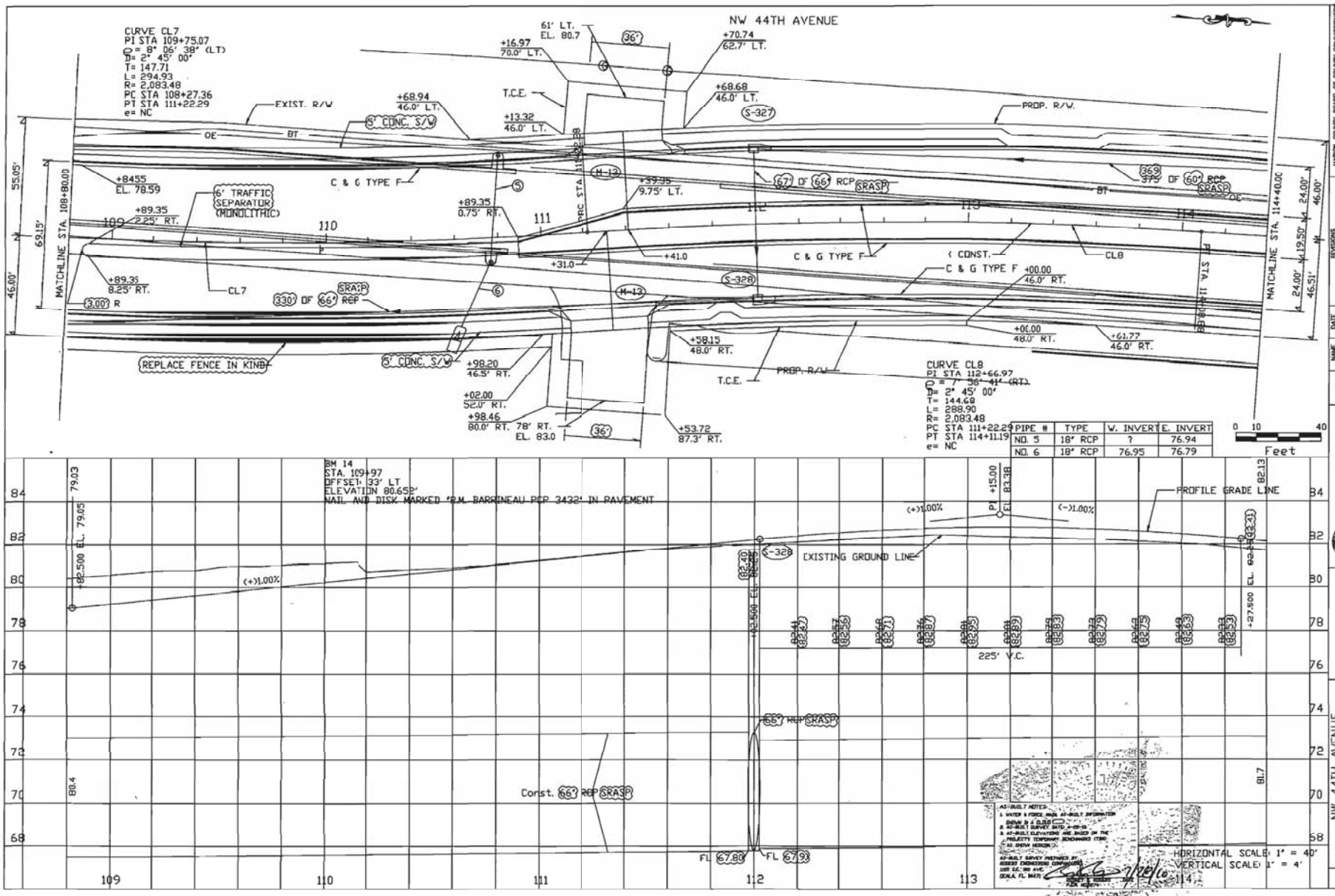
BOARD OF COUNTY COMMISSIONERS MARION COUNTY, FLORIDA
TRANSPORTATION DEPARTMENT

NW 44TH AVENUE
PLAN AND PROFILE
STA. 97+60.00 TO STA. 103+20.00

SUPERVISED BY: D. HOLCOMB

G-5


NW 49TH STREET
RETURN | PC STATION | OFFSET | PT STATION | OFFSET
NO. 1 | 107+58.23 | 33.75' LT | 108+08.23 | 83.40' LT
NO. 2 | 108+32.45 | 84.85' LT | 108+84.55 | 33.75' LT
PIPE # | TYPE | W. INVERT | E. INVERT
NO. 4 | 24" RCP | 78.67 | 79.05
NW 44TH AVENUE
EXIST. R/W/PROJECT AREA
5' CONC. S/W
C & G TYPE F
6' TRAFFIC SEPARATOR (MONOLITHIC)
MATCHLINE STA. 103+20.00
MATCHLINE STA 108+80.00
PC STA. 108+27.36
PIPE HANDRAIL
VOYAGER INC.
PROP. R/W
(CONST.
MATCH EXIST. 94.4' LT., EL. 77.4
NW 49TH STREET
RETURN NO. 2
REPLACE FENCE IN KIND
CURVE CL7
PI STA 109+75.07
Δ = 8° 06' 38" (LT)
D= 2° 45' 00"
T= 147.71
L= 294.93
R= 2,083.48
PC STA 108+27.36
PT STA 111+22.29
e= NC
0 10 40
Feet
EXISTING GROUND LINE
PROFILE GRADE LINE
(+)0.44%
(-)0.30%
(+)1.00%
135' V.C.
PI 65.00 EL 79.13 SRASP
PI +15.00 EL. 78.38
+97.500 EL. 79.93
+36.500 EL. 78.43
+47.500 EL. 78.56
Const. 66' RCP SRASP
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'
NW 44TH AVENUE
PLAN AND PROFILE
STA. 103+20.00 TO STA. 108+80.00
BOARD OF COUNTY COMMISSIONERS
MARION COUNTY, FLORIDA
TRANSPORTATION DEPARTMENT
SHEET 35
SWFWMD
Received
OCT 14 2011
ERP REG


NW 44TH AVENUE
CURVE CL7
PI STA 109+75.07
Δ = 8° 06' 38" (LT)
D= 2° 45' 00"
T= 147.71
L= 294.93
R= 2,083.48
PC STA 108+27.36
PT STA 111+22.29
e= NC
EXIST. R/V
PROP. R/V.
T.C.E.
5' CONC. S/W
6' TRAFFIC SEPARATOR (MONOLITHIC)
C & G TYPE F
REPLACE FENCE IN KIND
MATCHLINE STA. 108+80.00
MATCHLINE STA. 114+40.00
CL7
CL8
S-327
S-328
H-13
CURVE CL8
PI STA 112+66.97
Δ = 7° 36' 41" (RT)
D= 2° 45' 00"
T= 144.69
L= 288.90
R= 2,083.48
PC STA 111+22.29
PT STA 114+11.19
e= NC
PIPE # | TYPE | W. INVERT | E. INVERT
NO. 5 | 18" RCP | ? | 76.94
NO. 6 | 18" RCP | 76.95 | 76.79
BM 14
STA. 109+97
OFFSET: 33' LT.
ELEVATION 80.65'
NAIL AND DISK MARKED "B.M. BARRINEAU PCP 3432" IN PAVEMENT
EXISTING GROUND LINE
PROFILE GRADE LINE
225' V.C.
Const. 66" RCP SRASP
FL 67.80
FL 67.93
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'
NW 44TH AVENUE
PLAN AND PROFILE
STA. 108+30.00 TO STA. 114+40.00
BOARD OF COUNTY COMMISSIONERS
MARION COUNTY, FLORIDA
TRANSPORTATION DEPARTMENT
SWFWMD
Received
OCT 14 2011
BRO-REG

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
GENERAL CONSTRUCTION
PERMIT NO. 44010201.008

Expiration Date: March 7, 2012

PERMIT ISSUE DATE: March 7, 2007

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapters 40D-4 and 40, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

PROJECT NAME: Marion County - NW 44th Avenue, From US 27 to North of NW 60th Street

GRANTED TO: Marion County Board of County Commissioners
601 SE 25th Avenue
Ocala, FL 34471

ABSTRACT: This permit is for the construction of a new surface water management system to serve a 50.40-acre project. The project involves the widening of NW 44th Avenue from US 27 to south of NW 63rd Street, in Marion County. Information regarding the surface water management system and wetlands is contained within the tables below.

OP. & MAINT. ENTITY: Marion County Board of County Commissioners

COUNTY: Marion

SEC/TWP/RGE: 3/15S/21E; 22,27,34/14S/21E

TOTAL ACRES OWNED OR UNDER CONTROL: 50.40

PROJECT SIZE: 50.40 Acres

LAND USE: Road Project

DATE APPLICATION FILED: August 9, 2006

AMENDED DATE: N/A

I. Water Quantity/Quality

POND NO.	AREA ACRES @ TOP OF BANK	TREATMENT TYPE
One	0.98	On-line Retention
Two	3.49	On-line Retention
Three	3.58	On-line Retention
Four	2.78	On-line Retention
TOTAL	10.83	

A mixing zone is not required.
A variance is not required.

II 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type*	Encroachment Result**(feet)
0.00	0.00	**NE** [X]	Depth [N/A]

***Codes** [X] for the type or method of compensation provided are as follows:
NE = No Encroachment
MI = Minimal Impact based on modeling of existing stages vs. post-project encroachment.
N/A = Not **A**pplicable

Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims **MI type of compensation.

III. Environmental Considerations

No wetlands or other surface waters exist within the project area.

A regulatory conservation easement is not required.

A proprietary conservation easement is not required.

SPECIFIC CONDITIONS

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit shall terminate, pursuant to Section 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.

2. Unless specified otherwise herein, two copies of all information and reports required by this permit shall be submitted to:

Brooksville Regulation Department
Southwest Florida Water Management District
2379 Broad Street
Brooksville, FL 34604-6899

The permit number, title of report or information and event (for recurring report or information submittal) shall be identified on all information and reports submitted.

3. The Permittee shall retain the design engineer, or other professional engineer registered in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the professional engineer so employed. This information shall be submitted prior to construction.

4. Within 30 days after completion of construction of the permitted activity, the Permittee shall submit to the Brooksville Service Office a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1.659, F.A.C., and signed, dated and sealed as-built drawings. The as-built drawings shall identify any deviations from the approved construction drawings.

5. The District reserves the right, upon prior notice to the Permittee, to conduct on-site research to assess the pollutant removal efficiency of the surface water management system. The Permittee may be required to cooperate in this regard by allowing on-site access by District representatives, by allowing the installation and operation of testing and monitoring equipment, and by allowing other assistance measures as needed on site.

6. All construction is prohibited within the permitted project area until the Permittee acquires legal ownership or legal control of the project area as delineated in the permitted construction drawings.

7. The operation and maintenance entity shall submit inspection reports in the form required by the District, in accordance with the following schedule.

   For systems utilizing retention or wet detention, the inspections shall be performed two (2) years after operation is authorized and every two (2) years thereafter.

8. If limestone bedrock is encountered during construction of the surface water management system, the District must be notified and construction in the affected area shall cease.

9. The Permittee shall notify the District of any sinkhole development in the surface water management system within 48 hours of discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the District within 30 days of discovery.

10. The District, upon prior notice to the Permittee, may conduct on-site inspections to assess the effectiveness of the erosion control barriers and other measures employed to prevent violations of state water quality standards and avoid downstream impacts. Such barriers or other measures should control discharges, erosion, and sediment transport during construction and thereafter. The District will also determine any potential environmental problems that may develop as a result of leaving or removing the barriers and other measures during construction or after construction of the project has been completed. The Permittee must provide any remedial measures that are needed.

11. This permit is issued based upon the design prepared by the Permittee's consultant. If at any time it is determined by the District that the Conditions for Issuance of Permits in Rules 40D-4.301 and 40D-4.302, F.A.C., have not been met, upon written notice by the District, the Permittee shall obtain a permit modification and perform any construction necessary thereunder to correct any deficiencies in the system design or construction to meet District rule criteria. The Permittee is advised that the correction of deficiencies may require re-construction of the surface water management system and/or mitigation areas.

GENERAL CONDITIONS

1. The general conditions attached hereto as Exhibit "A" are hereby incorporated into this permit by reference and the Permittee shall comply with them.

Authorized Signature

HENRY ROBERT LUE, P.E., DIRECTOR
BROOKSVILLE REGULATION DEPARTMENT

EXHIBIT "A"

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. For general permits authorizing incidental site activities, the following limiting general conditions shall also apply:

   a. If the decision to issue the associated individual permit is not final within 90 days of issuance of the incidental site activities permit, the site must be restored by the permittee within 90 days after notification by the District. Restoration must be completed by re-contouring the disturbed site to previous grades and slopes re-establishing and maintaining suitable vegetation and erosion control to provide stabilized hydraulic conditions. The period for completing restoration may be extended if requested by the permittee and determined by the District to be warranted due to adverse weather conditions or other good cause. In addition, the permittee shall institute stabilization measures for erosion and sediment control as soon as practicable, but in no case more than 7 days after notification by the District.

   b. The incidental site activities are commenced at the permittee's own risk. The Governing Board will not consider the monetary costs associated with the incidental site activities or any potential restoration costs in making its decision to approve or deny the individual environmental resource permit application. Issuance of this permit shall not in any way be construed as commitment to issue the associated individual environmental resource permit.

4. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

5. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the District as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.

6. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

7. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

8. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.

9. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

10. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:

    a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
    b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
    c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.

11. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.

12. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a written notification of commencement indicating the actual start date and the expected completion date.

13. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

14. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1, F.A.C. Additionally, if deviation from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.

15. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

16. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the District until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the District, if different from the permittee. Until a transfer is approved by the District, the permittee shall be liable for compliance with the terms of the permit.

17. Should any other regulatory agency require changes to the permitted system, the District shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.

18. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.

19. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.

20. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.

21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.

22. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40D-4.351, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

23. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with District rules, regulations and conditions of the permits.

24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District and the Florida Department of State, Division of Historical Resources.

25. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

PROFESSIONAL CERTIFICATION*
FOR THE ENG ERING EVALUATION REPORT

MSSW/ERP Permit Number:	44010201.008
Date Application Received:	August 9, 2006
Permittee's Name:	Marion County Board of County Commissioners
Address:	601 SE 25th Avenue Ocala, FL 34471
Project Name:	Marion County - NW 44th Avenue, From US 27 to North of NW 60th Street
Project Description:	Road Project
Project Size:	50.40 Acres
Activity:	Construction
Section(s)/Township/Range:	3/15S/21E; 22,27,34/14S/21E

I HEREBY CERTIFY that the engineering features described in the referenced application to construct and/or operate a surface water management system associated with the indicated project have been evaluated regarding provision of reasonable assurance of compliance with Part IV, Chapter 373, Florida Statutes, and Chapters 40D-4, 40D-40 or 40D-400, Florida Administrative Code, (F.A.C.), as applicable. I have not evaluated and do not make any certifications as to other aspects of the proposal.

3/7/07

_____(Seal)

C. Clay Black, FL P.E. # 40879
Senior Professional Engineer
Brooksville Regulation Department
Southwest Florida Water Management District

* When required by Subsection 61G15-26.001(1), F.A.C., a professional engineer's seal, signature and date (i.e., "Professional Certification") means that the work indicated has been conducted under the responsible supervision, direction or control of a person licensed by the State to practice engineering, who by authority of their license is required to have some specialized knowledge of engineering. Professional Certification is not a guaranty or warranty of fitness or suitability, either explicit or implied.

APPENDIX H

Excerpts from
I-75 Permit

MANAGEMENT AND STORAGE OF SURFACE WATERS TECHNICAL STAFF REPORT
April 16, 1993

APPLICANT: Florida Department of Transportation
C/O Karen Snyder
719 South Woodland Boulevard
Deland, Florida 32720

AGENT: Beiswenger, Hoch and Associates, Inc.
Massoud M. Keshani
385 Whooping Loop, Suite 1315
Altamonte Springs, FL 32701

COUNTY: Marion PROJECT NAME: Interstate 75
SECTION(S): 2,34,35,27 TOWNSHIP(S): 14S & 15S RANGE(S): 21E
ACRES OWNED: 157 PROJECT ACREAGE: 157

AUTHORITY: 40C-4.041(2)(b)2,4, F.A.C.

GENERAL DESCRIPTION OF APPLICATION NO. 4-083-0163AG
This application is for authorization to construct a surface water management system consisting of the addition of two traffic lanes and the associated stormwater management facilities to the existing Interstate 75 from U.S. 27 to C.R. 326 in Marion County, Florida.

RECEIVING WATER BODY(IES): Groundwater

EXISTING LAND USE: Interstate 75 and grassed median

OPERATION AND MAINTENANCE ENTITY: Florida Department of Transportation

STAFF COMMENTS:
The Florida Department of Transportation proposes to add an additional travel lane to both the north and south bound lanes of Interstate 75 from U.S. 27 to C.R. 326 in Marion County. The additional lanes will be constructed within the existing median of I-75. Stormwater runoff from the proposed project will be collected in median inlets and routed to a series of dry retention areas and swale/ditch block systems on the outside of the travel lanes for the required water quality treatment and peak rate/volume attenuation. All of the proposed work will be done within the existing right-of-way of Interstate 75.

No wetlands exist on the project site. The project conforms with the wetland review criteria of 10.7.4 A.H. Staff believes that this project, as proposed and conditioned, is consistent with the District objectives and criteria set forth in chapters 40C-4, 40C-41, and 40C-42 F.A.C.

MSSW WETLAND INVENTORY

TOTAL WETLANDS INVOLVED:	0.00
TOTAL WETLANDS PRESERVED:	0.00
TOTAL WETLANDS DISTURBED:	0.00
TOTAL WETLANDS LOST:	0.00
TOTAL WETLANDS RESTORED/CREATED:	0.00
TOTAL WETLANDS ENHANCED:	0.00

RECOMMENDATION: APPROVAL

CONDITIONS FOR APPLICATION NUMBER 4-083-0163AG

GENERAL (SEE CONDITION SHEET): 2, 3, 4, 5, 6, 7, 8

SPECIAL (SEE CONDITION SHEET): 1, 2, 6, 13, 14, 15, 29, 30, 39

OTHER CONDITIONS:

1. The proposed surface water management system must be constructed as per the plans received by the District on January 11, 1993, as modified by plans received by the District on March 5, 1993.

Register/McGee

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BASIN "E"

Basin "E" was designed as a Dry Retention-Detention facility located between stations 1032+00 and 1050+35 west of the existing Interstate 75 alignment. Basin consists of five interconnected ponds and five ditch block systems. All ponds have 4:1 front and back slopes, a variable bottom width, and a 10 foot maintenance berm abutting the Right-of-Way. Ditch Block Systems have varied front slopes from 4:1 to 6:1, variable bottoms, and 4:1 backslopes, with a 10 foot minimum maintenance berm. Ditch Blocks have slopes at 10:1 with a flat 10 foot top width.

The drainage area associated with Basin "E" (including contributing offsite drainage area) consists of 18.24 acres. The primary conveyance system for Basin "E" are culvert pipes in the median and extensive use of ditches. The MODRET (Version 4.0) computer modelling was used for all ponds and ditch block systems by computing seepage through bottom and sideslopes using horizontal hydraulic conductivity with safety factor of 2.

Basin "E" was routed with Advanced Interconnected Pond Routing (Advanced ICPR v. 1.30) package by Streamline Technologies, Inc. and used a 25yr/96hr storm event for analysis.

Q (Pre-Improvement Discharge) = 63.93 CFS
Q (Post-Improvement Discharge) = 62.02 CFS

POND	BOTTOM ELEVATION	DESIGN HIGH WATER ELEVATION	REQUIRED TREATMENT VOLUME (AC-FT)	RECOVERED VOLUME WITHIN 72 HOURS (AC-FT)	VERTICAL INFILTRATION RATE (FT/DAY)
E1	90.00	91.81	0.194	0.092	0.7
E2	88.50	90.42	0.147	0.295	0.7
E3	86.00	89.35	0.337	0.190	0.7
E4	82.50	86.21	0.665	0.604	0.7
E5	81.00	84.49	0.1775	0.217	0.7

Total Required Treatment Volume = 1.52 Ac-Ft

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Florida Department
of
Transportation

VOLUME III OF VI

100% DRAINAGE COMPUTATION

I-75 NORTH
From SR 500 to CR 326
State Project No. 36210-1439
Work Program Item No. 5146282

Beiswenger Hoch
and Associates

APRIL 1993

BASIN "G"

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Basin "G" was designed as a Dry Retention-Detention facility located between stations 1056+75 and 1088+00 east of the existing Interstate 75 alignment. Basin consists of twelve interconnected ponds and thirteen ditch block systems. All ponds have 4:1 front and back slopes, a variable bottom width, and a 10 foot maintenance berm abutting the Right-of-Way. Ditch Block Systems have varied front slopes from 4:1 to 6:1, variable bottoms, and 4:1 backslopes, with a 10 foot minimum maintenance berm. Ditch Blocks have slopes at 10:1 with a flat 10 foot top width.

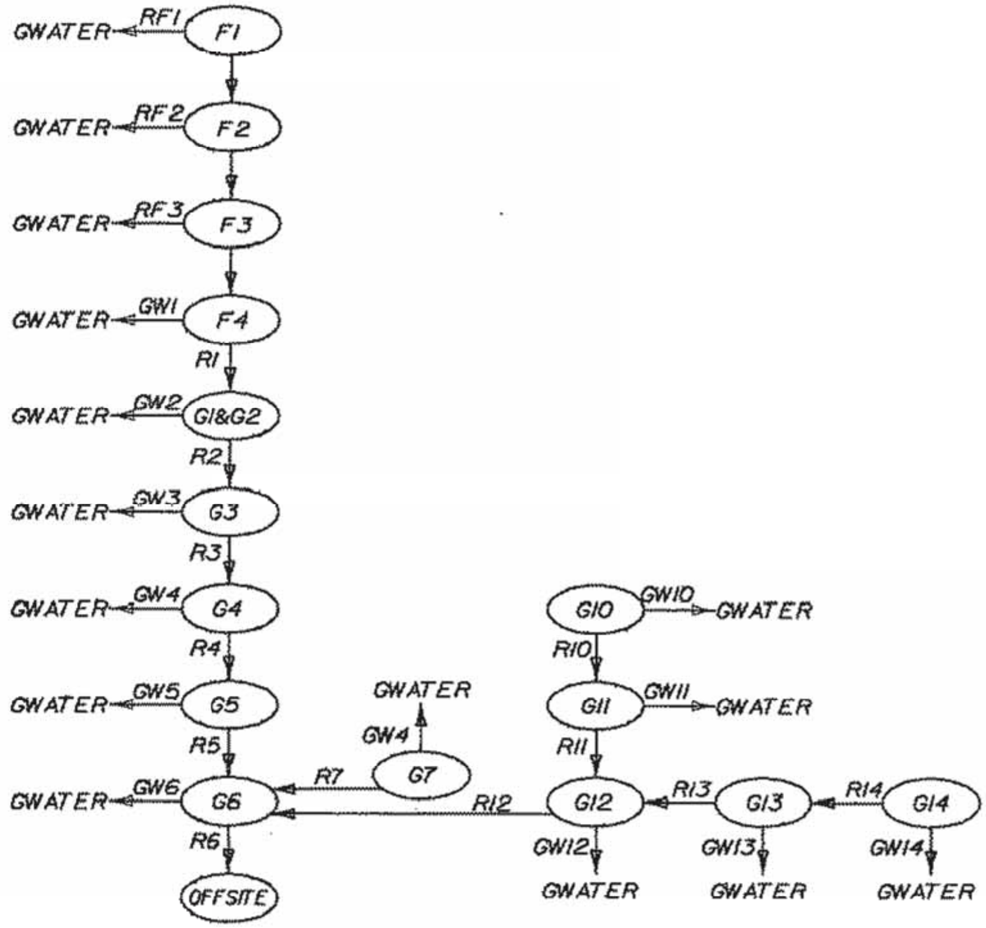
The drainage area associated with Basin "G" (including contributing offsite drainage area) consists of 28.50 acres. The primary conveyance system for Basin "G" are culvert pipes in the median and extensive use of ditches. The MODRET (Version 4.0) computer modelling was used for all ponds and ditch block systems by computing seepage through bottom and sideslopes using horizontal hydraulic conductivity with safety factor of 2.

Basin "G" was routed with Advanced Interconnected Pond Routing (Advanced ICPR v. 1.30) and ICPR (v. 2.80) package by Streamline Technologies, Inc. and used a 25yr/96hr storm event for analysis.

Q (Pre-Improvement Discharge) = 112.90 CFS
Q (Post-Improvement Discharge) = 96.09 CFS

POND	BOTTOM ELEVATION	DESIGN HIGH WATER ELEVATION	REQUIRED TREATMENT VOLUME (AC-FT)	RECOVERED VOLUME WITHIN 72 HOURS (AC-FT)	VERTICAL INFILTRATION RATE (FT/DAY)
G1	75.00	77.36	0.056	0.248	6.5
G3	73.50	75.94	0.256	0.086	6.5
G4	72.00	74.92	0.046	0.153	6.5
G5	69.00	72.70	0.049	0.374	6.0
G6	67.50	71.20	0.458	1.036	6.0
G7	72.00	74.38	0.164	0.220	6.0
G10	72.50	75.55	0.498	0.200	6.0
G11	71.00	73.95	0.046	0.147	6.0
G12	69.00	74.74	0.139	0.465	6.0
G13	71.00	74.32	0.072	0.327	6.0
G14	75.00	76.36	0.249	0.037	6.0

BASIN "G"



LEGEND

NODE

REACH

GWATER — GROUND WATER INFILTRATION*

* Used for recovery calculations only.

DRAWN BY	JOB NUMBER	
K.A.H.	96N	ICPR NODAL ROUTING DIAGRAM
CHECKED BY	DATE	
M.M.K.	11-92	

BEISWENGER, HOCH AND ASSOCIATES, INC. CONSULTING ENGINEERS, ALTAMONTE SPRINGS, FLORIDA

H:\75\calc\.dgn
H:\SCR75\GNOD.PRF

PROPOSED CONDITION

PROPOSED CONDITION

SUB-BASIN G1:

^{A}(Pavement) = 0.19 AC, ^{A}(Grass) = 0.48 AC, ^{A}(Total) = 0.67 AC

SUB-BASIN G2:

^{A}(Pavement) = 1.97 AC, ^{A}(Grass) = 1.95 AC, ^{A}(Offsite) = 1.20 AC

^{A}(Total) = 5.12 AC

SUB-BASIN G3:

^{A}(Pavement) = 1.03 AC, ^{A}(Grass) = 0.84 AC, ^{A}(Offsite) = 1.20 AC

^{A}(Total) = 3.07 AC

SUB-BASIN G4:

^{A}(Pavement) = 0.16 AC, ^{A}(Grass) = 0.39 AC, ^{A}(Total) = 0.55 AC

SUB-BASIN G5:

^{A}(Pavement) = 0.17 AC, ^{A}(Grass) = 0.42 AC, ^{A}(Total) = 0.59 AC

SUB-BASIN G6:

^{A}(Pavement) = 2.61 AC, ^{A}(Grass) = 1.87 AC, ^{A}(Total) = 4.48 AC

SUB-BASIN G7 and G8:

^{A}(Pavement) = 0.57 AC, ^{A}(Grass) = 1.40 AC, ^{A}(Total) = 1.97 AC

SUB-BASIN G9 and G10:

^{A}(Pavement) = 1.06 AC, ^{A}(Grass) = 2.62 AC, ^{A}(Offsite) = 2.30 AC

^{A}(Total) = 5.98 AC

SUB-BASIN G11:

^{A}(Pavement) = 0.16 AC, ^{A}(Grass) = 0.39 AC, ^{A}(Total) = 0.55 AC

SUB-BASIN G12:

^{A}(Pavement) = 0.48 AC, ^{A}(Grass) = 1.19 AC, ^{A}(Total) = 1.67 AC

SUB-BASIN G13:

^{A}(Pavement) = 0.25 AC, ^{A}(Grass) = 0.61 AC, ^{A}(Total) = 0.86 AC

SUB-BASIN G14:

^{A}(Pavement) = 0.40 AC, ^{A}(Grass) = 0.99 AC, ^{A}(Offsite) = 1.60 AC

^{A}(Total) = 2.99 AC

SUMMARY BASIN "G" (PROPOSED CONDITION)

^{A}(Total) = G1 + G2 + G3 +G4 + G5 + G6 + G7 + G8 + G9 + G10 + G11 + G12 + G13 + G14

^{A}(Total) = 0.67 AC + 5.12 AC + 3.07 AC + 0.55 AC + 0.59 AC + 4.48 AC + 1.97 AC + 5.98 AC + 0.55 AC +1.67 AC + 0.86 AC + 2.99 AC = 28.50 AC

^{A}(Pavement) = 9.05 AC

^{A}(Grass) = 13.15 AC

^{A}(Offsite) = 6.30 AC

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.31)
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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

BASIN NAME	G1	G2	OFF-G2	G3	OFF-G3
NODE NAME	NG1	NG1	NG2	NG3	NG3
TIME INCREMENT (min)	3.00	3.00	5.00	3.00	3.00
RAINFALL FILE	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
RAIN AMOUNT (in)	11.50	11.50	11.50	11.50	11.50
STORM DURATION (hrs)	96.00	96.00	96.00	96.00	96.00
AREA (ac)	.67	3.92	1.20	1.87	1.20
CURVE NUMBER	62.90	73.63	49.00	75.99	49.00
DCIA (%)	.00	.00	.00	.00	.00
TC (mins)	10.00	10.00	10.00	10.00	10.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	OFFSITE	ONSITE	OFFSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
G1	2.83	59.95	6.57	
G2	19.55	59.95	8.09	
OFF-G2	3.51	59.92	4.47	
G3	9.58	59.95	8.42	
OFF-G3	3.57	59.95	4.47	

BASIN NAME	G4	G5	G6	F1	F2
NODE NAME	NG4	NG5	NG6	NF1	NF2
TIME INCREMENT (min)	3.00	3.00	3.00	3.00	3.00
RAINFALL FILE	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
RAIN AMOUNT (in)	11.50	11.50	11.50	11.50	11.50
STORM DURATION (hrs)	96.00	96.00	96.00	96.00	96.00
AREA (ac)	.55	.59	4.48	8.10	1.68
CURVE NUMBER	63.25	63.12	77.54	55.96	58.04
DCIA (%)	.00	.00	.00	.00	.00
TC (mins)	10.00	10.00	10.00	10.00	10.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
G4	2.34	59.95	6.62	
G5	2.51	59.95	6.60	
G6	23.34	59.95	8.63	
F1	29.47	59.95	5.53	
F2	6.42	59.95	5.85	

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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

BASIN NAME	F3	F4
NODE NAME	NF3	NF4
TIME INCREMENT (min)	3.00	3.00
RAINFALL FILE	SJRWMD96	SJRWMD96
RAIN AMOUNT (in)	11.50	11.50
STORM DURATION (hrs)	96.00	96.00
AREA (ac)	1.45	4.55
CURVE NUMBER	59.14	58.69
DCIA (%)	.00	.00
TC (mins)	10.00	10.00
LAG TIME (hrs)	.00	.00
BASIN STATUS	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
F3	5.68	59.95	6.01	
F4	17.65	59.95	5.94	

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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

CONTROL PARAMETERS

START TIME: .00
END TIME: 120.00

TO TIME (hours)	SIMULATION INC (secs)	PRINT INC (mins)
120.00	10.00	60.00

RUNOFF HYDROGRAPH FILE: DEFAULT
OFFSITE HYDROGRAPH FILE: DEFAULT
BOUNDARY DATABASE FILE: NONE

NOTE:

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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AREA/TIME (ac)/(hr)
NG1	AREA	75.000	.000	.000	.000	75.000	.000
						75.400	.284
						75.800	.360
						76.200	.437
						76.600	.514
						77.000	.592
						77.400	.684
						77.800	.777
						78.200	.873
						78.800	1.021
NG3	AREA	73.500	.000	.000	.000	73.500	.000
						73.800	.034
						74.100	.049
						74.400	.064
						74.700	.081
						75.000	.098
						75.300	.118
						75.600	.140
						76.000	.169
NG4	AREA	72.000	.000	.000	.000	72.000	.000
						72.400	.054
						72.800	.067
						73.200	.082
						73.600	.099
						74.000	.118
						74.400	.139
						74.800	.160
						75.000	.171
NG5	AREA	69.000	.000	.000	.000	69.000	.000
						69.500	.057
						70.000	.074
						70.500	.093
						71.000	.114
						71.500	.137
						72.000	.161
						72.500	.188
						72.900	.210

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.31)
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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AREA/TIME (ac)/(hr)
NG6	TIME	67.500	.000	.000	.000	67.500	.000
						68.000	12.000
						68.500	24.000
						69.000	36.000
						69.500	48.000
						70.000	84.000
						70.500	96.000
NF1	AREA	85.000	.000	.000	.000	85.000	.000
						85.300	.022
						85.600	.034
						85.900	.048
						86.200	.063
						86.500	.081
						86.800	.099
						87.100	.119
						87.400	.140
NF2	AREA	83.000	.000	.000	.000	83.000	.000
						83.300	.084
						83.600	.098
						83.900	.112
						84.200	.126
						84.500	.140
						84.800	.155
						85.100	.171
						85.400	.186
						86.000	.224
NF3	AREA	81.000	.000	.000	.000	81.000	.000
						81.400	.085
						81.800	.103
						82.200	.121
						82.600	.139
						83.000	.158
						83.400	.178
						83.800	.198
						84.200	.221
						84.600	.246
NF4	AREA	78.000	.000	.000	.000	78.000	.000
						78.500	.302
						79.000	.366
						79.500	.432
						80.000	.499
						80.500	.567
						81.000	.636
						81.500	.706
						81.900	.776

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        Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.31)
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        BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
        4/13/93

))REACH NAME        : R1
  FROM NODE         : NF4
  TO NODE           : NG1
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):  80.800 BTM. WIDTH (ft):  10.000   LEFT SS (h/v):  10.000
     RGHT SS (h/v):  10.000    OPENING (ft): 999.000      WEIR COEF.:   3.200
        GATE COEF.:    .600 NUMBER OF ELEM.:   1.000
              NOTE:

))REACH NAME        : R2
  FROM NODE         : NG1
  TO NODE           : NG3
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):  76.500 BTM. WIDTH (ft):  10.000   LEFT SS (h/v):  10.000
     RGHT SS (h/v):  10.000    OPENING (ft): 999.000      WEIR COEF.:   3.200
        GATE COEF.:    .600 NUMBER OF ELEM.:   1.000
              NOTE:

))REACH NAME        : R3
  FROM NODE         : NG3
  TO NODE           : NG4
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):  75.000 BTM. WIDTH (ft):  10.000   LEFT SS (h/v):  10.000
     RGHT SS (h/v):  10.000    OPENING (ft): 999.000      WEIR COEF.:   3.200
        GATE COEF.:    .600 NUMBER OF ELEM.:   1.000
              NOTE:

))REACH NAME        : R4
  FROM NODE         : NG4
  TO NODE           : NG5
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):  74.000 BTM. WIDTH (ft):  10.000   LEFT SS (h/v):  10.000
     RGHT SS (h/v):  10.000    OPENING (ft): 999.000      WEIR COEF.:   3.200
        GATE COEF.:    .600 NUMBER OF ELEM.:   1.000
              NOTE:

))REACH NAME        : R5
  FROM NODE         : NG5
  TO NODE           : NG6
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):  71.800 BTM. WIDTH (ft):  10.000   LEFT SS (h/v):  10.000
     RGHT SS (h/v):  10.000    OPENING (ft): 999.000      WEIR COEF.:   3.200
        GATE COEF.:    .600 NUMBER OF ELEM.:   1.000
              NOTE:
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BASIN "G" (G1 THRU. G6)-PROPOSED CONDITION-25YR/96HRS
4/13/93

```
))REACH NAME        : RF3
  FROM NODE         : NF3
  TO NODE           : NF4
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):   83.800 BTM. WIDTH (ft):   10.000   LEFT SS (h/v):   10.000
     RGHT SS (h/v):   10.000     OPENING (ft): 999.000      WEIR COEF.:    3.200
        GATE COEF.:     .600 NUMBER OF ELEM.:    1.000
              NOTE:

))REACH NAME        : RF2
  FROM NODE         : NF2
  TO NODE           : NF3
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):   85.500 BTM. WIDTH (ft):   10.000   LEFT SS (h/v):   10.000
     RGHT SS (h/v):   10.000     OPENING (ft): 999.000      WEIR COEF.:    3.200
        GATE COEF.:     .600 NUMBER OF ELEM.:    1.000
              NOTE:

))REACH NAME        : RF1
  FROM NODE         : NF1
  TO NODE           : NF2
  REACH TYPE        : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
  FLOW DIRECTION    : POSITIVE AND NEGATIVE FLOWS ALLOWED
    CREST EL. (ft):   87.000 BTM. WIDTH (ft):   10.000   LEFT SS (h/v):   10.000
     RGHT SS (h/v):   10.000     OPENING (ft): 999.000      WEIR COEF.:    3.200
        GATE COEF.:     .600 NUMBER OF ELEM.:    1.000
              NOTE:
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Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.31)
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BASIN "G" (G6,G7,G10,G11,G12,G13,G14)-PROPOSED CONDITION
4/13/93

NODAL STAGE/VOLUME/FLOW REPORT

NODE ID: OFF-LOW

TIME (hrs)	STAGE (ft)	VOLUME (af)	INFLOW RUNOFF (cfs)	INFLOW OFFSITE (cfs)	INFLOW OTHER (cfs)	OUTFLOW (cfs)
88.00	70.57	9.31	.00	.00	.77	.00
89.00	70.57	9.37	.00	.00	.77	.00
90.00	70.57	9.44	.00	.00	.78	.00
91.00	70.58	9.50	.00	.00	.78	.00
92.00	70.58	9.57	.00	.00	.78	.00
93.00	70.59	9.63	.00	.00	.78	.00
94.00	70.59	9.70	.00	.00	.78	.00
95.00	70.60	9.76	.00	.00	.78	.00
96.00	70.60	9.82	.00	.00	.66	.00
97.00	70.60	9.86	.00	.00	.38	.00
98.00	70.61	9.89	.00	.00	.24	.00
99.00	70.61	9.90	.00	.00	.16	.00
100.00	70.62	9.91	.00	.00	.10	.00
101.00	70.62	9.92	.00	.00	.07	.00
102.00	70.63	9.93	.00	.00	.05	.00
103.00	70.63	9.93	.00	.00	.03	.00
104.00	70.63	9.93	.00	.00	.02	.00
105.00	70.64	9.94	.00	.00	.02	.00
106.00	70.64	9.94	.00	.00	.01	.00
107.00	70.65	9.94	.00	.00	.01	.00
108.00	70.65	9.94	.00	.00	.01	.00
109.00	70.65	9.94	.00	.00	.00	.00
110.00	70.66	9.94	.00	.00	-.01	.00
111.00	70.66	9.94	.00	.00	-.01	.00
112.00	70.67	9.94	.00	.00	-.01	.00
113.00	70.67	9.94	.00	.00	-.01	.00
114.00	70.67	9.93	.00	.00	-.01	.00
115.00	70.68	9.93	.00	.00	-.01	.00
116.00	70.68	9.93	.00	.00	-.01	.00
117.00	70.69	9.93	.00	.00	-.02	.00
118.00	70.69	9.93	.00	.00	-.02	.00
119.00	70.70	9.93	.00	.00	-.02	.00
120.00	70.70	9.93	.00	.00	-.02	.00

Inflow to Depression 2

RECOVERY CALCULATION

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : 61

AVERAGE WETTED POND LENGTH	170.000	ft
AVERAGE WETTED POND WIDTH	31.330	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	66.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	72.000	ft
AVERAGE ELEVATION OF POND BOTTOM	79.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	29.250	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.248	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G1

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	79.000	0.286 *	
			0.2234
12.000	77.188	0.161	
			0.0986
24.000	76.388	0.081	
			0.0636
36.000	75.873	0.055	
			0.0464
48.000	75.496	0.041	
			0.0363
60.000	75.202	0.033	
			0.0297
72.000	74.961		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G2

AVERAGE WETTED POND LENGTH	745.000	ft
AVERAGE WETTED POND WIDTH	14.500	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	64.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	70.000	ft
AVERAGE ELEVATION OF POND BOTTOM	76.500	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	29.250	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.396	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G2

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	76.500	0.852 *	
			0.6335
12.000	73.967	0.414	
			0.1955
24.000	73.185	0.152	
			0.1079
36.000	72.753	0.098	
			0.0725
48.000	72.463	0.062	
			0.0523
60.000	72.254	0.047	
			0.0408
72.000	72.091		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G3

AVERAGE WETTED POND LENGTH	)	260.000 ft
AVERAGE WETTED POND WIDTH	)	9.250 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	)	59.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	)	67.000 ft
AVERAGE ELEVATION OF POND BOTTOM	)	75.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	)	29.250 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	)	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	)	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	)	0.086 ac-ft
TIME INCREMENTS AFTER STORM EVENT	)	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	)	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	)	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G3

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	75.000	0.334 *	
			0.2422
12.000	70.649	0.151	
			0.0589
24.000	69.592	0.044	
			0.0290
36.000	69.070	0.023	
			0.0179
48.000	68.748	0.015	
			0.0126
60.000	68.522	0.011	
			0.0093
72.000	68.354		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G4

AVERAGE WETTED POND LENGTH	155.000	ft
AVERAGE WETTED POND WIDTH	20.670	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	50.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	67.000	ft
AVERAGE ELEVATION OF POND BOTTOM	74.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	29.250	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.153	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G4

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	74.000	0.263 *	
			0.1999
12.000	71.385	0.136	
			0.0727
24.000	70.324	0.057	
			0.0421
36.000	69.756	0.035	
			0.0287
48.000	69.368	0.025	
			0.0212
60.000	69.082	0.019	
			0.0164
72.000	68.862		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G5

AVERAGE WETTED POND LENGTH	)	155.000 ft
AVERAGE WETTED POND WIDTH	)	29.000 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	)	56.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	)	64.000 ft
AVERAGE ELEVATION OF POND BOTTOM	)	72.500 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	)	27.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	)	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	)	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	)	0.374 ac-ft
TIME INCREMENTS AFTER STORM EVENT	)	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	)	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	)	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G5

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	72.500	0.341 *	
			0.2645
12.000	69.958	0.188	
			0.1112
24.000	68.890	0.090	
			0.0693
36.000	68.224	0.059	
			0.0495
48.000	67.748	0.044	
			0.0379
60.000	67.384	0.034	
			0.0308
72.000	67.087		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G6

AVERAGE WETTED POND LENGTH	==========)	535.000 ft
AVERAGE WETTED POND WIDTH	==========)	23.330 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	==========)	56.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	===)	62.000 ft
AVERAGE ELEVATION OF POND BOTTOM	==========)	71.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	=======)	27.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	========)	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	========)	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	========)	1.036 ac-ft
TIME INCREMENTS AFTER STORM EVENT	==========)	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	========)	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	==========)	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G6

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	71.000	0.993 *	
			0.7551
12.000	68.387	0.517	
			0.2786
24.000	67.422	0.223	
			0.1678
36.000	66.842	0.143	
			0.1187
48.000	66.431	0.105	
			0.0988
60.000	66.117	0.082	
			0.0742
72.000	65.860		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G7

AVERAGE WETTED POND LENGTH	160.000	ft
AVERAGE WETTED POND WIDTH	30.500	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	50.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	64.000	ft
AVERAGE ELEVATION OF POND BOTTOM	74.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	27.000	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.220	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G7

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	74.000	0.394 *	
			0.3071
12.000	71.282	0.220	
			0.1325
24.000	70.108	0.100	
			0.0841
36.000	69.364	0.072	
			0.0600
48.000	68.826	0.054	
			0.0473
60.000	68.408	0.043	
			0.0381
72.000	68.070		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G10

AVERAGE WETTED POND LENGTH	250.000	ft
AVERAGE WETTED POND WIDTH	15.000	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	61.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	68.000	ft
AVERAGE ELEVATION OF POND BOTTOM	75.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	27.000	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.200	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G10

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	75.000	0.327 *	
			0.2444
12.000	72.185	0.162	
			0.0792
24.000	71.272	0.062	
			0.0446
36.000	70.758	0.037	
			0.0300
48.000	70.413	0.026	
			0.0224
60.000	70.155	0.020	
			0.0170
72.000	69.959		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : 611

AVERAGE WETTED POND LENGTH ==========)	150.000	ft
AVERAGE WETTED POND WIDTH ==========)	21.330	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER ==========)	61.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ===)	67.000	ft
AVERAGE ELEVATION OF POND BOTTOM ==========)	73.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =======)	27.000	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL ========)	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA ========)	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED ========)	0.148	ac-ft
TIME INCREMENTS AFTER STORM EVENT ==========)	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT ========)	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES ==========)	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G11

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	73.000	0.187 *	
			0.1439
12.000	71.057	0.100	
			0.0569
24.000	70.288	0.046	
			0.0347
36.000	69.820	0.030	
			0.0246
48.000	69.488	0.022	
			0.0186
60.000	69.237	0.017	
			0.0147
72.000	69.038		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G12

AVERAGE WETTED POND LENGTH	540.000	ft
AVERAGE WETTED POND WIDTH	17.570	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	56.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	63.000	ft
AVERAGE ELEVATION OF POND BOTTOM	71.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	27.000	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.465	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G12

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	71.000	0.841 *	
			0.6300
12.000	68.132	0.419	
			0.2079
24.000	67.185	0.163	
			0.1182
36.000	66.647	0.100	
			0.0813
48.000	66.277	0.071	
			0.0608
60.000	66.000	0.055	
			0.0483
72.000	65.780		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G13

AVERAGE WETTED POND LENGTH	260.000	ft
AVERAGE WETTED POND WIDTH	17.500	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	56.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	63.000	ft
AVERAGE ELEVATION OF POND BOTTOM	74.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	27.000	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.327	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G13

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	74.000	0.593 *	
			0.4443
12.000	69.782	0.296	
			0.1469
24.000	68.387	0.116	
			0.0841
36.000	67.588	0.071	
			0.0571
48.000	67.046	0.050	
			0.0427
60.000	66.641	0.038	
			0.0331
72.000	66.327		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : G14

AVERAGE WETTED POND LENGTH	305.000 ft
AVERAGE WETTED POND WIDTH	9.000 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	62.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	69.000 ft
AVERAGE ELEVATION OF POND BOTTOM	76.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	27.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.037 ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: G14

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	76.000	0.317 *	
			0.2310
12.000	72.365	0.144	
			0.0579
24.000	71.453	0.043	
			0.0290
36.000	70.997	0.024	
			0.0183
48.000	70.709	0.016	
			0.0129
60.000	70.507	0.011	
			0.0096
72.000	70.355		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : F1

AVERAGE WETTED POND LENGTH	190.000 ft
AVERAGE WETTED POND WIDTH	12.000 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	73.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	80.000 ft
AVERAGE ELEVATION OF POND BOTTOM	87.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	4.500 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.112 ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: F1

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	87.000	0.118 *	
			0.0913
12.000	85.269	0.064	
			0.0373
24.000	84.562	0.030	
			0.0234
36.000	84.119	0.020	
			0.0173
48.000	83.792	0.015	
			0.0134
60.000	83.538	0.012	
			0.0111
72.000	83.328		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : F2

AVERAGE WETTED POND LENGTH	265.000 ft
AVERAGE WETTED POND WIDTH	23.750 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	72.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	79.000 ft
AVERAGE ELEVATION OF POND BOTTOM	85.500 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	4.500 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.305 ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: F2

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	85.500	0.155 *	
			0.1248
12.000	84.643	0.095	
			0.0645
24.000	84.201	0.054	
			0.0439
36.000	83.839	0.039	
			0.0336
48.000	83.668	0.031	
			0.0279
60.000	83.477	0.026	
			0.0240
72.000	83.312		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ABICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : F3

AVERAGE WETTED POND LENGTH	230.000	ft
AVERAGE WETTED POND WIDTH	25.670	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	69.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	75.000	ft
AVERAGE ELEVATION OF POND BOTTOM	84.000	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	31.500	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	0.379	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: F3

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	84.000	0.467 *	
			0.3589
12.000	81.374	0.251	
			0.1433
24.000	80.326	0.116	
			0.0894
36.000	79.672	0.077	
			0.0645
48.000	79.200	0.057	
			0.0494
60.000	78.838	0.045	
			0.0401
72.000	78.545		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev,P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

POND NAME / NUMBER : F4

AVERAGE WETTED POND LENGTH	747.500	ft
AVERAGE WETTED POND WIDTH	28.500	ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER	65.000	ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE	73.000	ft
AVERAGE ELEVATION OF POND BOTTOM	81.750	ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY	31.500	ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL	0.200	
AVERAGE STORAGE COEFFICIENT OF POND AREA	1.000	
POLLUTION ABATEMENT VOLUME TO BE TREATED	1.692	ac-ft
TIME INCREMENTS AFTER STORM EVENT	12.00	hours
No. OF TIME INCREMENTS AFTER STORM EVENT	6.00	
NUMBER OF GROUNDWATER CONTROL FEATURES	0.00	

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

POND NAME / No.: F4

CUMMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	81.750	1.593 *	
			1.2148
12.000	79.287	0.836	
			0.4578
24.000	78.358	0.367	
			0.2762
36.000	77.798	0.236	
			0.1964
48.000	77.400	0.174	
			0.1512
60.000	77.093	0.137	
			0.1237
72.000	76.842		

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

APPENDIX I

Isopluvial Maps

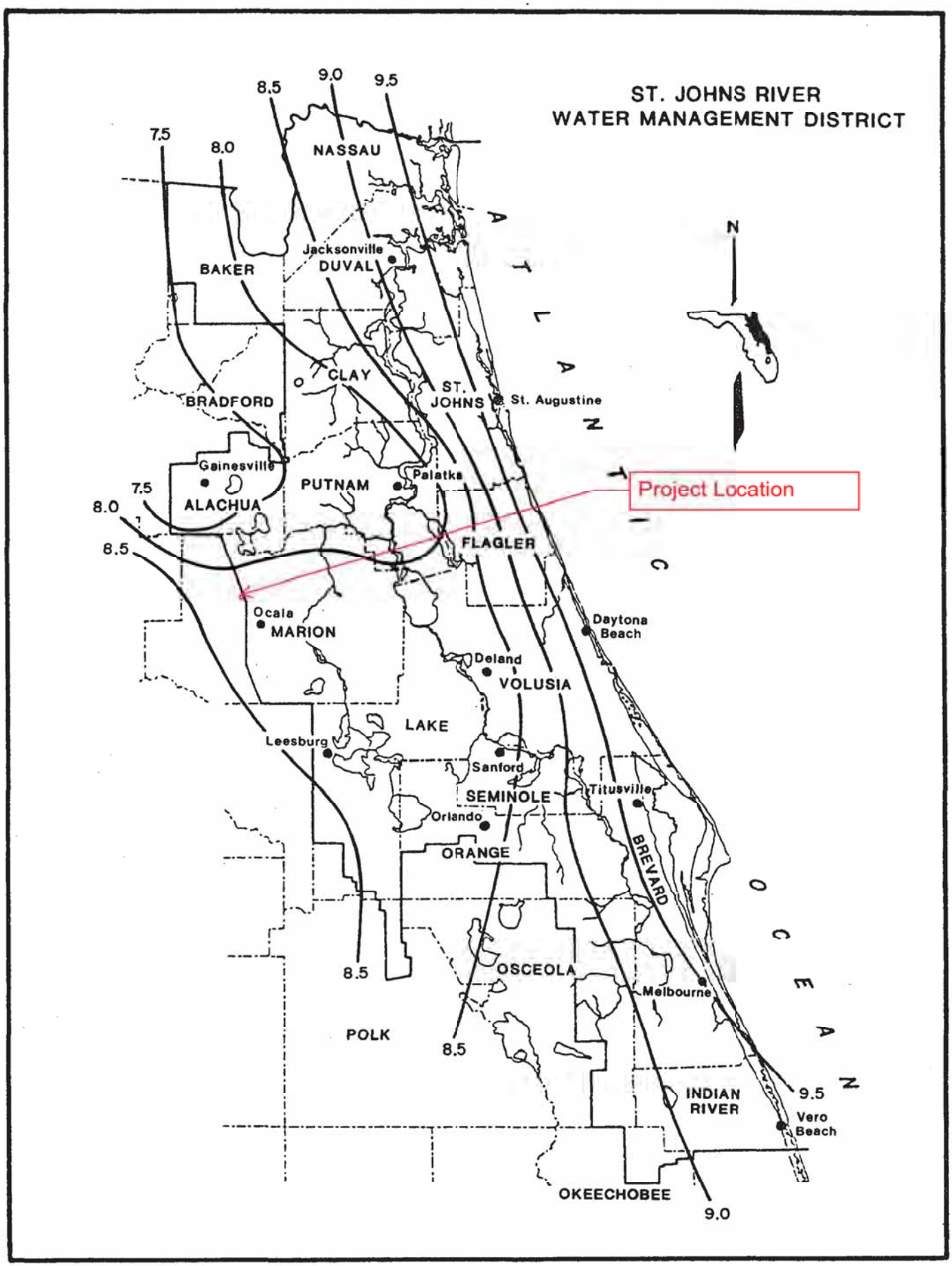


Figure 7. 25-Year 24-Hour Maximum Rainfall for Northeast Florida, Inches.

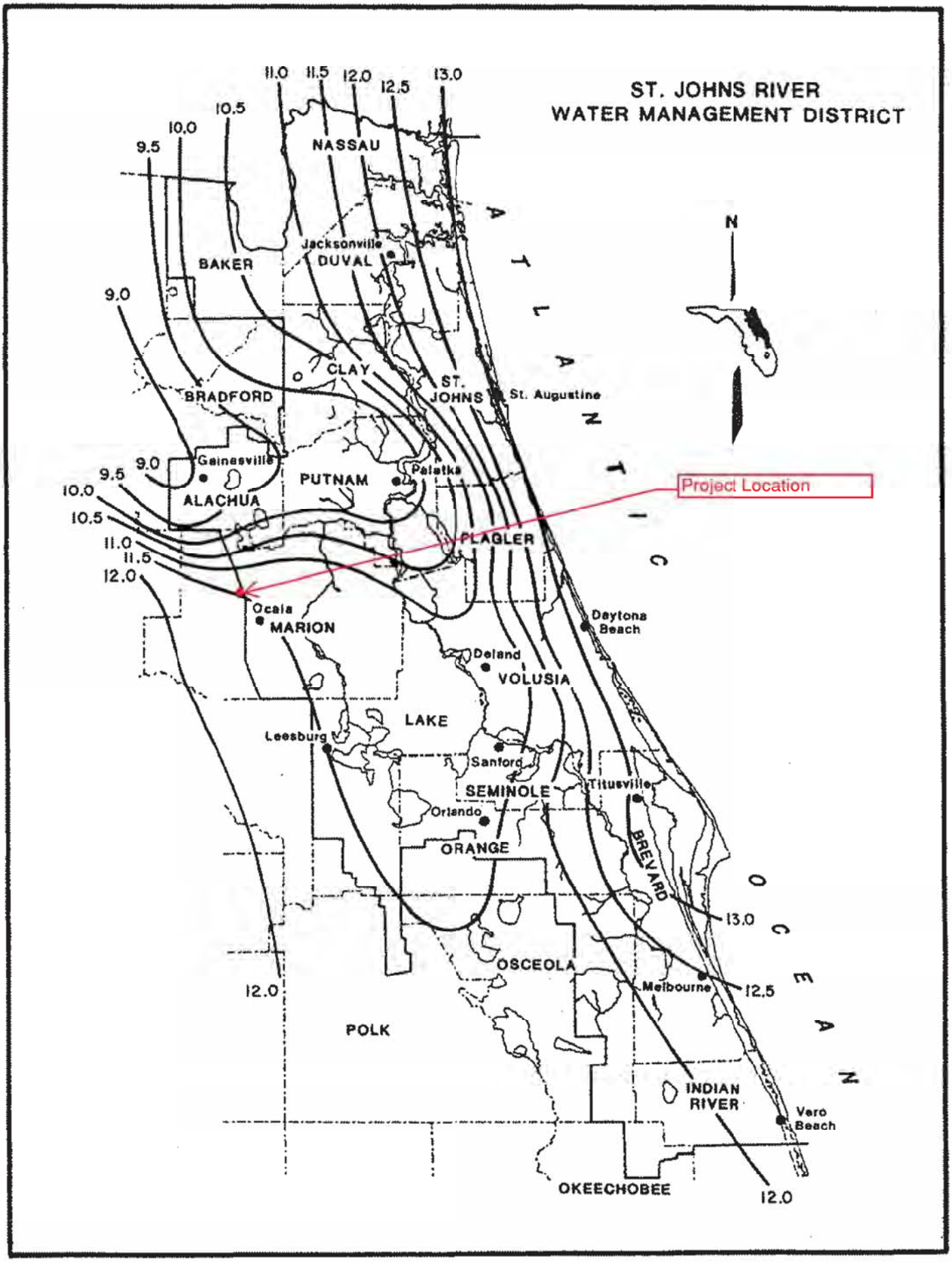


Figure 8. 100-Year 24-Hour Maximum Rainfall for Northeast Florida, Inches.

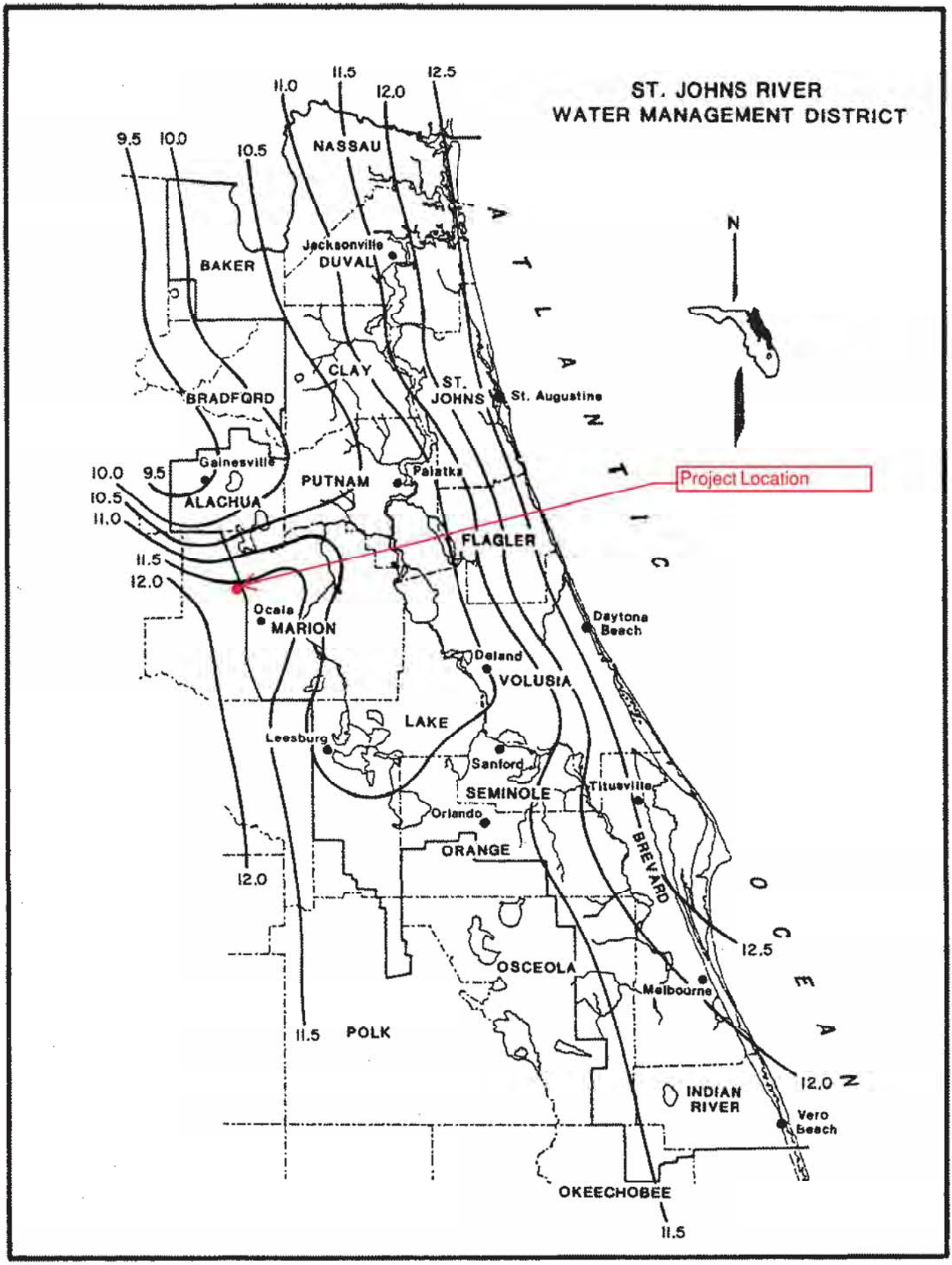


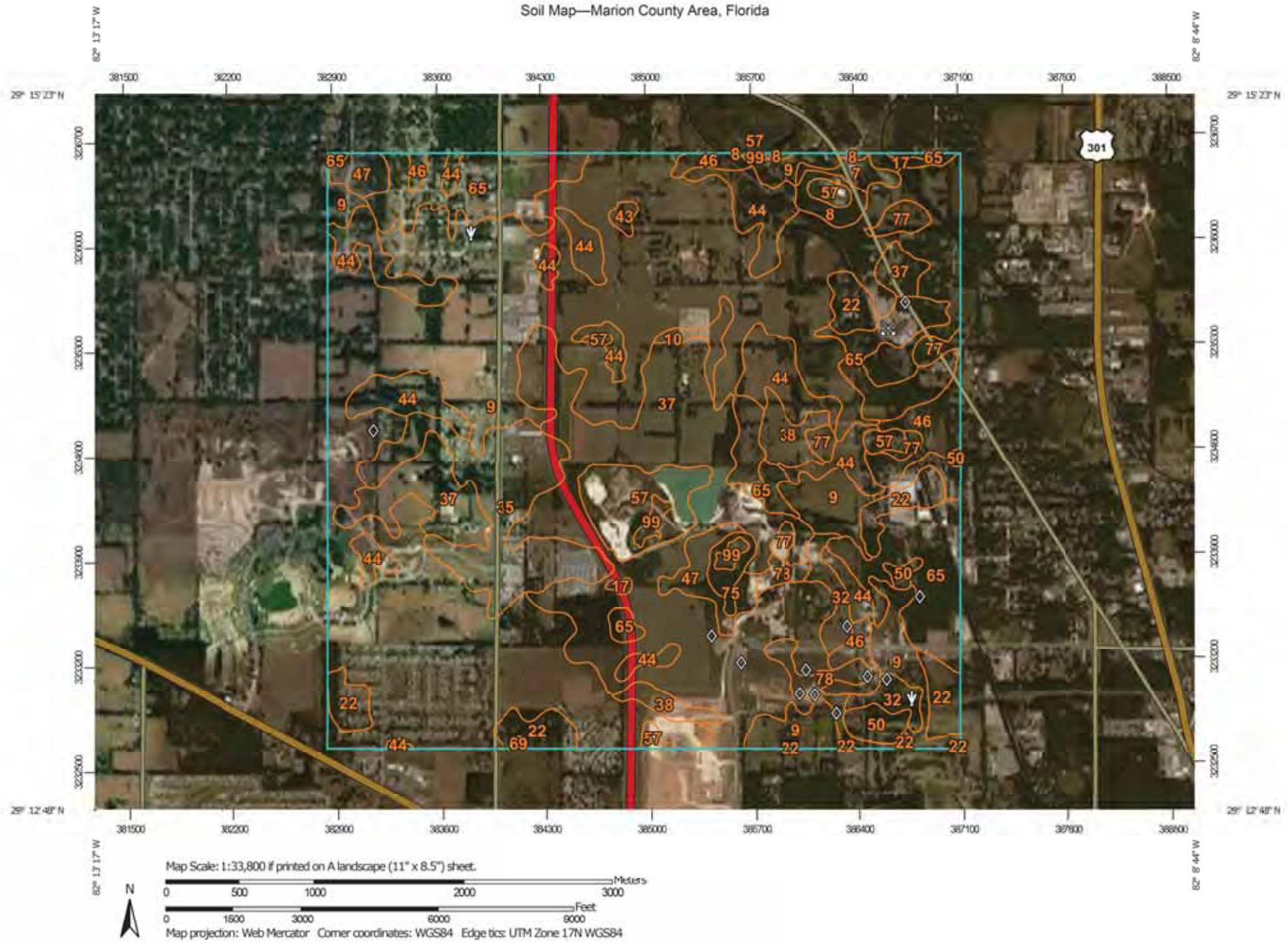
Figure 13. 25-Year 96-Hour Maximum Rainfall for Northeast Florida, Inches.

APPENDIX J

Preliminary Soil Report & Geotechnical Data

Preliminary Soil Report

FIGURE 6


Soil Map—Marion County Area, Florida
82° 13' 17" W
82° 8' 44" W
29° 15' 23" N
29° 12' 48" N
381500
382200
382900
383600
384300
385000
385700
386400
387100
387800
388500
3226700
3226000
3225300
3224600
3223900
3223200
3222500
301
Map Scale: 1:33,800 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0
500
1000
2000
3000
Feet
0
1500
3000
6000
9000
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Marion County Area, Florida
Survey Area Data: Version 16, Sep 12, 2018

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

Date(s) aerial images were photographed: Dec 29, 2010—Jan 17, 2019

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7	Udalfic Arents, 0 to 5 percent slopes	17.3	0.4%
8	Udalfic Arents, 15 to 60 percent slopes	26.6	0.6%
9	Arredondo sand, 0 to 5 percent slopes	1,823.9	43.5%
10	Arredondo sand, 5 to 8 percent slopes	19.8	0.5%
17	Blichton sand, 2 to 5 percent slopes	11.0	0.3%
22	Candler sand, 0 to 5 percent slopes	134.7	3.2%
32	Fellowship gravelly loamy sand, gravelly subsoil variant, 5 to 8 percent slopes	49.1	1.2%
35	Gainesville loamy sand, 0 to 5 percent slopes	209.6	5.0%
37	Hague sand, 2 to 5 percent slopes	722.6	17.3%
38	Hague sand, 5 to 8 percent slopes	54.4	1.3%
43	Kanapaha-Kanapaha, wet, fine sand, 0 to 5 percent slopes	7.2	0.2%
44	Kendrick loamy sand, 0 to 5 percent slopes	314.7	7.5%
46	Lochloosa fine sand, 0 to 5 percent slopes	90.4	2.2%
47	Lochloosa fine sand, 5 to 8 percent slopes	63.5	1.5%
50	Micanopy fine sand, 2 to 5 percent slopes	30.6	0.7%
57	Pits	116.1	2.8%
65	Sparr fine sand, 0 to 5 percent slopes	365.3	8.7%
69	Tavares sand, 0 to 5 percent slopes	1.7	0.0%
75	Wacahoota gravelly sand, gravelly subsoil variant, 5 to 8 percent slopes	18.7	0.4%
77	Zuber loamy sand, 2 to 5 percent slopes	47.5	1.1%
78	Zuber loamy sand, 5 to 8 percent slopes	48.7	1.2%
99	Water	15.6	0.4%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Totals for Area of Interest		4,189.0	100.0%

Excerpts from Geotechnical Report

TABLE 2

Summary of Seasonal High Groundwater Table Estimates for Ponds
I-75 (SR 93) at NE 49th Street PD&E Study from End of NW 49th Street to End of NW 35th Street
Marion County, Florida
FPN: 435209-1-22-01
Tierra Project No: 5511-16-033

Boring Number	Boring Location[1] B/L Survey SR 93		Boring Depth[2]	Ground Surface Elevation NAVD88[1]	Measured GWT		Date Groundwater Table Recorded	USDA Soil Survey		Estimated SHGWT[4]	
	Station (feet)	Offset (feet)	(feet)	(feet)	Depth Below Ground Surface (feet)	Elevation NAVD88 (feet)		Soil Map Unit	SHGWT Depth[3] (feet)	Depth Below Ground Surface (feet)	Elevation NAVD88 (feet)
PBS - 1	2483+57	919 LT	20.0	85.6	GNA[5]	< 75.6	07/31/2018	9	> 6.0	12.0[6]	73.6
PBS - 2	2483+67	482 LT	20.0	86.4	GNA[5]	< 76.4	07/31/2018	37	> 6.0	6.0[6]	80.4
PBS - 3	2488+68	371 LT	20.0	85.5	GNA[5]	< 75.5	07/31/2018	37	> 6.0	> 20.0	< 65.5
PBS - 4	2492+37	276 LT	20.0	83.8	GNA[5]	< 73.8	07/31/2018	37	> 6.0	3.0[6]	80.8
PBS - 5	2490+80	255 RT	20.0	82.9	GNA[5]	< 72.9	08/21/2018	9	> 6.0	4.0[6]	78.9
PBS - 6	2487+62	422 RT	25.0	72.7	GNA[5]	< 62.7	08/21/2018	37	> 6.0	12.0[6]	60.7
PBS - 7	2483+43	347 RT	20.0	75.7	GNA[5]	< 65.7	08/21/2018	37	> 6.0	12.0[6]	63.7
PBS - 8	2485+27	683 RT	30.0	67.6	GNA[5]	< 57.6	08/21/2018	9	> 6.0	6.5[6]	61.1
PBS - 9	2483+63	1018 RT	20.0	74.2	GNA[5]	< 64.2	08/21/2018	9	> 6.0	3.0[6]	71.2
PBS - 10	2486+27	1439 RT	20.0	82.2	GNA[5]	< 72.2	08/22/2018	9	> 6.0	8.0[6]	74.2
PBS - 11	2482+79	1413 RT	20.0	79.4	GNA[5]	< 69.4	08/22/2018	9	> 6.0	7.0[6]	72.4
PBS - 12	2476+28	1509 RT	20.0	95.8	GNA[5]	< 85.8	08/24/2018	9/37	> 6.0	> 20.0	< 75.8
PBS - 13	2479+85	1304 RT	20.0	85.4	GNA[5]	< 75.4	08/22/2018	9	> 6.0	2.5[6]	82.9
PBS - 14	2478+22	870 RT	20.0	89.5	GNA[5]	< 79.5	08/22/2018	9	> 6.0	> 20.0	< 69.5
PBS - 15	2479+53	517 RT	20.0	82.0	GNA[5]	< 72.0	08/22/2018	37	> 6.0	6.5[6]	75.5
PBS - 16	2477+56	202 RT	20.0	83.5	GNA[5]	< 73.5	08/22/2018	37	> 6.0	> 20.0	< 63.5
PBS - 17	2474+18	368 RT	20.0	88.8	GNA[5]	< 78.8	08/24/2018	37	> 6.0	5.0[6]	83.8
PBS - 18	2470+53	190 RT	20.0	88.6	GNA[5]	< 78.6	08/22/2018	35	> 6.0	2.0[6]	86.6
PBS - 19	2476+86	417 LT	20.0	80.9	GNA[5]	< 70.9	08/24/2018	35	> 6.0	1.5[6]	79.4
PBS - 20	2479+41	579 LT	20.0	86.5	GNA[5]	< 76.5	07/31/2018	9	> 6.0	0.5[6]	86.0
PBS - 21	2479+06	894 LT	20.0	81.2	GNA[5]	<71.2	01/24/2019	9	> 6.0	0.0[6]	81.2
PBS - 22	2486+47	934 LT	20.0	85.5	GNA[5]	< 75.5	01/24/2019	9	> 6.0	>20.0	< 65.5
PBS - 23	2485+16	735 LT	20.0	86.2	GNA[5]	< 76.2	01/24/2019	9/37	> 6.0	12.0[6]	74.2
PBS - 24	2486+39	514 LT	20.0	85.2	GNA[5]	< 75.2	01/24/2019	37	> 6.0	12.0[6]	73.2
PBS - 25	2459+54	166 RT	20.0	101.5	GNA[5]	< 91.5	03/22/2019	37	> 6.0	4.0[6]	97.5
PBS - 26	2463+36	171 RT	20.0	98.9	GNA[5]	< 88.9	03/22/2019	37	> 6.0	4.0[6]	94.9

TABLE 2

Summary of Seasonal High Groundwater Table Estimates for Ponds
I-75 (SR 93) at NE 49th Street PD&E Study from End of NW 49th Street to End of NW 35th Street
Marion County, Florida
FPN: 435209-1-22-01
Tierra Project No: 5511-16-033

Boring Number	Boring Location[1] B/L Survey SR 93		Boring Depth[2]	Ground Surface Elevation NAVD88[1]	Measured GWT		Date Groundwater Table Recorded	USDA Soil Survey		Estimated SHGWT[4]	
	Station (feet)	Offset (feet)	(feet)	(feet)	Depth Below Ground Surface (feet)	Elevation NAVD88 (feet)		Soil Map Unit	SHGWT Depth[3] (feet)	Depth Below Ground Surface (feet)	Elevation NAVD88 (feet)
PBS - 27	2467+27	189 RT	20.0	93.2	GNA[5]	< 83.2	03/22/2019	37	> 6.0	4.0 [6]	89.2
PBS - 28	2468+30	413 RT	20.0	97.1	GNA[5]	< 87.1	01/23/2019	37	> 6.0	8.0[6]	89.1
PBS - 29	2467+04	752 RT	20.0	108.1	GNA[5]	< 98.1	01/23/2019	37	> 6.0	> 20.0	< 88.1
PBS - 30	2471+64	643 RT	20.0	96.0	GNA[5]	< 86.0	01/23/2019	37	> 6.0	2.0[6]	94.0
PBS - 31	2475+88	612 RT	20.0	90.2	GNA[5]	< 80.2	01/24/2019	37	> 6.0	2.0[6]	88.2
PBS - 32	2473+87	975 RT	20.0	95.9	GNA[5]	< 85.9	01/23/2019	37	> 6.0	2.0[6]	93.9
PBS - 33	2487+86	652 RT	20.0	67.5	GNA[5]	< 57.5	02/19/2019	37	> 6.0	6.0	61.5
PBS - 34	2487+13	955 RT	20.0	67.2	GNA[5]	< 57.2	02/19/2019	9	> 6.0	6.0	61.2
PBS - 35	2490+11	910 RT	20.0	67.2	GNA[5]	< 57.2	02/20/2019	9	> 6.0	6.0	61.2
PBS - 36	2490+95	524 RT	20.0	81.5	GNA[5]	< 71.5	02/20/2019	9	> 6.0	> 20.0	< 61.5
PBS - 37	2493+45	221 RT	20.0	82.0	GNA[5]	< 72.0	02/19/2019	9	> 6.0	4.0[6]	78.0
PBS - 38	2493+66	594 RT	20.0	79.7	GNA[5]	< 69.7	02/20/2019	9	> 6.0	16.0[6]	63.7
PBS - 39	2495+42	361 RT	20.0	79.3	GNA[5]	< 69.3	02/19/2019	9	> 6.0	8.0[6]	71.3
PBS - 40	2498+22	244 RT	20.0	70.8	GNA[5]	< 60.8	02/19/2019	9	> 6.0	8.0[6]	62.8

[1] Boring locations (station and offset) and ground elevations provided by Metric.

[2] Depth below existing grades at time of field services.

[3] Seasonal high groundwater table depth reported in the Soil Survey of Marion County, Florida published by the USDA/NRCS.

[4] Seasonal high groundwater table depth estimated based on soil stratigraphy, measured groundwater levels from the borings, the USDA NRCS Soil Survey information, and surrounding topography.

[5] GNA: Groundwater not apparent to a depth of approximately 10 feet due to the introduction of drilling fluid.

[6] Perched seasonal high groundwater table depth estimated based on soil stratigraphy.

TABLE 5
SUMMARY OF HYDRAULIC CONDUCTIVITY TEST RESULTS
I-75 (SR 93) at NW 49th Street PD&E Study from End of NW 49th Street to End of NW 35th Street
Marion County, Florida
FPN: 435209-1-22-01
Tierra Project No.: 5511-16-033

Boring Number	Boring/Test Location[1] Baseline Survey SR 93 (I-75)		Ground Surface Elevation[1] (feet, NAVD 88)	Test Elevation (feet, NAVD 88)	Estimated SHGW Elevation (feet, NAVD 88)	Vertical Hydraulic Conductivity[3] (feet/day)	Horizontal Hydraulic Conductivity[3] (feet/day)	Confining Layer Elevation (feet, NAVD 88)	Effective Porosity (%)
	Station	Offset							
PBS-1	2483+57	919 LT	85.6	84.1	73.6[2]	3	5	81.6	20
PBS-2	2483+67	482 LT	86.4	84.9	80.4[2]	5	8	80.4	20
PBS-3	2488+68	371 LT	85.5	84.0	< 65.5	16	24	75.8	25
PBS-4	2492+37	276 LT	83.8	82.3	80.8[2]	2	3	79.3	20
PBS-5	2490+80	255 RT	82.9	81.4	78.9[2]	5	8	78.9	20
PBS-6	2487+62	422 RT	72.7	71.2	60.7[2]	34	40	60.7	25
PBS-7	2483+43	347 RT	75.7	74.2	63.7[2]	3	5	71.7	20
PBS-8	2485+27	683 RT	67.6	66.1	61.1[2]	4	6	61.1	20
PBS-9	2483+63	1018 RT	74.2	72.7	71.2[2]	2	3	71.2	20
PBS-10	2486+27	1439 RT	82.2	80.7	74.2[2]	2	3	74.2	20
PBS-11	2482+79	1413 RT	79.4	77.9	72.4[2]	4	6	72.4	20
PBS-12	2476+28	1509 RT	95.8	94.3	< 75.8	6	9	91.8	20
PBS-13	2479+85	1304 RT	85.4	83.9	82.9[2]	2	3	83.9	20
PBS-14	2478+22	870 RT	89.5	88.0	< 69.5	4	6	< 69.5	20
PBS-15	2479+53	517 RT	82.0	80.5	75.5[2]	1	2	75.5	20
PBS-16	2477+56	202 RT	83.5	82.0	< 63.5	7	11	< 63.5	25
PBS-17	2474+18	368 RT	88.8	87.3	83.8[2]	2	3	83.8	20
PBS-18	2470+53	190 RT	88.6	87.1	86.6[2]	1	2	87.1	20
PBS-19	2476+86	417 LT	80.9	79.4	79.4[2]	1	2	79.4	20
PBS-20	2479+41	579 LT	86.5	85.0	86.0[2]	3	5	85.0	20
PBS-22	2486+47	934 LT	85.5	80.5	< 65.5	24	36	72.5	25
PBS-24	2486+39	514 LT	85.2	80.2	73.2[2]	40	40	77.2	25
PBS-26	2463+36	171 RT	98.9	93.9	94.9[2]	8	13	93.9	25

TABLE 5
SUMMARY OF HYDRAULIC CONDUCTIVITY TEST RESULTS
I-75 (SR 93) at NW 49th Street PD&E Study from End of NW 49th Street to End of NW 35th Street
Marion County, Florida
FPN: 435209-1-22-01
Tierra Project No.: 5511-16-033

Boring Number	Boring/Test Location[1] Baseline Survey SR 93 (I-75)		Ground Surface Elevation[1] (feet, NAVD 88)	Test Elevation (feet, NAVD 88)	Estimated SHGW Elevation (feet, NAVD 88)	Vertical Hydraulic Conductivity[3] (feet/day)	Horizontal Hydraulic Conductivity[3] (feet/day)	Confining Layer Elevation (feet, NAVD 88)	Effective Porosity (%)
	Station	Offset							
PBS-28	2468+30	413 RT	97.1	95.6	89.1[2]	1	2	95.6	20
PBS-30	2471+64	643 RT	96.0	94.0	94.0[2]	12	18	94.0	25
PBS-32	2473+87	975 RT	95.9	92.9	93.9[2]	1	2	92.9	20
PBS-34	2487+13	955 RT	67.2	62.2	61.2	5	8	55.2	20
PBS-36	2490+95	524 RT	81.5	78.5	< 61.5	15	23	78.5	25
PBS-38	2493+66	594 RT	79.7	75.7	63.7[2]	5	8	73.7	20
PBS-40	2498+22	244 RT	70.8	65.8	62.8[2]	5	8	62.8	20

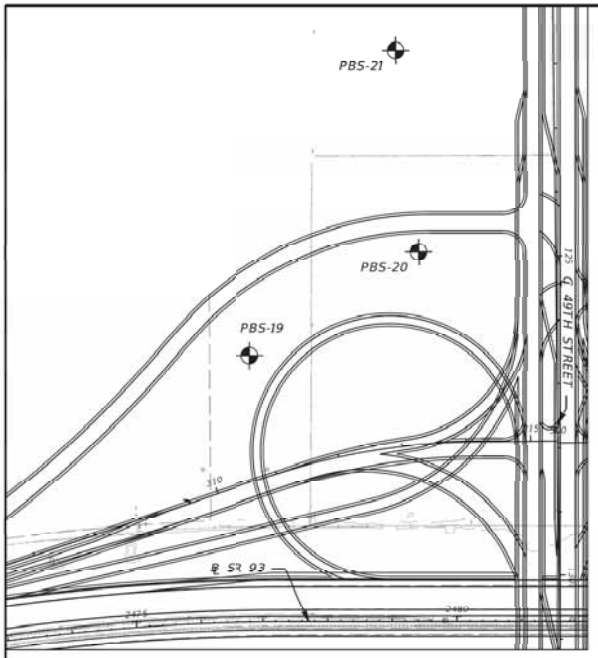
G1-1

Notes:

[1] Station, offset, and elevation of the test borings were determined using the design files provided by Metric, Inc. and GPS coordinates obtained by Tierra, Inc. at the time of fieldwork.

[2] Perched seasonal high groundwater table estimated based on soil stratigraphy.

[3] Measured hydraulic conductivity rates of soils encountered at the time of testing. No reduction or safety factors have been applied to the values. We recommend the pond designer apply the appropriate safety factors to these values.



BORING LOCATION PLAN

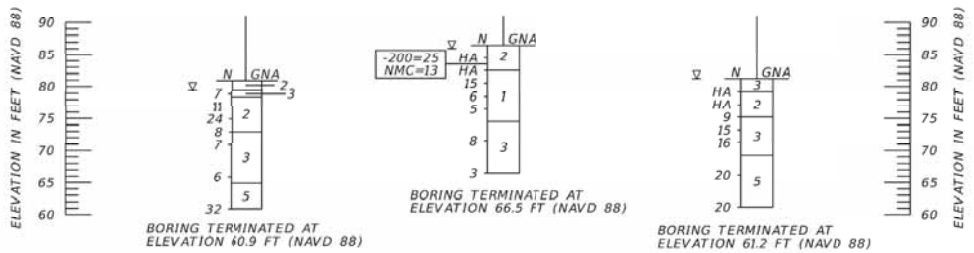
LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
2.	BROWN TO ORANGE-BROWN SILTY SAND TO SLIGHTLY CLAYEY SAND, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-4)
3.	GRAY TO GRAY-BROWN CLAYEY SAND TO SANDY CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-6/A-2-7/A-6/A-7-6)
4.	GRAY SANDY CLAY TO CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-7-5/A-7-6)
5.	LIMESTONE
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
N	NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200 NMC LL PI	PERCENT PASSING #200 SIEVE NATURAL MOISTURE CONTENT (%) LIQUID LIMIT (%) PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
TOO	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)

BOR # PBS-19
STA. 2476+86
REF. ℄ SR 93
OFF. 417 LT
ELEV. 80.9
DATE 8/24/2018
DRILLER J. SMITH
HAMMER AUTOMATIC
RIG D-25

BOR # PBS-20
STA. 2479+41
REF. ℄ SR 93
OFF. 579 LT
ELEV. 85.5
DATE 7/31/2018
DRILLER AJACKSON
HAMMER AUTOMATIC
RIG D-25

BOR # PBS-21
STA. 2479+06
REF. ℄ SR 93
OFF. 894 LT
ELEV. 81.2
DATE 1/24/2019
DRILLER J.SMITH
HAMMER AUTOMATIC
RIG D-25



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

FIGURE 11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEREMY A. SEWELL, P.E.
P.E. LICENSE NUMBER 62951
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
CERTIFICATE OF AUTHORIZATION NO. 6486

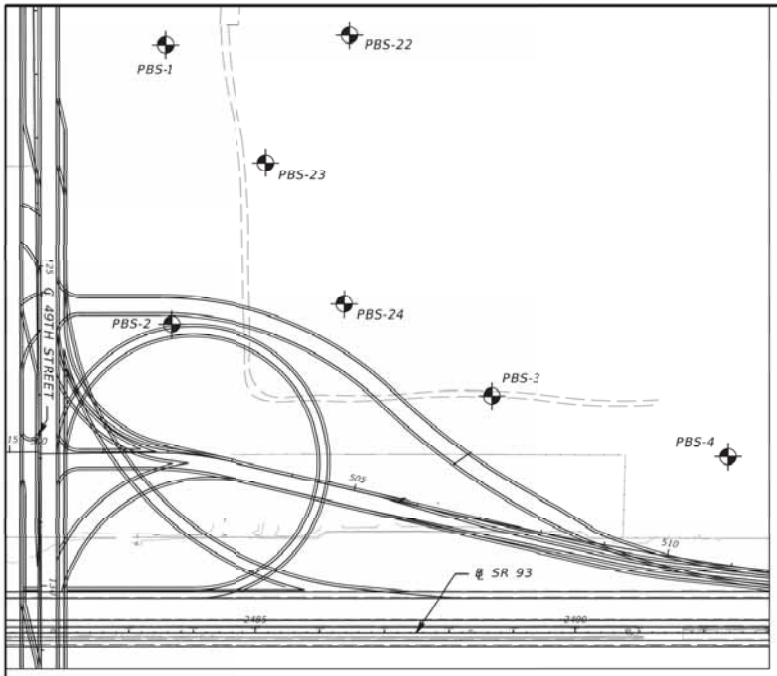
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (1)

SHEET NO. J-10

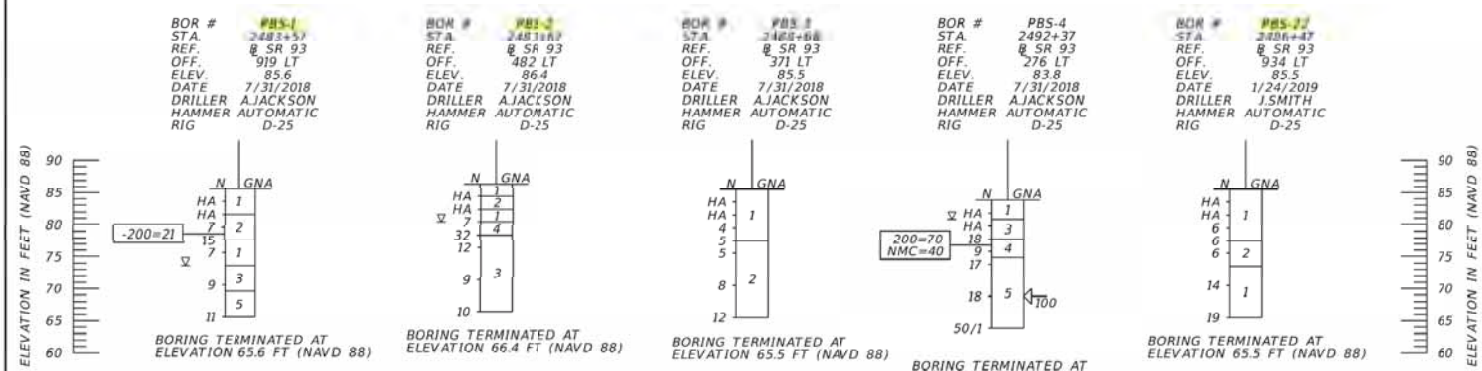
bsawaska 5/30/2019 6:34:43 PM L:\5511\2016\2016 Projects\5511-16-033 175 at 49th PD&E\Microstation\pdgeo01.dgn



BORING LOCATION PLAN

LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
2.	BROWN TO ORANGE-BROWN SILTY SAND TO SLIGHTLY CLAYEY SAND, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-4)
3.	GRAY TO GRAY-BROWN CLAYEY SAND TO SANDY CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-6/A-2-7/A-6/A-7-6)
4.	GRAY SANDY CLAY TO CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-7-5/A-7-6)
5.	LIMESTONE
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
N	NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200	PERCENT PASSING #200 SIEVE
NMC	NATURAL MOISTURE CONTENT (%)
LL	LIQUID LIMIT (%)
PI	PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
100	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

FIGURE 12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEREMY A. SEWELL, P.E.
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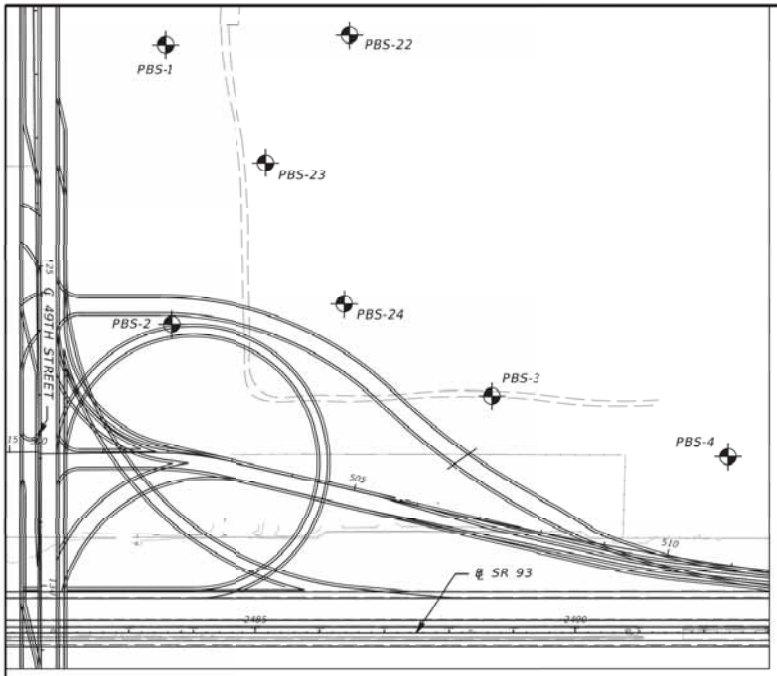
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (2)

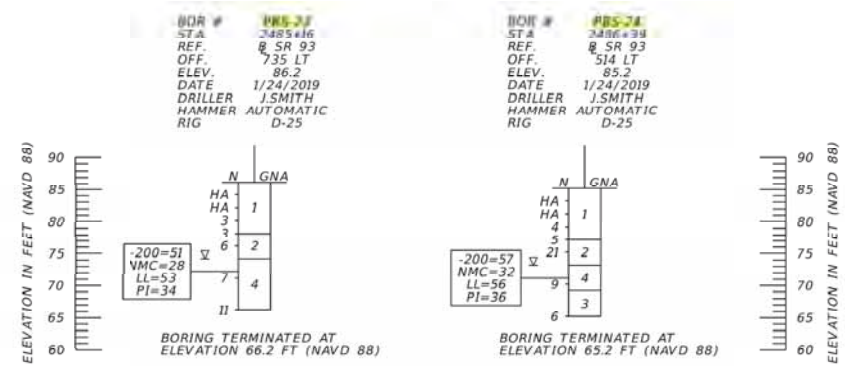
SHEET NO. J-11



BORING LOCATION PLAN

LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
2.	BROWN TO ORANGE-BROWN SILTY SAND TO SLIGHTLY CLAYEY SAND, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-4)
3.	GRAY TO GRAY-BROWN CLAYEY SAND TO SANDY CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-6/A-2-7/A-6/A-7-6)
4.	GRAY SANDY CLAY TO CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-7-5/A-7-6)
5.	LIMESTONE
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
N	NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200	PERCENT PASSING #200 SIEVE
NMC	NATURAL MOISTURE CONTENT (%)
LL	LIQUID LIMIT (%)
PI	PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
TOO	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

FIGURE 13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEREMY A. SEWELL, P.E.
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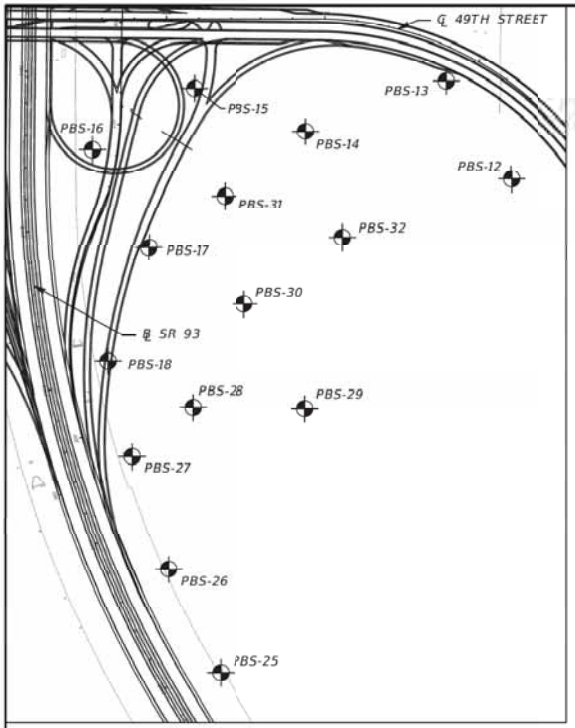
CERTIFICATE OF AUTHORIZATION NO. 6486

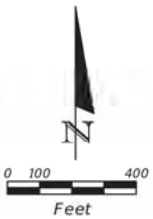
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (3)

SHEET NO. J-12

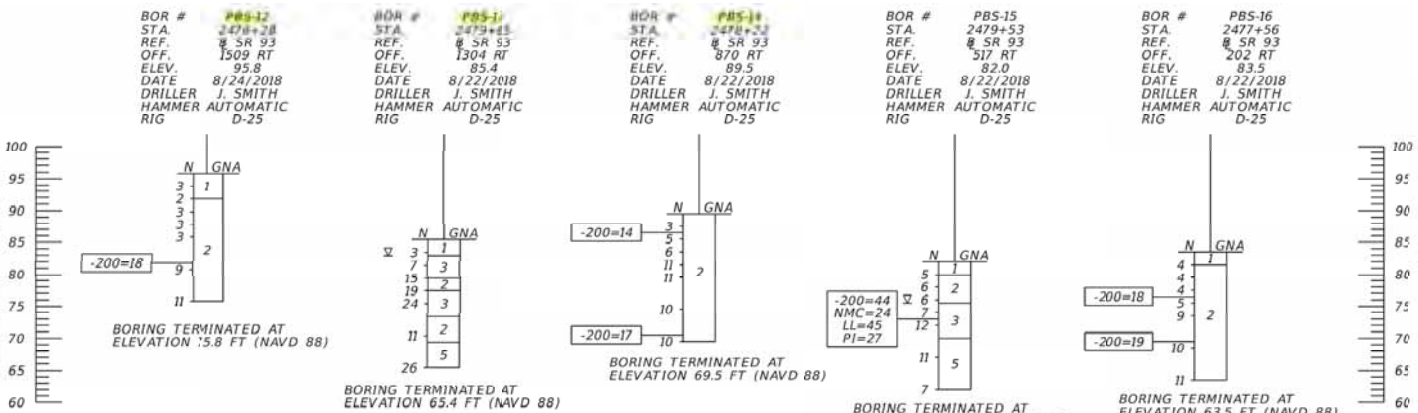




BORING LOCATION PLAN

LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
2.	BROWN TO ORANGE-BROWN SILTY SAND TO SLIGHTLY CLAYEY SAND, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-4)
3.	GRAY TO GRAY-BROWN CLAYEY SAND TO SANDY CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-6/A-2-7/A-6/A-7-6)
4.	GRAY SANDY CLAY TO CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-7-5/A-7-6)
5.	LIMESTONE
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
N	NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200	PERCENT PASSING #200 SIEVE
NMC	NATURAL MOISTURE CONTENT (%)
LL	LIQUID LIMIT (%)
PI	PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
◁100	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

FIGURE 14

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEREMY A. SEWELL, P.E.
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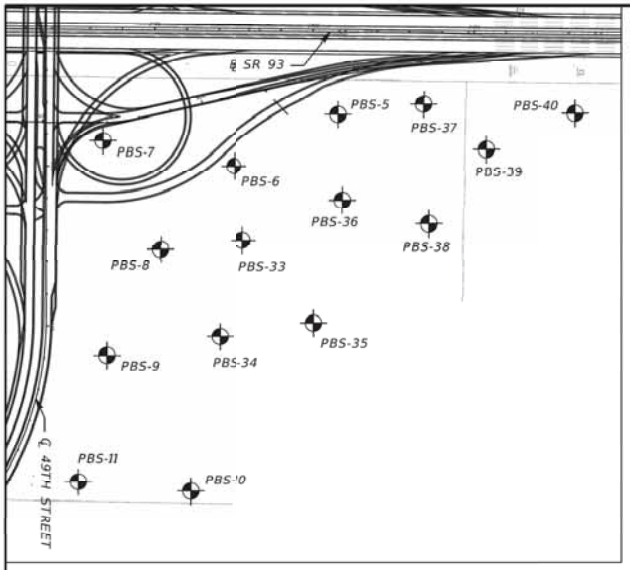
CERTIFICATE OF AUTHORIZATION NO. 6486

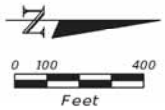
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (4)

SHEET NO. J-13

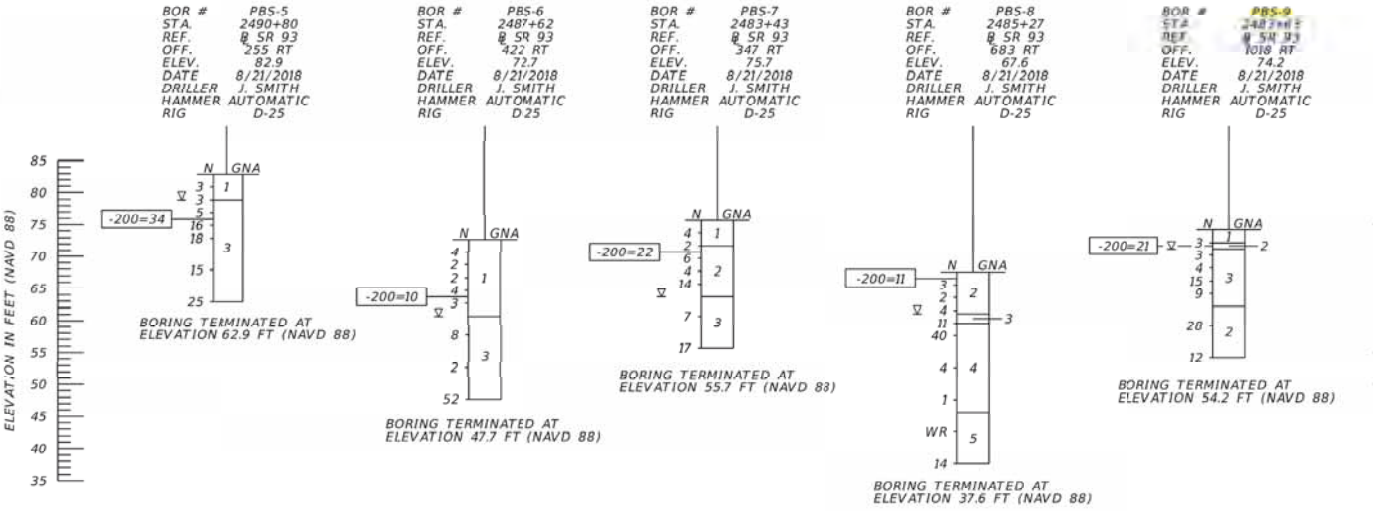




BORING LOCATION PLAN

LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
2.	BROWN TO ORANGE-BROWN SILTY SAND TO SLIGHTLY CLAYEY SAND, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-4)
3.	GRAY TO GRAY-BROWN CLAYEY SAND TO SANDY CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-2-6/A-2-7/A-6/A-7-6)
4.	GRAY SANDY CLAY TO CLAY, OCCASIONALLY WITH LIMESTONE FRAGMENTS (A-7-5/A-7-6)
5.	LIMESTONE
A-3	AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
N	NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200 NMC LL PI	PERCENT PASSING #200 SIEVE NATURAL MOISTURE CONTENT (%) LIQUID LIMIT (%) PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
▽	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
⇦100	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
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VERY DENSE	GREATER THAN 50	GREATER THAN 40
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SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

FIGURE 17

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JEREMY A. SEWELL, P.E.
P.E. LICENSE NUMBER 62951
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
CERTIFICATE OF AUTHORIZATION NO. 6486

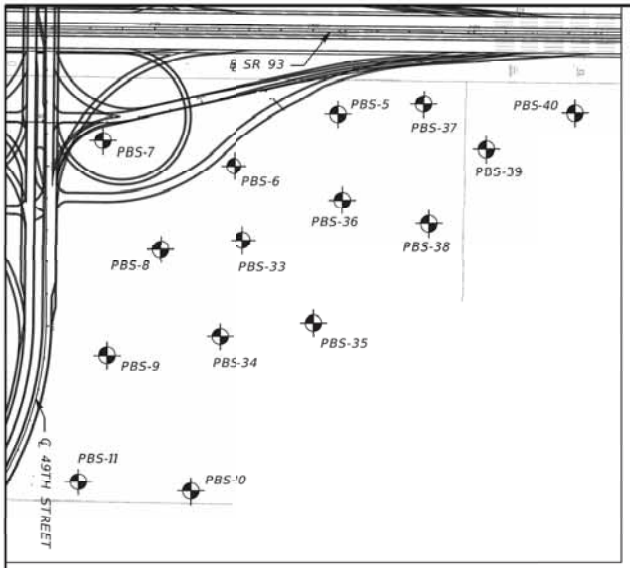
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

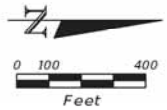
POND SOIL SURVEY (7)

SHEET NO. J-14

bsawaska 5/30/2019 6:34:50 PM L:\5511\2016\2016 Projects\5511-16-033 175 at 49th PD&E\Microstation\pdgeo04_01.dgn



BORING LOCATION PLAN



LEGEND

1.	GRAY TO LIGHT GRAY, AND BROWN TO LIGHT BROWN SAND TO SAND WITH SILT (A-3)
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50/4	NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
HA	HAND AUGERED TO VERIFY UTILITY CLEARANCE
WR	SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD
-200	PERCENT PASSING #200 SIEVE
NMC	NATURAL MOISTURE CONTENT (%)
LL	LIQUID LIMIT (%)
PI	PLASTICITY INDEX (%)
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
	APPROXIMATE SPT BORING LOCATION
	ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
GNA	GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID.
100	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)

BOR # PBS-10
STA. 2486+27
REF. ℄ SR 93
OFF. 1439 RT
ELEV. 82.2
DATE 8/22/2018
DRILLER J. SMITH
HAMMER AUTOMATIC
RIG D-25

-200=90
NMC=46

BORING TERMINATED AT ELEVATION 62.2 FT (NAVD 88)

BOR # PBS-11
STA. 2482+79
REF. ℄ SR 93
OFF. 143 RT
ELEV. 79.4
DATE 8/22/2018
DRILLER J. SMITH
HAMMER AUTOMATIC
RIG D-25

BORING TERMINATED AT ELEVATION 59.4 FT (NAVD 88)

BOR # PBS-33
STA. 2487+86
REF. ℄ SR 93
OFF. 652 RT
ELEV. 67.5
DATE 2/19/2019
DRILLER J.ERICKSON
HAMMER AUTOMATIC
RIG D-25

BORING TERMINATED AT ELEVATION 47.5 FT (NAVD 88)

BOR # PBS-34
STA. 2487+13
REF. ℄ SR 93
OFF. 955 RT
ELEV. 67.2
DATE 2/19/2019
DRILLER J.ERICKSON
HAMMER AUTOMATIC
RIG D-25

BORING TERMINATED AT ELEVATION 47.2 FT (NAVD 88)

BOR # PBS-35
STA. 2490+11
REF. ℄ SR 93
OFF. 910 RT
ELEV. 67.2
DATE 2/20/2019
DRILLER J.ERICKSON
HAMMER AUTOMATIC
RIG D-25

BORING TERMINATED AT ELEVATION 47.2 FT (NAVD 88)

ELEVATION IN FEET (NAVD 88)

	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS- RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
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FIGURE 18

REVISIONS

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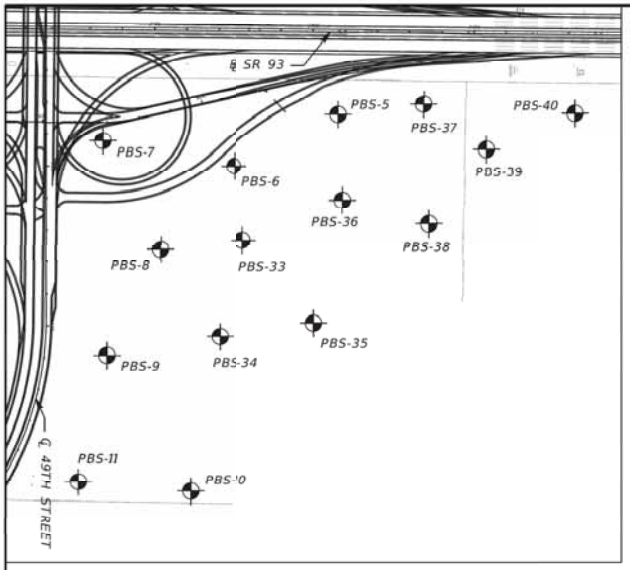
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

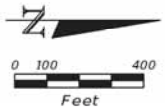
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (8)

SHEET NO. J-15



BORING LOCATION PLAN



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PI	PLASTICITY INDEX (%)
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	APPROXIMATE SPT BORING LOCATION
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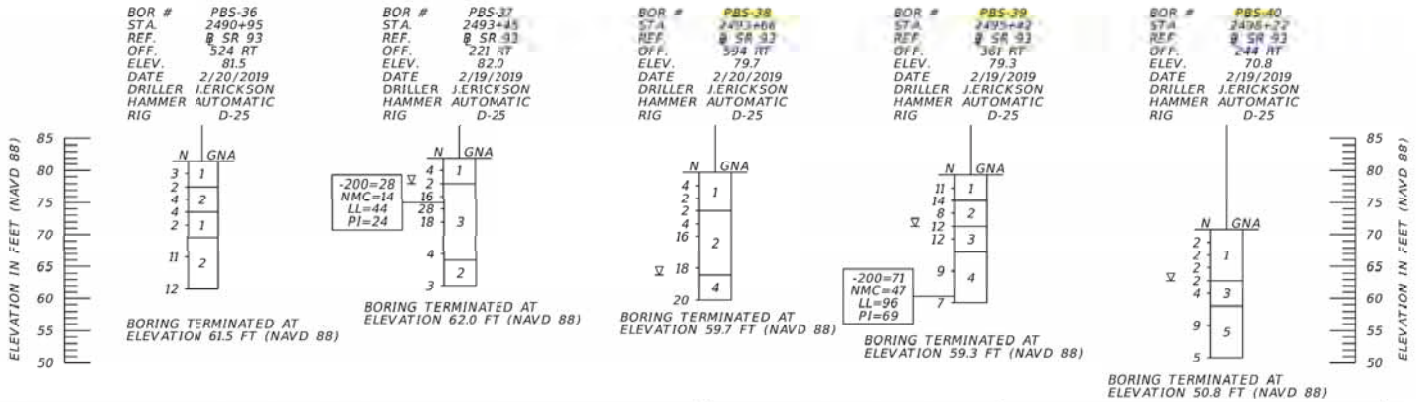
100	LOSS OF CIRCULATION OF DRILLING FLUID (%)
℄ SR 93	BASELINE SURVEY OF SR 93 (I-75)



	SAFETY HAMMER	AUTOMATIC HAMMER
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VERY STIFF	15 to 30	12 to 24
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FIGURE 19

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	MARION	435209-1-22-01

POND SOIL SURVEY (9)

SHEET NO. J-16

bsawaska 5/30/2019 6:34:52 PM L:\5511\2016\2016 Projects\5511-16-033 175 at 49th PD&E\Microstation\pdgeo04_03.dgn

APPENDIX K

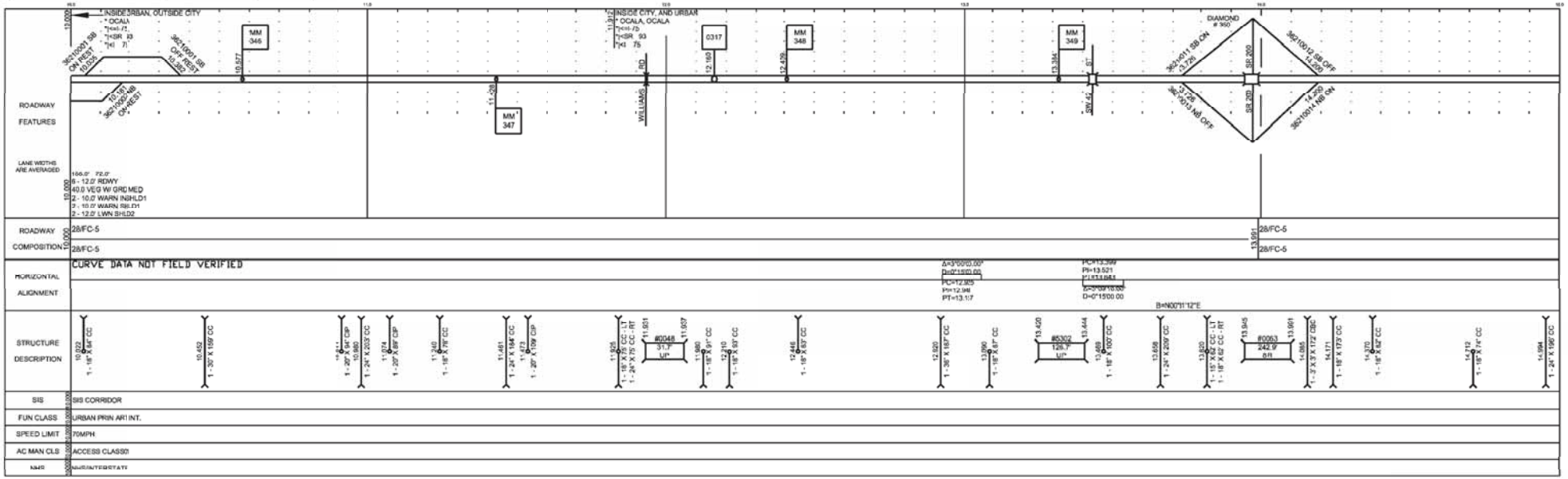
Straight Line Diagram

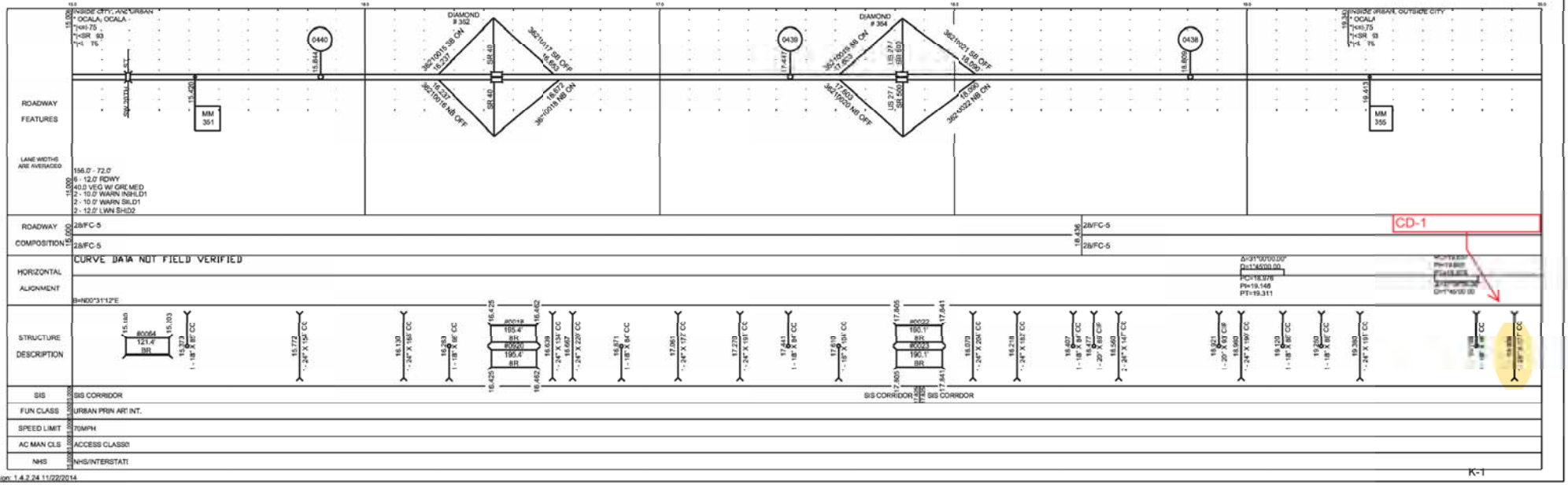
	SYR INV	SLD REV	BMP	EMP	INV	SLD REV
DATE	05/29/2014	06/25/2014	000.000	038.282		12/09/2014 MR
BY	Jim Manzone	Michael Register				

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO.
02	I 75	SR 93	MARION	05	36210000	2 OF 4



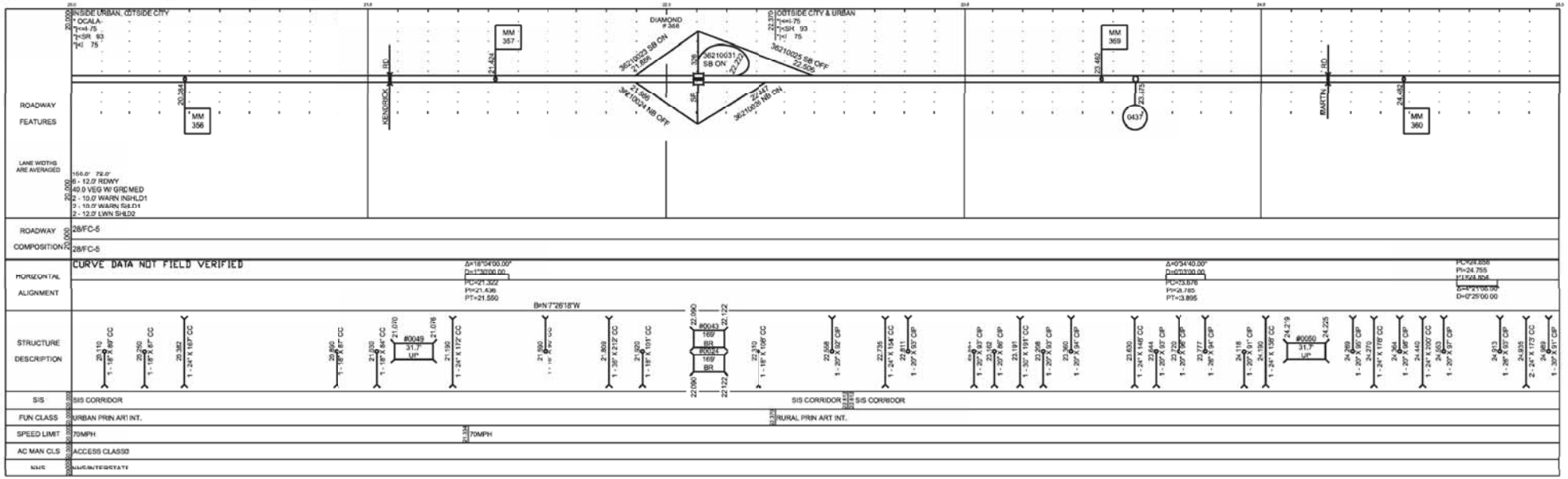


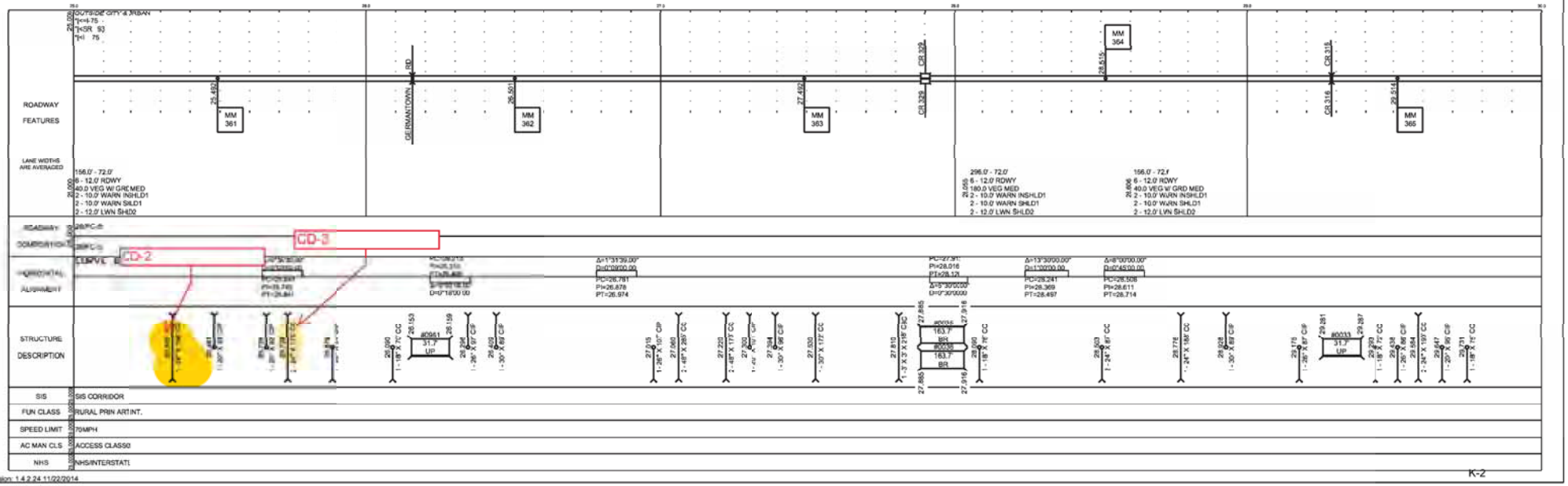
	5 YR INV	SLD REV	BMP	EMP	INV	SLD REV
DATE	05/29/2014	06/25/2014	000.000	038.282		12/09/2014 MR
BY	Jim Manzone	Michael Register				

FLORIDA DEPARTMENT OF TRANSPORTATION

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

SECTION STATUS	INT. or US ROUTE NO.	STATE ROAD NO.	COUNTY	DISTRICT	ROADWAY ID	SHEET NO.
02	I 75	SR 93	MARION	05	36210000	3 OF 4





Version: 1.4.2.24.11/22/2014

APPENDIX L

Meeting Minutes

METRIC ENGINEERING

PD&E Study for the
I-75 & NW 49th Street from end of NW 49th Street to end of NW 35th Street
FPID#: 435209 1 22 01

MINUTES: Environmental Look Around (ELA) Meeting with Marion County

DATE: March 12, 2019 TIME: 8.30 A.M.

LOCATION: Tele-Conference

ATTENDEES:
Chandra Raman, Metric Engineering
Paul Wildman, Guerra Development Corp (GDC)

The purpose of the meeting was to discuss potential regional watershed opportunities. Also, to identify any historic maintenance problems involving drainage or flooding which could affect the viability of the project alternatives and influence the evaluation results.

Marion County was represented by GDC for this ELA Meeting. GDC is the design consultant to Marion County on the N.W. 49th/35th St- Phase 2B project. The proposed FDOT I-75 Interchange project will tie into the Phase 2B project that is currently in design.

The following items were discussed during the teleconference:

1) The county's Phase 2B project is at the 60% stage.
2) The Phase 2B route will go thru the lime rock mine.
3) The Phase 2B project will have a clean break or crest at the north end of the project where the future FDOT project will tie in.
4) All runoff south of the crest will be taken into existing county's dry retention pond. The county already constructed the dry retention pond (DRA B-6) during Phase 2A.
5) County has no other future plans such as regional ponds or join use ponds at the Phase 2C corridor (County regards Phase 2C as future FDOT project).
6) County has an agreement with the mine in regard to the 35th street extension.
7) County has no plan to discharge into the mining pits or use them as stormwater facilities.
8) No stormwater harvesting is being proposed by the county.
9) The county is not aware of any drainage studies in this area.
10) The project is in lime lock area, potential for sink holes.

Project: I-75 at NW 49 Street PD&E Study (FM#435209-1-22-01)
Subject: Progress Meeting
Meeting Date: 8/24/18
Location: FDOT D5

The following table identifies the meeting participants.

Name	Company/Agency	Email
Heather Grubert	FDOT	Heather.Grubert@dot.state.fl.us
David Graeber	FDOT	David.Graeber@dot.state.fl.us
Efren Rivera	FDOT	Efren.Rivera@dot.state.fl.us
Carlos Rodriguez	Metric Engineering	CRodriguez@metriceng.com
Chandra Raman	Metric Engineering	chandra.raman@metriceng.com
Gabriela Garcia	Metric Engineering	ggarcia@metriceng.com

The purpose of this meeting was to discuss status of the project:

- Ms. Grubert introduced Mr. Graeber as the new project manager for the study. The team will copy both Ms. Grubert and Mr. Graeber as they transition.
- Alternatives Public Workshop has been scheduled for February 6, 2019.
- Metric will confirm with Mike Daniels from the TPO if the TPO wants a presentation to the TPO Board prior to or after the Alternatives Public Workshop.
- There is a new review process at the District for the meeting materials. Metric will resubmit all meeting materials.
- The team reviewed the preliminary pond locations as well as potential impacts to the floodplain for each alternative.
- Metric will make sure that the ponds fall outside of the I-75 R/W.
- The ponds should be curvilinear since there is ample R/W to make them more aesthetically pleasing.
- To potentially eliminate ponds on the west side of I-75, Metric will prepare a preliminary technical memorandum to present the feasibility of moving the water from the west side of I-75 to the east side. If ponds are needed west of I-75, locate the ponds on one parcel if possible and as close to I-75 as possible.
- Metric will perform a volumetric analysis. Mr. Rivera stated there is no need for hydraulic calculations.
- Metric will also evaluate the floodplain impacts.
- Mr. Rivera stated that Marion County has been requesting that ponds be constructed shallower than 6 feet. Although these will be FDOT ponds, the team will try to make the ponds as shallow as possible.
- Tierra has already performed structure borings as well as borings for the preliminary ponds. Once selected, they will perform additional borings on the final ponds.

Metric Engineering will rely on these notes as the approved record of matters discussed and conclusions reached during this meeting unless you send the author written notice to the contrary within seven calendar days of receipt date of this meeting record.

Submitted by: Gabriela Garcia, PE
Project Engineer
Metric Engineering, Inc.

CC: All attendees

I-75 & NW 49th Street Interchange

PD&E Coordination

September 3, 2020

Meeting Summary

Attendees:

Kyle Howard – FDOT
Amy Windom – FDOT
Michael Holt – Metric Engineering
Jillian Berbakov – Metric Engineering
Carlos Rodriguez – Metric Engineering
Rob Myers – Metric Engineering
Steven Buck - FDOT
Karen Snyder - FDOT
Casey Lyon - FDOT
Upasana Srivastava - SJRWMD
Gabriela Garcia – Metric Engineering

Meeting began with introductions.

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) Study to plan for a future new interchange on I-75 at NW 49th Street in Marion County. The purpose of this meeting was to discuss the permit requirements and drainage criteria.

Michael Holt gave a brief overview of the project:

- The west side of the interstate is the dividing line between St. John's River Water Management district (SJRWMD) and Southwest Florida Water Management district (SWFWMD).
- Original permit for widening to 6 lanes is 19679-1.
- This area is a closed, or landlocked, basin.
- Pre-development offsite areas on the east flow into floodplain depressional areas.
- Runoff from I-75 generally flows from south to north and is captured/treated in roadside swales.
    - There are 2 permitted weirs associated with cross drains which pop-off to offsite the depressional areas east of I-75.
    - Intent is to maintain existing flow patterns.
    - Pond options on the west side of I-75 will be "brought into" the appropriate basin and maintain discharge to the east.

Discussion of jurisdictional authority due to the water management district divide.

- Since the entire project is not within the SJRWMD boundary, an Interagency Agreement with SWFWMD would be required for SJRWMD to permit the entire project.
    - While separate permits are an option on some projects for the portions of the project within each water management district, in this case the Interagency Agreement was recommended, since the proposed drainage is expected to discharge to the east within SJRWMD jurisdiction.

Discussion of design approach and regulatory criteria.

- There are two Basin Management Action Plans (BMAPs) in the project vicinity containing Priory Focus Area (PFA) mappings.
    - The project is completely out of the Rainbow Springs PFA.
    - The roadway improvements are primarily outside of the Silver Springs PFA. Runoff within the project area flows to depressional areas which lie outside the boundaries of the PFA.
    - SJRWMD concurred that no additional criteria would be required based on being located outside of the PFA boundaries.
- Current approach based on available geotechnical data indicates dry ponds for treatment and attenuation.
- SJRWMD environmental staff was not able to attend the meeting, but a preliminary review of the project area indicates that no environmental concerns are expected.
- SJRWMD stated that for a closed basin, the 25-year/96-hour event is to be used for peak volume and the 25-year/24-hour event is to be used for peak flow rate.
    - If pond has surface discharge, then the volume would be the difference in pre and post runoff volume. If no surface discharge the total storm runoff volume would be used.
    - A PD&E Study considers multiple pond alternatives for planning purposes from a worst case scenario and obtain environmental clearances. The conceptual layout for the alternative pond options being considered were shown. Currently the proposed pond options are expected to pop-off into the existing depressional area and be contained there as in existing conditions. In addition to alternative pond sites, Metric is also examining the potential use of "flood rights" with an FDOT easement for the footprint in the depressional area associated with the increased stage as an option to meet closed basin stormwater criteria.
    - SJRWMD noted that if volume could not be fully attenuated, the FDOT could take advantage of the depressional storage provided it is fully contained within a proposed easement.

Design will proceed following completion of the PD&E Study. Permitting is anticipated to occur mid 2021

Marion County is a partner on this project. They have already permitted the road southeast of the project where this project will tie-in.

Action Items:

SJRWMD will send a link to historic files for the I-95 six laning project (SJRWMD Permit No.19679-1).

Kyle Howard with the FDOT Drainage Design Office will provide any historic files he has located in the FDOT archives that are relevant to the project, and not found in the SJRWMD permit online data.

Record of Telephone Conversation

Date: January 11, 2021

Person Called: Upasana Srivastava (St. Johns River Water Management District)

Phone #: (386) 312-2312

Caller: Michael A. Holt, P.E. (Metric Engineering)

Michael called Upasana to gain clarity on permitting requirements for storms to be evaluated and results required to be shown in permit documentation.

Specifically, it was confirmed that the 25yr/96hr storm should be evaluated for pre-dev/post-dev discharge volume, and the 25yr/24hr storm was required to be evaluated for pre-dev/post-dev discharge rate(s).

As followup, Upasana was asked if recovery calculations were required to be provided for the 25yr/24hr storm. Michael was advised that upon demonstration of appropriate attenuation for the 25yr/96hr storm of the pre-post discharge via standard methodologies (recovery via percolation or stacked storm), the lesser (25yr/24hr) storm was presumed to function adequately.

Upasana was also asked if the "additional" Ocklawaha discharge criteria for the 10yr/24hr storm was required for basins which outfall to landlocked depressional areas with no discharge into receiving waters. She advised that if the 25yr/96hr storm event was used to demonstrate no discharge from the localized depressional areas, the 10yr/24hr discharge criteria was not required to be demonstrated.