8.000	1.4200
8.500	1.6900
9.000	1.9700

Name: M47AVE 6 MH1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD M Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: M47AVE 6 MH2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD M Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: M47AVE 6 MH3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD M Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: M47THAVE1 DM Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD M Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: M6 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: CBWCD M Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.1500
4.000	0.3000
4.500	0.6400
5.000	1.1800
5.500	1.9400
6.000	2.9000
6.500	4.0800
7.000	5.5700
7.500	7.8500
8.000	10.2400
8.500	12.6300
9.000	15.0200

Name: M8 PH1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: CBWCD M Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.4200
6.000	0.6900
6.500	1.5870

7.000	3.1100
7.500	4.9900
8.000	6.8700
8.500	8.7500
9.000	10.6300

Name: N OAKES RET Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.000	1.1700
4.000	2.6700
4.500	3.5400
5.000	4.5000
5.500	5.5400
6.000	6.6700
6.500	7.8300
7.000	8.9900
7.500	10.1600
8.000	11.3200
8.500	12.4900
9.000	13.6500

Name: N RETENTION Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: CBWCD M Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.0800
4.000	0.1700
4.500	0.2700
5.000	0.3700
5.500	0.4900
6.000	0.6200
6.500	0.7500
7.000	0.9100
7.500	1.0800
8.000	1.2500
8.500	1.4200
9.000	1.5900

Name: N1 DN2 Base Flow(cfs): 0.000 Init Stage(ft): -4.000
Group: CBWCD M Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-4.000	0.0000
2.000	0.0001
3.000	0.6000
4.000	1.2600
4.500	1.7400
5.000	2.3400
5.500	3.0600
6.000	3.9000
6.500	4.8000
7.000	5.7000
7.500	6.6000
8.000	7.5000
8.500	8.4000
9.000	9.3000

Name: N1 DN3 Base Flow(cfs): 0.000 Init Stage(ft): -3.900
Group: CBWCD M Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-3.900	0.0000
7.000	0.0001

Name: N10 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
7.000	0.0010
7.500	0.5000
8.000	2.2700
8.500	5.1000
9.000	8.1900

Name: N15 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

GOLD COAST INDUSTRIAL PARK
OUTFALL 24" PIPE 60 LF W/ 36" WEIR AT EL 6.55' AND 3" BLEEDER @ EL 3.0' NGVD

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.1000
4.000	0.1200
4.500	0.1600
5.000	0.2400
5.500	0.3200
6.000	1.0800
6.500	2.2000
7.000	3.5000
7.500	4.9500
8.000	6.5800

Name: N15A Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0200
4.500	0.1200
5.000	0.4200
5.500	0.9500
6.000	1.7600
6.500	2.7000
7.000	3.6500
7.500	4.5900
8.000	5.5400
8.500	6.4800
9.000	7.4300

Name: N17 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.2000
4.500	0.4000

5.000	0.6000
5.500	0.8900
6.000	1.3500
6.500	2.1300
7.000	3.3900
7.500	5.1100
8.000	7.0700
8.500	9.0300
9.000	10.9900

Name: N2 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.5000
5.000	1.0000
5.500	1.6200
6.000	2.4900
6.500	3.8100
7.000	5.6900
7.500	8.0100
8.000	10.5400

Name: N20 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.1300
5.000	1.2000
5.500	3.3700
6.000	6.6800
6.500	10.5700
7.000	14.4500
7.500	18.3400
8.000	22.2200
8.500	26.1100
9.000	29.9900

Name: N21 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.0900
5.000	0.3000
5.500	0.9500
6.000	2.3000
6.500	3.9700
7.000	5.6400
7.500	7.3100
8.000	8.9800
8.500	10.6500
9.000	12.3200

Name: N22 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)

3.000	0.0000
5.000	0.3300
5.500	0.3400
6.000	0.3600
6.500	0.5800
7.000	1.1800
7.500	1.9600
8.000	2.7600
8.500	3.5500
9.000	4.3500

Name: N23 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.5000
6.000	0.8500
6.500	1.9100
7.000	3.6700
7.500	5.7900
8.000	7.9000
8.500	10.0200
9.000	12.1300

Name: N24 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.5000
7.000	0.5010
7.500	0.5500
8.000	0.8400
8.500	1.6700
9.000	2.7500
9.500	5.4500
10.000	8.1000
10.500	11.0100
11.000	13.9300
11.500	16.8400
12.000	19.7600

Name: N24A Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.4000
6.500	0.4100
7.000	0.6100
7.500	1.2600
8.000	2.3300
8.500	3.5300
9.000	5.7600

Name: N25 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)

3.000	0.0000
5.000	0.5100
5.500	2.0200
6.000	4.0400
6.500	6.0600
7.000	8.0800
7.500	10.1000
8.000	12.1200
8.500	14.1400
9.000	16.1600

Name: N26 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.3000
5.500	1.2100
6.000	2.4100
6.500	3.6200
7.000	4.8200
7.500	6.0300
8.000	7.2300
8.500	8.4400
9.000	9.6400

Name: N27 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.5300
5.500	3.0700
6.000	7.8200
6.500	12.8000
7.000	17.7800
7.500	22.7600
8.000	27.7400
8.500	32.7200
9.000	37.7000

Name: N30 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.0800
5.500	0.4700
6.000	1.4000
6.500	2.8500
7.000	4.8000
7.500	7.1700
8.000	9.7700
8.500	12.3600
9.000	14.9600

Name: N441 RET Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)

3.000	0.0000
4.500	0.0600
5.000	0.1300
5.500	0.2100
6.000	0.3100
6.500	0.4300
7.000	0.5600
7.500	0.6900
8.000	0.8300
8.500	0.9600
9.000	1.1000

Name: N441SWALE1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
3.000	0.0000
6.000	0.0000

Name: N441SWALE2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
2.000	0.0000
6.000	0.0000

Name: N441SWALE3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
2.000	0.0000
6.000	0.0000

Name: N46 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.4100
5.500	0.4400
6.000	0.4700
6.500	0.5000
7.000	0.6100
7.500	0.9400
8.000	1.4800
8.500	2.0800
9.000	2.6800

Name: N47 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.0300
5.000	0.1000

5.500	0.2300
6.000	0.4000
6.500	0.7000
7.000	1.2000
7.500	1.8000
8.000	2.4000
8.500	3.0000
9.000	3.6000

Name: NB-DITCH3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
3.000	0.0001
3.400	0.0100
3.500	0.3400
4.600	0.4540
6.600	0.6900

Name: NDITCH1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NDITCH2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NDITCH3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NDITCH4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NDITCH5 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NDITCH6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

```
      Stage(ft)        Area(ac)
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-------------------------------------------------------------------------------------------
      Name: NDITCH7             Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
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-------------------------------------------------------------------------------------------
      Name: NDITCH8             Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: NDITCH9             Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          3.000          0.0000
          6.000          0.0000

-------------------------------------------------------------------------------------------
      Name: NODE EAST 1         Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: TINDALL                                           Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          0.000          0.0000
          7.500          0.0001

-------------------------------------------------------------------------------------------
      Name: NODE EAST 2         Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: TINDALL                                           Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          2.000          0.0000
          7.000          0.0001

-------------------------------------------------------------------------------------------
      Name: NODE WEST           Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: TINDALL                                           Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00         999.000
         100.00         999.000

-------------------------------------------------------------------------------------------
      Name: NorthEnd 1          Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: Broward                                           Warn Stage(ft): 0.000
      Type: Stage/Volume


      Stage(ft)      Volume(af)
```

3.000	0.0000
4.000	1.4200
5.000	3.1000
6.000	5.4700
6.500	8.1900
7.000	13.0700
8.000	29.3200
9.000	53.6800

Name: NorthEnd 2 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
4.000	0.0000
4.500	0.0300
5.000	0.1200
6.000	0.6600
6.500	1.5000
7.000	2.7600
8.000	5.7300
9.000	8.6900

Name: NorthEnd 3 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
4.000	0.0000
5.000	0.0500
6.000	0.9500
6.500	1.9900
7.000	3.4200
8.000	6.6700
9.000	9.9200

Name: OAKES 1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.660	0.0010
6.000	0.1000
6.500	0.2500
7.000	0.6400
7.500	1.2200
8.000	1.8700
8.500	2.5300
9.000	3.1900

Name: OAKES 2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
4.500	0.0100
6.000	0.0500
6.500	0.3200
7.000	0.7700
7.500	1.2500
8.000	1.7200

8.500	2.2000
9.000	2.6700

Name: OAKES 3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0200
5.500	0.2100
6.000	0.5600
6.500	0.9500
7.000	1.3300
7.500	1.7200
8.000	2.1000
8.500	2.4900
9.000	2.8700

Name: OAKES 4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0300
5.500	0.2400
6.000	0.6700
6.500	1.1700
7.000	1.6800
7.500	2.1900
8.000	2.7000
8.500	3.2100
9.000	3.7200

Name: OAKES 6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0400
5.500	0.2400
6.000	0.6600
6.500	1.1400
7.000	1.6200
7.500	2.1000
8.000	2.5800
8.500	3.0600
9.000	3.5400

Name: OAKES MH1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: OAKES MH2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: OAKES MH3 | Base Flow(cfs): 0.000 | Init Stage(ft): 2.000
Group: BASE | Plunge Factor: 1.00 | Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: OAKES SWALE | Base Flow(cfs): 0.000 | Init Stage(ft): 2.000
Group: BASE | Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
4.500	0.0100
5.000	0.0500
5.500	0.1200
6.000	0.2100
6.500	0.3200
7.000	0.4200
7.500	0.5300
8.000	0.6300
8.500	0.7400
9.000	0.8400

Name: OLD84 | Base Flow(cfs): 0.000 | Init Stage(ft): 3.000
Group: BASE | Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
6.500	0.1000
7.000	0.3900
7.500	0.8700
8.000	1.6500
8.500	2.8300
9.000	4.4100

Name: ORANGE DR | Base Flow(cfs): 0.000 | Init Stage(ft): 3.000
Group: CBWCD M | Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
3.000	0.0000
3.500	0.4300
4.000	0.9000
4.500	1.4300
5.000	2.0000
5.500	2.6300
6.000	3.8100
6.500	6.0400
7.000	8.6300
7.500	11.2100
8.000	13.8000
8.500	16.3800
9.000	18.9700

Name: OUTFALL | Base Flow(cfs): 0.000 | Init Stage(ft): 3.000
Group: BASE | Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	3.000
100.00	3.000

Name: POND 7-2A/9 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
2.000	0.0000
5.100	0.5800
5.800	0.7600
7.000	1.2800

Name: POND 7-2A/B Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: POND 7-2C/6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.0010
7.500	0.0100

Name: SPUR Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
6.000	0.0300
6.500	0.1100
7.000	0.2500
7.500	0.4500
8.000	0.7000
8.500	1.0000
9.000	1.3700
9.500	1.8500
10.000	2.7000
10.500	3.6700
11.000	4.6400

Name: THISCD KEEN Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0500
5.500	0.3000
6.000	1.4100
6.500	3.2200
7.000	5.2400
7.500	7.2600

8.000	9.2800
8.500	11.3000
9.000	13.3200

Name: THISCD LAKE Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.000	14.4200
3.500	22.0000
4.000	29.8500
4.500	37.9400
5.000	46.2900
5.500	54.8900
6.000	63.7400
6.500	72.7200
7.000	81.7000
7.500	90.6800
8.000	99.6600
9.000	118.1200

Name: THISCD OAKES2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0900
5.500	0.5100
6.000	1.3400
6.500	2.3200
7.000	3.3000
7.500	4.2800
8.000	5.2600
8.500	6.2400
9.000	7.2200

Name: W 34WAY Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.1300
6.000	0.5200
6.500	1.0300
7.000	1.5500
7.500	2.0600
8.000	2.5800
8.500	3.0900
9.000	3.6100

Name: W SPUR Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.0800
5.500	0.3200
6.000	0.7100
6.500	1.2600

7.000	1.9700
7.500	2.8400
8.000	3.8600
8.500	5.0400
9.000	6.3800

Name: W28 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0900
4.500	0.3500
5.000	0.7900
5.500	1.4000
6.000	6.4700
6.500	20.2800
7.000	38.4500
7.500	56.6300
8.000	74.8000
8.500	92.9800
9.000	111.1500

Name: W33 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.0500
4.000	0.2100
4.500	0.4700
5.000	0.8300
5.500	2.1500
6.000	5.2900
6.500	9.3300
7.000	13.3700
7.500	17.4100
8.000	21.4500
8.500	25.4900
9.000	29.5300

Name: W34 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0200
4.500	0.0600
5.000	0.1500
5.500	0.2500
6.000	0.3800
6.500	0.6900
7.000	1.3700
7.500	2.4300
8.000	3.8600
8.500	5.4700
9.000	7.0900

Name: W35 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0300
4.500	0.1300
5.000	0.4900
5.500	0.8300
6.000	1.4100
6.500	2.0200
7.000	2.6400
7.500	3.2500
8.000	3.8700
8.500	4.4800
9.000	5.1000

Name: W36 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.3000
6.000	0.3200
6.500	0.3600
7.000	0.7600
7.500	1.3700
8.000	2.0000
8.500	2.6300
9.000	3.2600

Name: W48 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.5500
4.000	1.6600
4.500	2.7600
5.000	3.8700
5.500	5.0300
6.000	6.3000
6.500	7.6800
7.000	9.1800
7.500	10.7900
8.000	12.5900
8.500	15.0700
9.000	18.2700

Name: W49 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.0400
4.000	0.1500
4.500	0.3400
5.000	0.5600
5.500	0.7900
6.000	1.0100
6.500	1.2400
7.000	1.6500
7.500	2.4400
8.000	3.6000
8.500	5.1400
9.000	7.8900

Name: W5 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.2500
5.500	0.5000
6.000	2.9000
6.500	8.9700
7.000	16.8800
7.500	24.7900
8.000	32.7000
8.500	40.6100
9.000	48.5200

Name: W5A Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.2700
6.000	0.9200
6.500	2.5700
7.000	4.7200
7.500	6.8700
8.000	9.0200
8.500	11.1700
9.000	13.3100

Name: W7 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
4.500	0.7400
5.000	1.1300
5.500	1.5200
6.000	1.9100
6.500	2.8800
7.000	5.1700
7.500	8.3300
8.000	11.5300
8.500	14.7400
9.000	17.9400

Name: W7 FDOT MH Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: W8 LAKE Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000

3.000	2.8200
3.500	4.3000
4.000	5.8100
4.500	7.3700
5.000	8.9700
5.500	10.6000
6.000	12.2400
6.500	13.8800
7.000	15.5200
7.500	17.1600
8.000	18.8000
9.000	22.0800

Name: W8 PH2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.500	0.6800
4.000	0.8500
4.500	1.0200
5.000	1.1900
5.500	1.3600
6.000	1.5300
6.500	3.4000
7.000	8.9900
7.500	16.6100
8.000	24.5500
8.500	32.4000
9.000	40.4300

Name: W8 PH3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.5000
4.500	2.0100
5.000	4.5100
5.500	8.0200
6.000	12.0300
6.500	16.0400
7.000	20.0500
7.500	24.0600
8.000	28.0700
8.500	32.0800
9.000	36.0900

Name: W9 FPL Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	1.0800
5.000	2.2700
5.500	3.5400
6.000	4.9200
6.500	6.4100
7.000	8.0200
7.500	9.7000
8.000	11.3900
8.500	13.0900
9.000	14.7800

==========

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

Name: 24 NDITCH6 SEC Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	7.000	0.090000
10.000	7.500	0.090000

Name: 47TH AVE 12 SEC Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.650	0.000000
22.000	6.100	0.000000

Name: 47TH AVE 23 SEC Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.500	0.000000
22.000	5.950	0.000000

Name: 47TH AVE 34 SEC Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.550	0.000000
22.000	6.100	0.000000

Name: 47TH AVE 45 SEC Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.600	0.000000
22.000	6.150	0.000000

Name: 47TH AVE 56 SEC Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.500	0.000000
22.000	6.000	0.000000

Name: 47THAVE 6 TO OA Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.600	0.000000
22.000	6.050	0.000000

Name: BURRIS 12 SECTI Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.360	0.000000
12.000	5.600	0.000000

Name: BURRIS 23 SECTI Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	6.930	0.000000
12.000	7.170	0.000000

Name: BURRIS 34 SECTI Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	9.160	0.000000
12.000	9.500	0.000000

Name: N1 SECTION Group: CBWCD M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.000	0.050000
10.000	-4.000	0.050000
15.000	-4.000	0.050000
25.000	5.000	0.050000

Name: N20 DITCH2 Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	4.500	0.090000
10.000	5.000	0.090000

Name: N20-BURRIS SECT Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	4.850	0.000000
20.000	5.100	0.000000

Name: N21 BURRIS2 SEC Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.100	0.000000
20.000	5.250	0.000000

Name: N21 DITCH3 Group: BASE

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.500	0.090000
10.000	6.000	0.090000

Name: N23 DITCH5 SEC Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.500	0.090000
10.000	6.000	0.090000

Name: N441 SWALE Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	6.000	0.040000
10.000	4.000	0.040000
22.000	4.000	0.040000
32.000	6.000	0.040000

Name: NORTH DITCH SEC Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	4.000	0.090000
4.000	2.000	0.090000
16.000	2.000	0.090000
20.000	4.000	0.090000

Name: OAKES 12 SECTIO Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	6.470	0.000000
12.000	6.710	0.000000

Name: OAKES 23 SECTIO Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	6.000	0.000000
12.000	6.250	0.000000

Name: OAKES 34 SECTIO Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	5.790	0.000000
12.000	6.030	0.000000

```
              Name: OAKES5 TO OAKES              Group: CBWCD M
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000           5.050        0.000000
         22.000           5.500        0.000000

-----------------------------------------------------------------
              Name: OLD84 BURRIS RT              Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000           8.000        0.000000
         12.000           9.000        0.000000

-----------------------------------------------------------------
              Name: SPUR BURRIS RET              Group: BASE
      Encroachment: No


    Station(ft)   Elevation(ft)     Manning's N
--------------- --------------- ---------------
          0.000           7.500        0.000000
         24.000           8.500        0.000000

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

      Name:                        Group: BASE
      Type: Bottom Clip
  Function: Time vs. Depth of Clip


      Time(hrs)  Clip Depth(in)
--------------- ---------------

==============================================================================
==== Pipes ===================================================================
==============================================================================

         Name:                      From Node:                    Length(ft): 0.00
        Group: BASE                   To Node:                         Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 0.00           0.00                         Entrance Loss Coef: 0.00
     Rise(in): 0.00           0.00                             Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                            Bend Loss Coef: 0.00
  Manning's N: 0.000000       0.000000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


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

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


-------------------------------------------------------------------------------------------------
         Name:                      From Node:                    Length(ft): 0.00
        Group: BASE                   To Node:                         Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 0.00           0.00                         Entrance Loss Coef: 0.00
     Rise(in): 0.00           0.00                             Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                            Bend Loss Coef: 0.00
```

```
 Manning's N: 0.000000       0.000000                    Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: 4X4 CULVERT         From Node: NODE EAST 2        Length(ft): 340.00
       Group: TINDALL               To Node: NODE WEST               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
    Geometry: Rectangular    Rectangular                               Flow: Both
    Span(in): 48.00          48.00                         Entrance Loss Coef: 0.50
    Rise(in): 48.00          48.00                             Exit Loss Coef: 1.00
  Invert(ft): 0.380          -0.170                            Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                        Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------
        Name: 60" Culvert         From Node: POND 7-2A/B        Length(ft): 140.00
       Group: TINDALL               To Node: POND 7-2C/6             Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                                  Flow: Both
    Span(in): 60.00          60.00                         Entrance Loss Coef: 0.50
    Rise(in): 60.00          60.00                             Exit Loss Coef: 1.00
  Invert(ft): 0.130          0.190                             Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                        Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: 60X38-2             From Node: EN-7/327           Length(ft): 514.00
       Group: TINDALL               To Node: EN-7/326                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
    Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
    Span(in): 60.00          60.00                         Entrance Loss Coef: 0.50
    Rise(in): 38.00          38.00                             Exit Loss Coef: 1.00
  Invert(ft): 0.040          0.040                             Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                        Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

```
-----------------------------------------------------------------------------------------------
        Name: 60X38-3            From Node: EN-7/326          Length(ft): 514.00
       Group: TINDALL              To Node: EN-7/320                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
    Span(in): 60.00          60.00                      Entrance Loss Coef: 0.50
    Rise(in): 38.00          38.00                          Exit Loss Coef: 1.00
  Invert(ft): 0.040          0.040                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
        Name: 66" Culvert        From Node: NODE EAST 1       Length(ft): 435.00
       Group: TINDALL              To Node: POND 7-2A/9             Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                                Flow: Both
    Span(in): 66.00          66.00                      Entrance Loss Coef: 0.50
    Rise(in): 66.00          66.00                          Exit Loss Coef: 1.00
  Invert(ft): -0.550         3.050                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: BURRIS 441 RET     From Node: BURRIS RET        Length(ft): 25.00
       Group: BASE                 To Node: N441 RET                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                                Flow: Both
    Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
    Rise(in): 18.00          18.00                          Exit Loss Coef: 1.00
  Invert(ft): 5.000          5.000                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: M42 LAKE           From Node: M42               Length(ft): 96.00
       Group: CBWCD M              To Node: M42 LAKE                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                                Flow: Both
    Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
    Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
```

```
   Invert(ft): 0.000          -0.140                        Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: M42A 47TH          From Node: M42A                Length(ft): 110.00
        Group: CBWCD M              To Node: M47THAVE1 DM            Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 21.00          21.00                        Entrance Loss Coef: 0.50
     Rise(in): 21.00          21.00                            Exit Loss Coef: 1.00
   Invert(ft): -0.800         -0.800                           Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: M47AVE M12         From Node: M47AVE 6 MH2        Length(ft): 62.00
        Group: CBWCD M              To Node: M47AVE 6 MH1            Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 21.00          21.00                        Entrance Loss Coef: 0.50
     Rise(in): 21.00          21.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.300          0.300                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: M47AVE M23         From Node: M47AVE 6 MH3        Length(ft): 300.00
        Group: CBWCD M              To Node: M47AVE 6 MH2            Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.300          0.300                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Square edge w/ headwall

```
         Name: M47AVE MH3 6        From Node: M47AVE 6          Length(ft): 100.00
        Group: CBWCD M               To Node: M47AVE 6 MH3           Count: 1
                                                        Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                   Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                       Exit Loss Coef: 1.00
   Invert(ft): 1.000          1.000                       Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None
```

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

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

```
         Name: M47TH N1            From Node: M47THAVE1 DM      Length(ft): 323.00
        Group: CBWCD M               To Node: N1 DN2                 Count: 1
                                                        Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 21.00          21.00                   Entrance Loss Coef: 0.50
     Rise(in): 21.00          21.00                       Exit Loss Coef: 1.00
   Invert(ft): -0.810         -1.300                      Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None
```

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

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

```
         Name: M47TH1 N1           From Node: M47AVE 1          Length(ft): 15.00
        Group: CBWCD M               To Node: M47THAVE1 DM           Count: 2
                                                        Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 15.00          15.00                   Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                       Exit Loss Coef: 1.00
   Invert(ft): -0.500         -0.500                      Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None
```

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

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

```
         Name: OAKES W7MH          From Node: THISCD OAKES2     Length(ft): 380.00
        Group: TINDALL               To Node: W7 FDOT MH             Count: 1
                                                        Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                   Entrance Loss Coef: 0.50
```

```
     Rise(in): 24.00          24.00                        Exit Loss Coef: 1.00
   Invert(ft): 1.000          1.000                        Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: ORANGE C11 P1       From Node: ORANGE DR          Length(ft): 125.00
        Group: CBWCD M               To Node: C11                     Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: ORANGE C11 P2       From Node: ORANGE DR          Length(ft): 125.00
        Group: CBWCD M               To Node: C11                     Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P 36 RCP            From Node: CULVERT MH7        Length(ft): 160.00
        Group: CBWCD M               To Node: CULVERT MH6             Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.810          0.000                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


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

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

```
         Name: P 42 RCP            From Node: CULVERT MH6        Length(ft): 235.00
        Group: CBWCD M               To Node: CULVERT MH5             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): -0.500         -0.500                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

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

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

```
         Name: P 48 RCP            From Node: CULVERT MH5        Length(ft): 280.00
        Group: CBWCD M               To Node: CULVERT MH4             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 1.00
   Invert(ft): -1.000         -1.000                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

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

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

```
         Name: P 60 RCP            From Node: CULVERT MH4        Length(ft): 395.00
        Group: CBWCD M               To Node: CULVERT MH3             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                           Exit Loss Coef: 1.00
   Invert(ft): -2.370         -2.080                          Bend Loss Coef: 0.70
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

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

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

```
         Name: P 60X38-1           From Node: EN-7/320           Length(ft): 1075.00
        Group: TINDALL               To Node: NODE EAST 2             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
```

```
     Span(in): 60.00          60.00                    Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                        Exit Loss Coef: 1.00
   Invert(ft): 0.040          0.040                        Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: P 72 RCP            From Node: CULVERT MH3        Length(ft): 700.00
        Group: CBWCD M               To Node: M CULVERT MH3A          Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 72.00          72.00                        Entrance Loss Coef: 0.50
     Rise(in): 72.00          72.00                            Exit Loss Coef: 1.00
   Invert(ft): -2.500         -2.500                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P 72 RCP CTA        From Node: M CULVERT MH3A     Length(ft): 633.00
        Group: CBWCD M               To Node: CULVERT MH2             Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 72.00          72.00                        Entrance Loss Coef: 0.50
     Rise(in): 72.00          72.00                            Exit Loss Coef: 1.00
   Invert(ft): -2.200         -2.500                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P BURRIS 23         From Node: BURRIS 2           Length(ft): 1035.00
        Group: BASE                  To Node: BURRIS 3                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                            Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


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

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

```
-----------------------------------------------------------------------------------------------
        Name: P BURRIS 34          From Node: BURRIS 3          Length(ft): 665.00
       Group: BASE                   To Node: BURRIS 4                Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                               Flow: Both
    Span(in): 24.00           24.00                      Entrance Loss Coef: 0.50
    Rise(in): 24.00           24.00                          Exit Loss Coef: 1.00
  Invert(ft): 0.000           -0.500                         Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                       Stabilizer Option: None
```

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

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

```
-----------------------------------------------------------------------------------------------
        Name: P BURRIS 4 RET       From Node: BURRIS 4          Length(ft): 60.00
       Group: BASE                   To Node: BURRIS RET              Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                               Flow: Both
    Span(in): 24.00           24.00                      Entrance Loss Coef: 0.50
    Rise(in): 24.00           24.00                          Exit Loss Coef: 1.00
  Invert(ft): -0.500          -0.500                         Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                       Stabilizer Option: None
```

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

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

```
-----------------------------------------------------------------------------------------------
        Name: P BURRIS12           From Node: BURRIS 1          Length(ft): 900.00
       Group: BASE                   To Node: BURRIS 2                Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM                 Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                               Flow: Both
    Span(in): 18.00           18.00                      Entrance Loss Coef: 0.50
    Rise(in): 18.00           18.00                          Exit Loss Coef: 1.00
  Invert(ft): 0.000           0.000                          Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                     Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                         Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                       Stabilizer Option: None
```

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

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

```
-----------------------------------------------------------------------------------------------
        Name: P M KEANE RTN        From Node: M KEANE           Length(ft): 988.00
       Group: CBWCD M                To Node: M KEANE RET             Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 15.00          15.00                  Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                      Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                      Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                  Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M11 PH1 LAKE      From Node: M11 PH1            Length(ft): 40.00
        Group: CBWCD M               To Node: M11 LAKE                Count: 2
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 36.00          36.00                  Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                      Exit Loss Coef: 1.00
   Invert(ft): -1.500         -1.500                     Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                  Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M41 LAKE          From Node: M41                Length(ft): 105.00
        Group: CBWCD M               To Node: M41 LAKE                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 18.00          18.00                  Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                      Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                      Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                  Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M41A LAKE         From Node: M41A               Length(ft): 30.00
        Group: CBWCD M               To Node: M41 LAKE                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 30.00          30.00                  Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                      Exit Loss Coef: 1.00
   Invert(ft): 1.000          1.000                      Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                  Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Circular Concrete: Square edge w/ headwall

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

```
         Name: P M42A LAKE         From Node: M42A              Length(ft): 75.00
        Group: CBWCD M               To Node: M42 LAKE                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                          Exit Loss Coef: 1.00
   Invert(ft): 1.500          1.500                          Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

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

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

```
         Name: P M47AVE 5 MH1      From Node: M47AVE 6 MH1      Length(ft): 279.00
        Group: CBWCD M               To Node: M47AVE 5                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 1.00
   Invert(ft): 0.300          0.000                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

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

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

```
         Name: P M47AVE2 N1        From Node: M47AVE 2          Length(ft): 430.00
        Group: CBWCD M               To Node: N1 DN2                  Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 1.00
   Invert(ft): -1.900         -2.420                         Bend Loss Coef: 1.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

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

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

```
         Name: P M47AVE23          From Node: M47AVE 3          Length(ft): 318.00
        Group: CBWCD M               To Node: M47AVE 2                Count: 1
                                                          Friction Equation: Automatic
```

```
                UPSTREAM        DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry:  Circular        Circular                                  Flow: Both
     Span(in):  36.00           36.00                     Entrance Loss Coef: 0.50
     Rise(in):  36.00           36.00                         Exit Loss Coef: 1.00
   Invert(ft):  -1.500          -2.000                        Bend Loss Coef: 1.10
  Manning's N:  0.015000        0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in):  0.000           0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in):  0.000           0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M47AVE34          From Node: M47AVE 4          Length(ft): 974.00
        Group: CBWCD M               To Node: M47AVE 3                Count: 1
                                                             Friction Equation: Automatic
                UPSTREAM        DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry:  Circular        Circular                                  Flow: Both
     Span(in):  30.00           30.00                     Entrance Loss Coef: 0.50
     Rise(in):  30.00           30.00                         Exit Loss Coef: 1.00
   Invert(ft):  0.000           0.000                         Bend Loss Coef: 0.00
  Manning's N:  0.015000        0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in):  0.000           0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in):  0.000           0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M4AVE45           From Node: M47AVE 5          Length(ft): 731.00
        Group: CBWCD M               To Node: M47AVE 4                Count: 1
                                                             Friction Equation: Automatic
                UPSTREAM        DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry:  Circular        Circular                                  Flow: Both
     Span(in):  30.00           30.00                     Entrance Loss Coef: 0.50
     Rise(in):  30.00           30.00                         Exit Loss Coef: 1.00
   Invert(ft):  0.000           0.000                         Bend Loss Coef: 0.00
  Manning's N:  0.015000        0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in):  0.000           0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in):  0.000           0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
         Name: P M8PH1 M11 LAK     From Node: M8 PH1            Length(ft): 400.00
        Group: CBWCD M               To Node: M11 LAKE                Count: 1
                                                             Friction Equation: Automatic
                UPSTREAM        DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry:  Circular        Circular                                  Flow: Both
     Span(in):  24.00           24.00                     Entrance Loss Coef: 0.50
     Rise(in):  24.00           24.00                         Exit Loss Coef: 1.00
   Invert(ft):  1.500           1.000                         Bend Loss Coef: 0.70
  Manning's N:  0.025000        0.025000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in):  0.000           0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in):  0.000           0.000                       Stabilizer Option: None
```

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

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

Name:	P N1 OUTFALL	From Node:	CBWCD N1 DN1	Length(ft): 265.00
Group:	CBWCD M	To Node:	C11	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	66.00	66.00		Entrance Loss Coef: 0.50
Rise(in):	66.00	66.00		Exit Loss Coef: 1.00
Invert(ft):	-2.000	-2.000		Bend Loss Coef: 0.00
Manning's N:	0.015000	0.015000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Name:	P NDITCH OAKES	From Node:	NDITCH1	Length(ft): 25.00
Group:	BASE	To Node:	OAKES MH2	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.50
Rise(in):	24.00	24.00		Exit Loss Coef: 1.00
Invert(ft):	1.000	1.000		Bend Loss Coef: 0.00
Manning's N:	0.015000	0.015000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Name:	P NEW 84 RCP	From Node:	CULVERT MH1	Length(ft): 573.00
Group:	CBWCD M	To Node:	N1 DN3	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	84.00	84.00		Entrance Loss Coef: 0.50
Rise(in):	84.00	84.00		Exit Loss Coef: 1.00
Invert(ft):	-4.400	-3.900		Bend Loss Coef: 1.40
Manning's N:	0.015000	0.015000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Name:	P OAKES 23	From Node:	OAKES 2	Length(ft): 310.00
Group:	BASE	To Node:	OAKES 3	Count: 1

```
                                                        Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM              Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                              Flow: Both
    Span(in): 24.00           24.00                  Entrance Loss Coef: 0.50
    Rise(in): 24.00           24.00                      Exit Loss Coef: 1.00
  Invert(ft): -1.000          -1.000                     Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                 Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                     Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                   Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: P OAKES 64          From Node: OAKES 6            Length(ft): 300.00
       Group: BASE                  To Node: OAKES 4                 Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM              Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                              Flow: Both
    Span(in): 21.00           21.00                  Entrance Loss Coef: 0.50
    Rise(in): 21.00           21.00                      Exit Loss Coef: 1.00
  Invert(ft): 1.000           1.000                      Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                 Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                     Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                   Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: P OAKES MH 4        From Node: OAKES MH1          Length(ft): 330.00
       Group: BASE                  To Node: OAKES 4                 Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM              Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                              Flow: Both
    Span(in): 24.00           24.00                  Entrance Loss Coef: 0.50
    Rise(in): 24.00           24.00                      Exit Loss Coef: 1.00
  Invert(ft): -1.000          -1.000                     Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                 Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                     Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                   Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------
        Name: P OAKES MH23        From Node: OAKES MH2          Length(ft): 20.00
       Group: BASE                  To Node: OAKES MH3                 Count: 2
                                                        Friction Equation: Automatic
              UPSTREAM        DOWNSTREAM              Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                              Flow: Both
    Span(in): 15.00           15.00                  Entrance Loss Coef: 0.50
    Rise(in): 15.00           15.00                      Exit Loss Coef: 1.00
  Invert(ft): 0.270           0.160                      Bend Loss Coef: 0.00
 Manning's N: 0.015000        0.015000                 Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000           0.000                     Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000           0.000                   Stabilizer Option: None
```

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

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

```
         Name: P OAKES SW RET      From Node: OAKES SWALE        Length(ft): 185.00
        Group: BASE                  To Node: N OAKES RET             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

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

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

```
         Name: P OAKES2 MH         From Node: OAKES 2            Length(ft): 20.00
        Group: BASE                  To Node: OAKES MH2               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

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

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

```
         Name: P OAKES2 RET        From Node: OAKES 1            Length(ft): 30.00
        Group: BASE                  To Node: N OAKES RET             Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                           Exit Loss Coef: 1.00
   Invert(ft): 1.750          1.750                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

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

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

```
         Name: P OAKES3 MH         From Node: OAKES 3            Length(ft): 270.00
```

```
        Group: BASE                  To Node: OAKES MH1              Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 1.00
   Invert(ft): -1.000         -1.000                         Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P OLD 84 CMP        From Node: CULVERT MH2        Length(ft): 430.00
        Group: CBWCD M               To Node: CULVERT MH1              Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 84.00          84.00                      Entrance Loss Coef: 0.50
     Rise(in): 84.00          84.00                          Exit Loss Coef: 1.00
   Invert(ft): -3.300         -3.300                         Bend Loss Coef: 0.70
  Manning's N: 0.025000       0.025000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P THISCD KEEN       From Node: THISCD KEEN        Length(ft): 100.00
        Group: TINDALL               To Node: W8 LAKE                  Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                          Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P W28 LAKE          From Node: W28                Length(ft): 100.00
        Group: TINDALL               To Node: THISCD LAKE              Count: 3
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 1.00
   Invert(ft): 1.000          1.000                          Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

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

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

Name:	P W7 FDOT RW	From Node:	W7 FDOT MH	Length(ft): 197.00
Group:	TINDALL	To Node:	EN-7/320	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	30.00	30.00		Entrance Loss Coef: 0.50
Rise(in):	30.00	30.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Name:	P W7 MH	From Node:	W7	Length(ft): 45.00
Group:	TINDALL	To Node:	THISCD OAKES2	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.50
Rise(in):	18.00	18.00		Exit Loss Coef: 1.00
Invert(ft):	1.000	1.000		Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

Name:	P W8LAKE W2PH2	From Node:	W8 LAKE	Length(ft): 245.00
Group:	TINDALL	To Node:	W8 PH2	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00		Exit Loss Coef: 1.00
Invert(ft):	-1.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.025000	0.025000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

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

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

```
---------------------------------------------------------------------------------------------------
        Name: PND6-N441SWALE      From Node: NDITCH6            Length(ft): 380.00
       Group: BASE                  To Node: N441SWALE2               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                                 Flow: Both
    Span(in): 54.00           54.00                       Entrance Loss Coef: 0.50
    Rise(in): 54.00           54.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


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

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


---------------------------------------------------------------------------------------------------
        Name: POAKESMH3 SWALE     From Node: OAKES MH3          Length(ft): 120.00
       Group: BASE                  To Node: OAKES SWALE              Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                                 Flow: Both
    Span(in): 36.00           36.00                       Entrance Loss Coef: 0.50
    Rise(in): 36.00           36.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


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

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


---------------------------------------------------------------------------------------------------
        Name: THISCD PIPE         From Node: THISCD LAKE        Length(ft): 8.00
       Group: TINDALL               To Node: POND 7-2A/B              Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
    Geometry: Circular        Circular                                 Flow: Both
    Span(in): 30.00           30.00                       Entrance Loss Coef: 0.50
    Rise(in): 30.00           30.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.460          0.410                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


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

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


===============================================================================================
==== Channels ================================================================================
===============================================================================================

        Name: C NDISCH 12         From Node: NDITCH2            Length(ft): 340.00
       Group: BASE                  To Node: NDITCH1                  Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
    Geometry: Irregular       Irregular                   Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                    Flow: Both
TClpInitZ(ft): 9999.000       9999.000                      Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
```

```
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: NORTH DITCH SECNORTH DITCH SEC             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: C NDITCH23          From Node: NDITCH3            Length(ft): 400.00
        Group: BASE                  To Node: NDITCH2                 Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: NORTH DITCH SECNORTH DITCH SEC             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: C NDITCH34          From Node: NDITCH4            Length(ft): 235.00
        Group: BASE                  To Node: NDITCH3                 Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: NORTH DITCH SECNORTH DITCH SEC             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: C NDITCH45          From Node: NDITCH5            Length(ft): 270.00
        Group: BASE                  To Node: NDITCH4                 Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: NORTH DITCH SECNORTH DITCH SEC             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: C NDITCH56          From Node: NDITCH6            Length(ft): 290.00
         Group: BASE                  To Node: NDITCH5                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: NORTH DITCH SECNORTH DITCH SEC              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: C NDITCH78          From Node: NDITCH7            Length(ft): 230.00
         Group: BASE                  To Node: NDITCH8                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: NORTH DITCH SECNORTH DITCH SEC              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: C NDITCH89          From Node: NDITCH8            Length(ft): 105.00
         Group: BASE                  To Node: NDITCH9                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: NORTH DITCH SECNORTH DITCH SEC              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
```

```
         Name: CHANNEL 1          From Node: POND 7-2C/6        Length(ft): 80.00
        Group: TINDALL              To Node: NODE EAST 1             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
   Invert(ft): 0.000          -0.600                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N: 0.080000       0.080000                     Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
    Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 6.000          6.000
 LtSdSlp(h/v): 2.00           2.00
 RtSdSlp(h/v): 2.00           2.00


-----------------------------------------------------------------------------------------------
         Name: CHANNEL2           From Node: POND 7-2A/9        Length(ft): 1000.00
        Group: TINDALL              To Node: NODE EAST 2             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
   Invert(ft): 0.000          0.000                                 Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N: 0.015000       0.015000                     Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
    Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 10.000         10.000
 LtSdSlp(h/v): 2.00           0.00
 RtSdSlp(h/v): 2.00           0.00


-----------------------------------------------------------------------------------------------
         Name: N1 CANAL SEC1      From Node: N1 DN2             Length(ft): 588.00
        Group: CBWCD M              To Node: CBWCD N1 DN1            Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): -4.000         -4.000                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: N1 SECTION     N1 SECTION                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: N1 CANAL SEC2      From Node: N1 DN3             Length(ft): 170.00
        Group: CBWCD M              To Node: N1 DN2                  Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): -4.000         -4.000                                Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
```

```
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: N1 SECTION     N1 SECTION                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: N441RET NDITCH9     From Node: N441 RET          Length(ft): 590.00
        Group: BASE                  To Node: NDITCH9                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 4.000          4.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: N441 SWALE     N441 SWALE                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: N441SWALE12         From Node: N441SWALE1        Length(ft): 582.00
        Group: BASE                  To Node: N441SWALE2             Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 4.000          4.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: N441 SWALE     N441 SWALE                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
         Name: N441SWALE23         From Node: N441SWALE2        Length(ft): 877.00
        Group: BASE                  To Node: N441SWALE3             Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 4.000          4.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: N441 SWALE     N441 SWALE                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: NDITCH9N441SW1      From Node: NDITCH9            Length(ft): 840.00
         Group: BASE                  To Node: N441SWALE1              Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 4.000          4.000                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: N441 SWALE     N441 SWALE                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


=================================================================================================
==== Drop Structures ============================================================================
=================================================================================================

          Name: CON. M CUL OAKE     From Node: N OAKES RET        Length(ft): 135.00
         Group: BASE                  To Node: CULVERT MH7             Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00           36.00                                  Flow: Both
     Rise(in): 36.00           36.00                    Entrance Loss Coef: 0.000
    Invert(ft): 0.000          -0.040                       Exit Loss Coef: 1.000
   Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
  Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
  Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CON. M CUL OAKE ***
                                                                                        TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Horizontal                  Top Clip(in): 0.000
                   Flow: Both                      Weir Disc Coef: 3.200
               Geometry: Rectangular             Orifice Disc Coef: 0.600

               Span(in): 54.00                          Invert(ft): 5.160
               Rise(in): 36.00                    Control Elev(ft): 5.160


-----------------------------------------------------------------------------------------------------
          Name: CS  M11 LAKE M4     From Node: M11 LAKE           Length(ft): 700.00
         Group: CBWCD M                To Node: M47AVE 3                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 21.00           21.00                                  Flow: Both
     Rise(in): 21.00           21.00                    Entrance Loss Coef: 0.000
    Invert(ft): -0.600         -0.600                       Exit Loss Coef: 1.000
   Manning's N: 0.025000       0.025000                   Outlet Ctrl Spec: Use dc or tw
  Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
  Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
```

```
Circular Concrete: Square edge w/ headwall

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


*** Weir 1 of 4 for Drop Structure CS  M11 LAKE M4 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 6.270
              Rise(in): 9.00                   Control Elev(ft): 6.270

*** Weir 2 of 4 for Drop Structure CS  M11 LAKE M4 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 3.000
              Rise(in): 3.00                   Control Elev(ft): 3.000

*** Weir 3 of 4 for Drop Structure CS  M11 LAKE M4 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 5.800
              Rise(in): 5.00                   Control Elev(ft): 5.800

*** Weir 4 of 4 for Drop Structure CS  M11 LAKE M4 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 42.00                       Invert(ft): 7.000
              Rise(in): 42.00                  Control Elev(ft): 7.000


-----------------------------------------------------------------------------------------------------
         Name: CS CONTROL 2        From Node: NB-DITCH3          Length(ft): 300.00
        Group: TINDALL               To Node: NODE EAST 2             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                   Entrance Loss Coef: 0.000
   Invert(ft): 1.000          0.850                       Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure CS CONTROL 2 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 4.500
              Rise(in): 24.00                  Control Elev(ft): 4.500

*** Weir 2 of 2 for Drop Structure CS CONTROL 2 ***
```

```
                                                                                    TABLE
                 Count: 1                          Bottom Clip(in): 0.000
                  Type: Horizontal                    Top Clip(in): 0.000
                  Flow: Both                        Weir Disc Coef: 3.200
              Geometry: Circular                 Orifice Disc Coef: 0.600

              Span(in): 3.00                            Invert(ft): 4.000
              Rise(in): 3.00                      Control Elev(ft): 4.000


-----------------------------------------------------------------------------------------------
         Name: CS M3 N1            From Node: M3                 Length(ft): 50.00
        Group: CBWCD M               To Node: N1 DN2                  Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.000
   Invert(ft): 2.500          2.500                         Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure CS M3 N1  ***
                                                                                    TABLE
                 Count: 1                          Bottom Clip(in): 0.000
                  Type: Vertical: Fread               Top Clip(in): 0.000
                  Flow: Both                        Weir Disc Coef: 3.200
              Geometry: Rectangular              Orifice Disc Coef: 0.600

              Span(in): 48.00                           Invert(ft): 6.800
              Rise(in): 36.00                     Control Elev(ft): 6.800

*** Weir 2 of 2 for Drop Structure CS M3 N1  ***
                                                                                    TABLE
                 Count: 1                          Bottom Clip(in): 0.000
                  Type: Vertical: Fread               Top Clip(in): 0.000
                  Flow: Both                        Weir Disc Coef: 3.200
              Geometry: Circular                 Orifice Disc Coef: 0.600

              Span(in): 3.00                            Invert(ft): 4.250
              Rise(in): 3.00                      Control Elev(ft): 4.250


-----------------------------------------------------------------------------------------------
         Name: CS M3A 84           From Node: M3A                Length(ft): 50.00
        Group: CBWCD M               To Node: CULVERT MH1             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.000
   Invert(ft): 2.500          2.500                         Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure CS M3A 84 ***
                                                                                    TABLE
                 Count: 1                          Bottom Clip(in): 0.000
                  Type: Vertical: Fread               Top Clip(in): 0.000
                  Flow: Both                        Weir Disc Coef: 3.200
              Geometry: Rectangular              Orifice Disc Coef: 0.600
```

```
              Span(in): 48.00                      Invert(ft): 6.820
              Rise(in): 6.00                  Control Elev(ft): 6.820

*** Weir 2 of 2 for Drop Structure CS M3A 84 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                       Invert(ft): 3.000
              Rise(in): 3.00                  Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------------
         Name: CS OUT              From Node: N OAKES RET        Length(ft): 2000.00
        Group: BASE                  To Node: OUTFALL                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: None
     Rise(in): 36.00          36.00                  Entrance Loss Coef: 0.000
   Invert(ft): 0.000          0.000                      Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS OUT  ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 6.250
              Rise(in): 48.00                 Control Elev(ft): 6.250


-----------------------------------------------------------------------------------------------------
         Name: CS SLOAN RET        From Node: M SLOAN            Length(ft): 20.00
        Group: CBWCD M               To Node: M KEANE RET             Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 4.00           4.00                                  Flow: Both
     Rise(in): 4.00           4.00                   Entrance Loss Coef: 0.000
   Invert(ft): 2.500          2.500                      Exit Loss Coef: 1.000
  Manning's N: 0.010000       0.010000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS SLOAN RET ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.00                       Invert(ft): 4.500
              Rise(in): 4.00                  Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------------
         Name: CS W34WAY LAKE      From Node: W 34WAY            Length(ft): 530.00
```

```
        Group: TINDALL                To Node: THISCD LAKE             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.000
   Invert(ft): 0.000          0.000                       Exit Loss Coef: 1.000
  Manning's N: 0.025000       0.025000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS W34WAY LAKE ***
                                                                                  TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 36.00                        Invert(ft): 5.500
               Rise(in): 59.00                   Control Elev(ft): 5.500


-----------------------------------------------------------------------------------------------
         Name: CS W5 LAKE           From Node: W5                  Length(ft): 500.00
        Group: TINDALL                To Node: THISCD LAKE             Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                 Flow: Both
     Rise(in): 42.00          42.00                   Entrance Loss Coef: 0.000
   Invert(ft): -1.000         -1.000                      Exit Loss Coef: 1.000
  Manning's N: 0.025000       0.025000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS W5 LAKE ***
                                                                                  TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 5.500
               Rise(in): 36.00                   Control Elev(ft): 5.500


-----------------------------------------------------------------------------------------------
         Name: D SPUR B RTN         From Node: SPUR                Length(ft): 115.00
        Group: BASE                   To Node: BURRIS RET              Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.000
   Invert(ft): -1.000         -1.000                      Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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

```
*** Weir 1 of 1 for Drop Structure D SPUR B RTN ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                        Invert(ft): 7.000
              Rise(in): 36.00                  Control Elev(ft): 7.000


-----------------------------------------------------------------------------------------------------
         Name: KEANE RET C11       From Node: M KEANE RET        Length(ft): 90.00
        Group: CBWCD M               To Node: C11                     Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                  Flow: Both
     Rise(in): 18.00          18.00                     Entrance Loss Coef: 0.500
   Invert(ft): 0.000          0.000                         Exit Loss Coef: 1.000
  Manning's N: 0.025000       0.025000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure KEANE RET C11 ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                        Invert(ft): 4.500
              Rise(in): 36.00                  Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------------
         Name: M1 KEANE CS         From Node: M1                 Length(ft): 50.00
        Group: CBWCD M               To Node: M KEANE                 Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                         Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

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

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


*** Weir 1 of 3 for Drop Structure M1 KEANE CS ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Vertical: Fread             Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                         Invert(ft): 3.000
              Rise(in): 3.00                   Control Elev(ft): 3.000

*** Weir 2 of 3 for Drop Structure M1 KEANE CS ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
```

```
                Type: Vertical: Fread          Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Circular             Orifice Disc Coef: 0.600

            Span(in): 3.00                       Invert(ft): 4.600
            Rise(in): 3.00                 Control Elev(ft): 4.600

*** Weir 3 of 3 for Drop Structure M1 KEANE CS ***
                                                                          TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Vertical: Fread          Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular          Orifice Disc Coef: 0.600

            Span(in): 30.00                      Invert(ft): 7.100
            Rise(in): 24.00                Control Elev(ft): 7.100


-----------------------------------------------------------------------------------------------------
        Name: M12A MH3            From Node: M12A              Length(ft): 173.00
       Group: CBWCD M               To Node: M CULVERT MH3A         Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
    Span(in): 15.00          15.00                                 Flow: Both
    Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.000
  Invert(ft): 1.500          1.500                        Exit Loss Coef: 1.000
 Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure M12A MH3 ***
                                                                          TABLE
               Count: 1                     Bottom Clip(in): 0.000
                Type: Horizontal               Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Circular             Orifice Disc Coef: 0.600

            Span(in): 3.00                       Invert(ft): 3.000
            Rise(in): 3.00                 Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure M12A MH3 ***
                                                                          TABLE
               Count: 2                     Bottom Clip(in): 0.000
                Type: Horizontal               Top Clip(in): 0.000
                Flow: Both                   Weir Disc Coef: 3.200
            Geometry: Rectangular          Orifice Disc Coef: 0.600

            Span(in): 36.00                      Invert(ft): 6.900
            Rise(in): 24.00                Control Elev(ft): 6.900


-----------------------------------------------------------------------------------------------------
        Name: M14 N1 CANAL        From Node: M14               Length(ft): 24.00
       Group: CBWCD M               To Node: N1 DN2                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
    Span(in): 36.00          36.00                                 Flow: Both
    Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
  Invert(ft): 0.000          0.000                        Exit Loss Coef: 1.000
 Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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

```
*** Weir 1 of 2 for Drop Structure M14 N1 CANAL ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                      Weir Disc Coef: 3.200
              Geometry: Circular                Orifice Disc Coef: 0.600

              Span(in): 3.50                          Invert(ft): 4.000
              Rise(in): 3.50                     Control Elev(ft): 4.000

*** Weir 2 of 2 for Drop Structure M14 N1 CANAL ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                      Weir Disc Coef: 3.200
              Geometry: Rectangular             Orifice Disc Coef: 0.600

              Span(in): 36.00                         Invert(ft): 6.800
              Rise(in): 24.00                    Control Elev(ft): 6.800


-------------------------------------------------------------------------------------------------
         Name: M37 MH4              From Node: M37                 Length(ft): 25.00
        Group: CBWCD M                To Node: CULVERT MH4              Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                      Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                          Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure M37 MH4 ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Vertical: Fread             Top Clip(in): 0.000
                  Flow: Both                      Weir Disc Coef: 3.200
              Geometry: Rectangular             Orifice Disc Coef: 0.600

              Span(in): 48.00                         Invert(ft): 6.750
              Rise(in): 36.00                    Control Elev(ft): 6.750


-------------------------------------------------------------------------------------------------
         Name: M40 MH3              From Node: M40                 Length(ft): 50.00
        Group: CBWCD M                To Node: M CULVERT MH3A           Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                      Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                          Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure M40 MH3 ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Vertical: Fread             Top Clip(in): 0.000
                  Flow: Both                      Weir Disc Coef: 3.200
```

```
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 5.000
              Rise(in): 24.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: M41LAKE- N1          From Node: M41 LAKE          Length(ft): 110.00
       Group: CBWCD M                To Node: N1 DN2                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
    Span(in): 15.00          15.00                                 Flow: Both
    Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.000
   Invert(ft): 2.000         2.000                        Exit Loss Coef: 1.000
  Manning's N: 0.025000      0.025000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure M41LAKE- N1  ***
                                                                                   TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 3.590
              Rise(in): 24.00                 Control Elev(ft): 3.590


-----------------------------------------------------------------------------------------------
        Name: M45 CS               From Node: M45               Length(ft): 50.00
       Group: CBWCD M                To Node: CULVERT MH5            Count: 3

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
    Span(in): 15.00          15.00                                 Flow: Both
    Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.000
   Invert(ft): 0.000         0.000                        Exit Loss Coef: 1.000
  Manning's N: 0.020000      0.020000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure M45 CS ***
                                                                                   TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 5.000
              Rise(in): 24.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: N RET OAKES RET      From Node: N RETENTION       Length(ft): 250.00
       Group: BASE                   To Node: N OAKES RET            Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
    Span(in): 36.00          36.00                                 Flow: Both
    Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
   Invert(ft): 0.000         -0.600                       Exit Loss Coef: 1.000
  Manning's N: 0.015000      0.015000                   Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure N RET OAKES RET ***
                                                                                    TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Horizontal                  Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 36.00                         Invert(ft): 6.410
               Rise(in): 24.00                   Control Elev(ft): 6.410


-----------------------------------------------------------------------------------------------------
         Name: N10 TO N OAKES      From Node: N10                 Length(ft): 160.00
        Group: BASE                  To Node: N OAKES RET              Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                      Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                          Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure N10 TO N OAKES  ***
                                                                                    TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Vertical: Fread             Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 48.00                         Invert(ft): 5.000
               Rise(in): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: N10 TO RETN         From Node: N10                 Length(ft): 24.00
        Group: BASE                  To Node: N RETENTION              Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                  Flow: Both
     Rise(in): 42.00          42.00                      Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                          Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure N10 TO RETN ***
                                                                                    TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Horizontal                  Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
```

```
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 36.00                      Invert(ft): 6.250
              Rise(in): 24.00                 Control Elev(ft): 6.250


-----------------------------------------------------------------------------------------------
         Name: N15 CS              From Node: N15                Length(ft): 60.00
        Group: BASE                  To Node: NDITCH8                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.000
   Invert(ft): 0.000          0.000                       Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure N15 CS ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 36.00                      Invert(ft): 6.550
              Rise(in): 24.00                 Control Elev(ft): 6.550

*** Weir 2 of 2 for Drop Structure N15 CS ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular             Orifice Disc Coef: 0.600

              Span(in): 3.00                       Invert(ft): 3.000
              Rise(in): 3.00                  Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------
         Name: N17 CS              From Node: N17                Length(ft): 30.00
        Group: BASE                  To Node: NDITCH2                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                   Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                       Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure N17 CS ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Trapezoidal          Orifice Disc Coef: 0.600

       Bottom Width(ft): 0.00                      Invert(ft): 3.000
      Left Sd Slp(h/v): 1.00                 Control Elev(ft): 3.000
     Right Sd Slp(h/v): 1.00             Struct Opening Dim(ft): 0.04
```

```
*** Weir 2 of 2 for Drop Structure N17 CS ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular               Orifice Disc Coef: 0.600

              Span(in): 24.00                         Invert(ft): 6.400
              Rise(in): 24.00                   Control Elev(ft): 6.400


-----------------------------------------------------------------------------------------------------
         Name: N2 CS                 From Node: N2                  Length(ft): 30.00
        Group: BASE                    To Node: NDITCH4                  Count: 1

              UPSTREAM        DOWNSTREAM                   Friction Equation: Automatic
     Geometry: Circular       Circular                    Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                       Entrance Loss Coef: 0.000
   Invert(ft): 3.000          3.000                           Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                            Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure N2 CS ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Vertical: Fread             Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular               Orifice Disc Coef: 0.600

              Span(in): 6.00                          Invert(ft): 3.000
              Rise(in): 6.00                    Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure N2 CS ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Horizontal                  Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 36.00                         Invert(ft): 7.300
              Rise(in): 24.00                   Control Elev(ft): 7.300


-----------------------------------------------------------------------------------------------------
         Name: N46 OAKES RET         From Node: N46                 Length(ft): 32.00
        Group: BASE                    To Node: N OAKES RET              Count: 1

              UPSTREAM        DOWNSTREAM                   Friction Equation: Automatic
     Geometry: Circular       Circular                    Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                       Entrance Loss Coef: 0.000
   Invert(ft): 2.500          -0.250                          Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                            Solution Incs: 10

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

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


*** Weir 1 of 2 for Drop Structure N46 OAKES RET ***
                                                                                    TABLE
                 Count: 1                        Bottom Clip(in): 0.000
                  Type: Vertical: Fread             Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular               Orifice Disc Coef: 0.600
```

```
              Span(in): 3.00                        Invert(ft): 3.000
              Rise(in): 3.00                  Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure N46 OAKES RET ***
                                                                                TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Fread            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 30.00                       Invert(ft): 5.500
              Rise(in): 24.00                 Control Elev(ft): 5.500


-----------------------------------------------------------------------------------------------------
         Name: OUT PIPE W8          From Node: W8 PH2             Length(ft): 45.00
        Group: TINDALL                To Node: EN-7/327                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.500
   Invert(ft): 1.300          0.860                       Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

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

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


*** Weir 1 of 3 for Drop Structure OUT PIPE W8 ***
                                                                                TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular               Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 3.000
              Rise(in): 3.00                  Control Elev(ft): 3.000

*** Weir 2 of 3 for Drop Structure OUT PIPE W8 ***
                                                                                TABLE
                 Count: 1                       Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis            Top Clip(ft): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Trapezoidal            Orifice Disc Coef: 0.600

       Bottom Width(ft): 0.00                       Invert(ft): 5.350
      Left Sd Slp(h/v): 0.50                  Control Elev(ft): 3.000
     Right Sd Slp(h/v): 0.50             Struct Opening Dim(ft): 9.00

*** Weir 3 of 3 for Drop Structure OUT PIPE W8 ***
                                                                                TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 6.950
              Rise(in): 24.00                 Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------------
         Name: P M11 PH2 LAKE       From Node: M11 PH2            Length(ft): 10.00
        Group: CBWCD M                To Node: M11 LAKE                 Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.000
   Invert(ft): -1.000         -1.000                      Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10
```

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

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


*** Weir 1 of 2 for Drop Structure P M11 PH2 LAKE ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 30.00                        Invert(ft): 4.750
              Rise(in): 30.00                  Control Elev(ft): 4.750

*** Weir 2 of 2 for Drop Structure P M11 PH2 LAKE ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 30.00                        Invert(ft): 4.750
              Rise(in): 30.00                  Control Elev(ft): 4.750


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

        Name: 3M43 C11 WEIR       From Node: M43
       Group: CBWCD M               To Node: ORANGE DR
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 144.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
        Name: 84 Spur 1           From Node: OLD84
       Group: Broward               To Node: NorthEnd 1
        Flow: Both                    Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 60.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 3.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
        Name: 84 Spur 2           From Node: OLD84
       Group: Broward               To Node: NorthEnd 2
        Flow: Both                    Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 60.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 3.000
                                          TABLE
```

```
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 84 Spur 3           From Node: OLD84
       Group: Broward               To Node: NorthEnd 3
        Flow: Both                    Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 60.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
     Control Elevation(ft): 3.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: Burris NW Ext       From Node: BurrisRd NW Ext
       Group: Broward               To Node: BURRIS RET
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 36.00
                 Invert(ft): 6.750
     Control Elevation(ft): 3.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: BURRIS-441 RET      From Node: BURRIS RET
       Group: BASE                  To Node: N441 RET
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 36.00
                 Invert(ft): 6.750
     Control Elevation(ft): 6.750
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: CON THISCD OAK6     From Node: THISCD OAKES2
       Group: BASE                  To Node: OAKES 6
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.250
     Control Elevation(ft): 6.250
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
```

```
        Name: CON. BUR1 OAK3       From Node: BURRIS 1
       Group: BASE                   To Node: OAKES 3
        Flow: Both                     Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: CON. M32 OAKES6      From Node: M32
       Group: BASE                   To Node: OAKES 6
        Flow: Both                     Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.250
      Control Elevation(ft): 6.250
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: CON. M45 MRET        From Node: N RETENTION
       Group: CBWCD M                To Node: M45
        Flow: Both                     Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: CON. M47 OAKES4      From Node: OAKES 4
       Group: BASE                   To Node: M47 OAKES
        Flow: Both                     Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: CONNECT M30 OAK      From Node: N30
       Group: BASE                   To Node: OAKES 2
        Flow: Both                     Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 24.00
                 Invert(ft): 5.500
```

```
      Control Elevation(ft): 5.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: FIELD RDTURN RW     From Node: FIELD RD
       Group: TINDALL               To Node: NODE EAST 2
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: FIELD THISCD OA     From Node: FIELD RD
       Group: TINDALL               To Node: THISCD OAKES2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.650
      Control Elevation(ft): 5.650
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M12B M47            From Node: M12C
       Group: CBWCD M               To Node: M47AVE 3
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 24.00
                 Invert(ft): 5.250
      Control Elevation(ft): 5.250
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M12B MH3            From Node: M12B
       Group: CBWCD M               To Node: CULVERT MH3
        Flow: Both                    Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 36.00
                 Invert(ft): 6.400
      Control Elevation(ft): 6.400
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: M12B MH3A           From Node: M12B
       Group: CBWCD M               To Node: M CULVERT MH3A
        Flow: Both                    Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 36.00
                 Invert(ft): 6.400
      Control Elevation(ft): 6.400
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M31 47THE AVE 6     From Node: M31
       Group: CBWCD M               To Node: M47AVE 6
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.400
      Control Elevation(ft): 5.400
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M3839 M37           From Node: M3839
       Group: CBWCD M               To Node: M37
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 24.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M3A M12D            From Node: M12D
       Group: CBWCD M               To Node: M3A
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M47AVE12            From Node: M47AVE 2
       Group: CBWCD M               To Node: M47AVE 1
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: 47TH AVE 12 SEC
```

```
                Invert(ft): 5.650
     Control Elevation(ft): 5.650
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M47AVE23            From Node: M47AVE 3
       Group: CBWCD M               To Node: M47AVE 2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 47TH AVE 23 SEC
                Invert(ft): 5.500
     Control Elevation(ft): 5.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M47AVE34            From Node: M47AVE 4
       Group: CBWCD M               To Node: M47AVE 3
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 47TH AVE 34 SEC
                Invert(ft): 5.550
     Control Elevation(ft): 5.550
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M47AVE45            From Node: M47AVE 5
       Group: CBWCD M               To Node: M47AVE 4
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 47TH AVE 45 SEC
                Invert(ft): 5.600
     Control Elevation(ft): 5.600
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M47AVE56            From Node: M47AVE 6
       Group: CBWCD M               To Node: M47AVE 5
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 47TH AVE 56 SEC
                Invert(ft): 5.500
     Control Elevation(ft): 5.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: M47OFFOAKES          From Node: M47 OAKES
       Group: CBWCD M                To Node: M47AVE 6
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Irregular

                        XSec: 47THAVE 6 TO OA
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: M6 C11 WEIR          From Node: M6
       Group: CBWCD M                To Node: ORANGE DR
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 144.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: N23 DITCH5           From Node: N23
       Group: BASE                   To Node: NDITCH5
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Irregular

                        XSec: N23 DITCH5 SEC
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: NDITCH OAKESMH2      From Node: NDITCH1
       Group: BASE                   To Node: OAKES MH2
        Flow: Both                     Count: 1
        Type: Horizontal            Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 48.00
                 Invert(ft): 5.310
      Control Elevation(ft): 5.310
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: NorthEnd 1           From Node: NorthEnd 1
       Group: Broward                To Node: BurrisRd NW Ext
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular
```

```
                Span(in): 144.00
                Rise(in): 36.00
             Invert(ft): 7.250
   Control Elevation(ft): 3.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: NorthEnd 2          From Node: NorthEnd 2
     Group: Broward               To Node: NorthEnd 3
      Flow: Both                    Count: 1
      Type: Horizontal           Geometry: Rectangular

                Span(in): 60.00
                Rise(in): 36.00
             Invert(ft): 7.000
   Control Elevation(ft): 3.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: NorthEnd 3          From Node: NorthEnd 3
     Group: Broward               To Node: BurrisRd NW Ext
      Flow: Both                    Count: 1
      Type: Horizontal           Geometry: Rectangular

                Span(in): 144.00
                Rise(in): 36.00
             Invert(ft): 6.500
   Control Elevation(ft): 3.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: OAKES 64            From Node: OAKES 6
     Group: BASE                  To Node: OAKES 4
      Flow: Both                    Count: 1
      Type: Vertical: Paved      Geometry: Irregular

                   XSec: OAKES 23 SECTIO
             Invert(ft): 6.000
   Control Elevation(ft): 6.000
 Struct Opening Dim(ft): 9999.00
                                          TABLE
         Bottom Clip(ft): 0.000
            Top Clip(ft): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: ORANGE N47AVE       From Node: M47AVE 1
     Group: CBWCD M               To Node: ORANGE DR
      Flow: Both                    Count: 1
      Type: Vertical: Paved      Geometry: Irregular

                   XSec: 47TH AVE 12 SEC
             Invert(ft): 5.650
   Control Elevation(ft): 5.650
 Struct Opening Dim(ft): 9999.00
                                          TABLE
         Bottom Clip(ft): 0.000
            Top Clip(ft): 0.000
```

```
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: SLOAN-KEANE         From Node: M SLOAN
       Group: CBWCD M               To Node: M KEANE
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.200
      Control Elevation(ft): 6.200
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W  KEEN W8PH3       From Node: THISCD KEEN
       Group: TINDALL               To Node: W8 PH3
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W  N21 BURRIS 2     From Node: N21
       Group: BASE                  To Node: BURRIS 2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: N21 BURRIS2 SEC
                 Invert(ft): 5.100
      Control Elevation(ft): 5.100
    Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W BURRIS 12         From Node: BURRIS 1
       Group: BASE                  To Node: BURRIS 2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.360
      Control Elevation(ft): 5.360
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W BURRIS 23         From Node: BURRIS 2
       Group: BASE                  To Node: BURRIS 3
```

```
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.930
      Control Elevation(ft): 6.930
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W BURRIS 34           From Node: BURRIS 3
       Group: BASE                    To Node: BURRIS 4
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 9.160
      Control Elevation(ft): 9.160
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W FPL KEEN            From Node: W9 FPL
       Group: TINDALL                 To Node: THISCD KEEN
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 5.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W FPL OAKES           From Node: W9 FPL
       Group: TINDALL                 To Node: THISCD OAKES2
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W M32 47TH 6          From Node: M32
       Group: CBWCD M                 To Node: M47AVE 6
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.250
      Control Elevation(ft): 6.250
                                          TABLE
```

```
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N15A BURRIS4       From Node: N15A
       Group: BASE                   To Node: BURRIS 4
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N20 BURRIS1        From Node: N20
       Group: BASE                   To Node: BURRIS 1
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Irregular

                       XSec: N20-BURRIS SECT
                 Invert(ft): 4.850
      Control Elevation(ft): 4.850
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
          Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N21 DITCH3         From Node: N21
       Group: BASE                   To Node: NDITCH3
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Irregular

                       XSec: N21 DITCH3
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
          Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N22 BURRIS 2       From Node: N22
       Group: BASE                   To Node: BURRIS 2
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
```

```
        Name: W N22 DITCH4        From Node: N22
       Group: BASE                  To Node: NDITCH4
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
     Control Elevation(ft): 7.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N23 BURRIS 2      From Node: N23
       Group: BASE                  To Node: BURRIS 2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.400
     Control Elevation(ft): 6.400
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N24 DITCH6        From Node: N24
       Group: BASE                  To Node: NDITCH6
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 24 NDITCH6 SEC
                 Invert(ft): 7.000
     Control Elevation(ft): 7.000
    Struct Opening Dim(ft): 9999.00
                                             TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N24A BURRIS3      From Node: N24A
       Group: BASE                  To Node: BURRIS 3
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N25 BURRIS1       From Node: N25
       Group: BASE                  To Node: BURRIS 1
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
```

```
      Control Elevation(ft): 5.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N26 BURRIS1        From Node: N26
       Group: BASE                   To Node: BURRIS 1
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 5.000
      Control Elevation(ft): 5.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N27 BURRIS2        From Node: N27
       Group: BASE                   To Node: BURRIS 2
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 5.250
      Control Elevation(ft): 5.250
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N20 NDITCH2        From Node: N20
       Group: BASE                   To Node: NDITCH2
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Irregular

                     XSec: N20 DITCH2
                Invert(ft): 4.500
      Control Elevation(ft): 4.500
    Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W N47 NDITCH1        From Node: N47
       Group: BASE                   To Node: NDITCH1
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: W N47 O SWALE       From Node: N47
       Group: BASE                  To Node: OAKES SWALE
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W NDITCH SWALE      From Node: NDITCH1
       Group: BASE                  To Node: OAKES SWALE
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 100.00
                   Rise(in): 36.00
                 Invert(ft): 5.600
      Control Elevation(ft): 5.600
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W OAKES 12          From Node: OAKES 1
       Group: BASE                  To Node: OAKES 2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: OAKES 12 SECTIO
                 Invert(ft): 6.470
      Control Elevation(ft): 6.470
    Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W OAKES 23          From Node: OAKES 2
       Group: BASE                  To Node: OAKES 3
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: OAKES 23 SECTIO
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
    Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W OAKES 34          From Node: OAKES 3
       Group: BASE                  To Node: OAKES 4
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: OAKES 34 SECTIO
```

```
                Invert(ft): 5.790
     Control Elevation(ft): 5.790
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SPUR B RTN        From Node: SPUR
       Group: BASE                  To Node: BURRIS RET
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: SPUR BURRIS RET
                Invert(ft): 7.500
     Control Elevation(ft): 7.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W33 TO OAKES      From Node: W33
       Group: TINDALL               To Node: THISCD OAKES2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                Invert(ft): 6.250
     Control Elevation(ft): 6.250
                                          TABLE
          Bottom Clip(in): 0.000
             Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W33 W3WAY         From Node: W33
       Group: TINDALL               To Node: W 34WAY
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                          TABLE
          Bottom Clip(in): 0.000
             Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W34 W34WAY        From Node: W34
       Group: TINDALL               To Node: W 34WAY
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                          TABLE
          Bottom Clip(in): 0.000
             Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: W W34WAY OAKES6      From Node: W 34WAY
       Group: BASE                   To Node: OAKES 6
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.250
      Control Elevation(ft): 6.250
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W48 LAKE           From Node: W48
       Group: TINDALL                To Node: THISCD LAKE
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W5A W34WAY         From Node: W5A
       Group: TINDALL                To Node: W 34WAY
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W7 KEEN            From Node: W7
       Group: TINDALL                To Node: THISCD KEEN
        Flow: Both                     Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W W8PH3 LAKE         From Node: W8 PH3
       Group: TINDALL                To Node: W8 LAKE
        Flow: Both                     Count: 1
        Type: Vertical: Fread       Geometry: Rectangular
```

```
                Span(in): 120.00
                Rise(in): 36.00
             Invert(ft): 5.000
   Control Elevation(ft): 5.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W35 FIELD RD        From Node: W35
     Group: TINDALL               To Node: FIELD RD
      Flow: Both                    Count: 1
      Type: Vertical: Paved      Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
             Invert(ft): 6.000
   Control Elevation(ft): 6.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W36 FIELD ROAD      From Node: W36
     Group: TINDALL               To Node: FIELD RD
      Flow: Both                    Count: 1
      Type: Vertical: Paved      Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
             Invert(ft): 6.500
   Control Elevation(ft): 6.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W49 FIELD           From Node: W49
     Group: TINDALL               To Node: FIELD RD
      Flow: Both                    Count: 1
      Type: Vertical: Paved      Geometry: Rectangular

                Span(in): 240.00
                Rise(in): 36.00
             Invert(ft): 6.500
   Control Elevation(ft): 6.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: WSPUR LAKE          From Node: W SPUR
     Group: TINDALL               To Node: THISCD LAKE
      Flow: Both                    Count: 1
      Type: Vertical: Fread      Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
             Invert(ft): 7.000
   Control Elevation(ft): 7.000
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
```

```
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


==========================================================================================
==== Breaches ============================================================================
==========================================================================================

        Name:                      From Node:                        Count: 1
       Group: BASE                   To Node:                         Flow: Both

      Bottom Width(ft): 0.00             Water Surface Elev(ft): 0.000
  Left Side Slope(h/v): 0.00               Breach Duration(hrs): 0.00
 Right Side Slope(h/v): 0.00                          Power Coef: 0.00
Bottom Breach Elev(ft): 0.000              Weir Discharge Coef: 0.000
   Top Breach Elev(ft): 0.000


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

        Name: 100YR 3DAY
    Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\100 YR .R32

     Override Defaults: Yes
   Storm Duration(hrs): 72.00
         Rainfall File: Sfwmd72
   Rainfall Amount(in): 17.00

Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          5.00

------------------------------------------------------------------------------------------
        Name: 10YR 1DAY
    Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\10 YR EN.R32

     Override Defaults: Yes
   Storm Duration(hrs): 24.00
         Rainfall File: SFWMD24
   Rainfall Amount(in): 8.50

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

------------------------------------------------------------------------------------------
        Name: 10YR 3DAY
    Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\103tindall.R32

     Override Defaults: Yes
   Storm Duration(hrs): 72.00
         Rainfall File: Sfwmd72
   Rainfall Amount(in): 11.00

Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          5.00

------------------------------------------------------------------------------------------
        Name: 25YR 3DAY
    Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\25 YR EN.R32

     Override Defaults: Yes
   Storm Duration(hrs): 72.00
         Rainfall File: Sfwmd72
   Rainfall Amount(in): 14.00

Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          5.00

------------------------------------------------------------------------------------------
        Name: 50yr-3day
    Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing North of C11\50yr-3day.R32

     Override Defaults: Yes
```

```
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 16.30

Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 5Yr-1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing North of C11\5Yr-1day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: SFWMD24
    Rainfall Amount(in): 7.00

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

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

         Name: 100YEAR 3DAY        Hydrology Sim: 100YR 3DAY
     Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\100 YEAR EN.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 100 yr 3 day             Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

Group           Run
--------------- -----
BASE            Yes
Broward         Yes
CBWCD M         Yes
TINDALL         Yes


-----------------------------------------------------------------------------------------------
         Name: 10YEAR 1DAY         Hydrology Sim: 10YR 1DAY
     Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\10 YEAR EN.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 10 yr 1 day              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.000

Group           Run
--------------- -----
BASE            Yes
Broward         Yes
CBWCD M         Yes
TINDALL         Yes


-----------------------------------------------------------------------------------------------
         Name: 10YEAR 3DAY         Hydrology Sim: 10YR 3DAY
```

```
     Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\10YEAR3DAY EN.I32

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000                 Max Calc Time(sec): 60.0000
        Boundary Stages: 10 yr 3 day               Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

Group           Run
--------------- -----
TINDALL         Yes


-----------------------------------------------------------------------------------------------------
         Name: 25YEAR 3DAY          Hydrology Sim: 25YR 3DAY
     Filename: M:\icpr3\11-0009 TOC\Existing\Existing North of C11\25 YEAR EN.I32

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000                 Max Calc Time(sec): 60.0000
        Boundary Stages: 25 yr 3 day               Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

Group           Run
--------------- -----
BASE            Yes
Broward         Yes
CBWCD M         Yes
TINDALL         Yes


-----------------------------------------------------------------------------------------------------
         Name: 5 Yr 1 Day           Hydrology Sim: 5Yr-1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing North of C11\5 Yr 1 Day.I32

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000                 Max Calc Time(sec): 60.0000
        Boundary Stages: 5 yr 1 day                Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          15.000

Group           Run
--------------- -----
BASE            Yes
Broward         Yes
CBWCD M         Yes
TINDALL         Yes


-----------------------------------------------------------------------------------------------------
         Name: 50 Yr 3 Day          Hydrology Sim: 50yr-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing North of C11\50 Yr 3 Day.I32
```

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

        Max Delta Z(ft): 1.00                      Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                      End Time(hrs): 96.00
     Min Calc Time(sec): 0.5000                 Max Calc Time(sec): 60.0000
        Boundary Stages: 50 yr 3 day               Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
96.000          15.000

Group           Run
--------------- -----
BASE            Yes
Broward         Yes
CBWCD M         Yes
TINDALL         Yes


==========================================================================================
==== Boundary Conditions ================================================================
==========================================================================================

      Name: 10 yr 1 day           Node: C11                   Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         12.000           3.000
         24.000           4.100
         36.000           3.800
         96.000           2.000

------------------------------------------------------------------------------------------
      Name: 25 yr 3 day           Node: C11                   Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         24.000           2.750
         72.000           4.500
         96.000           3.500
        120.000           2.750
        200.000           2.000

------------------------------------------------------------------------------------------
      Name: 50 yr 3 day           Node: C11                   Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         24.000           2.900
         72.000           4.750
         96.000           3.750
        120.000           2.900
        200.000           2.000

------------------------------------------------------------------------------------------
      Name: 100 yr 3 day          Node: C11                   Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         24.000           3.000
         72.000           5.000
         96.000           4.000
        120.000           3.000
        200.000           2.000

------------------------------------------------------------------------------------------
      Name: 5 yr 1 day            Node: C11                   Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         12.000           2.500
```

24.000	3.600
36.000	3.300
96.000	2.000

Name: 10 yr 3 day Node: NODE WEST Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.500
72.000	4.000
96.000	3.250
120.000	2.500
200.000	2.000

Name: 10 yr 1 day Node: NODE WEST Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
12.000	3.000
24.000	4.100
36.000	3.800
96.000	2.000

Name: 25 yr 3 day Node: NODE WEST Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.750
72.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 50 yr 3 day Node: NODE WEST Type: Stage

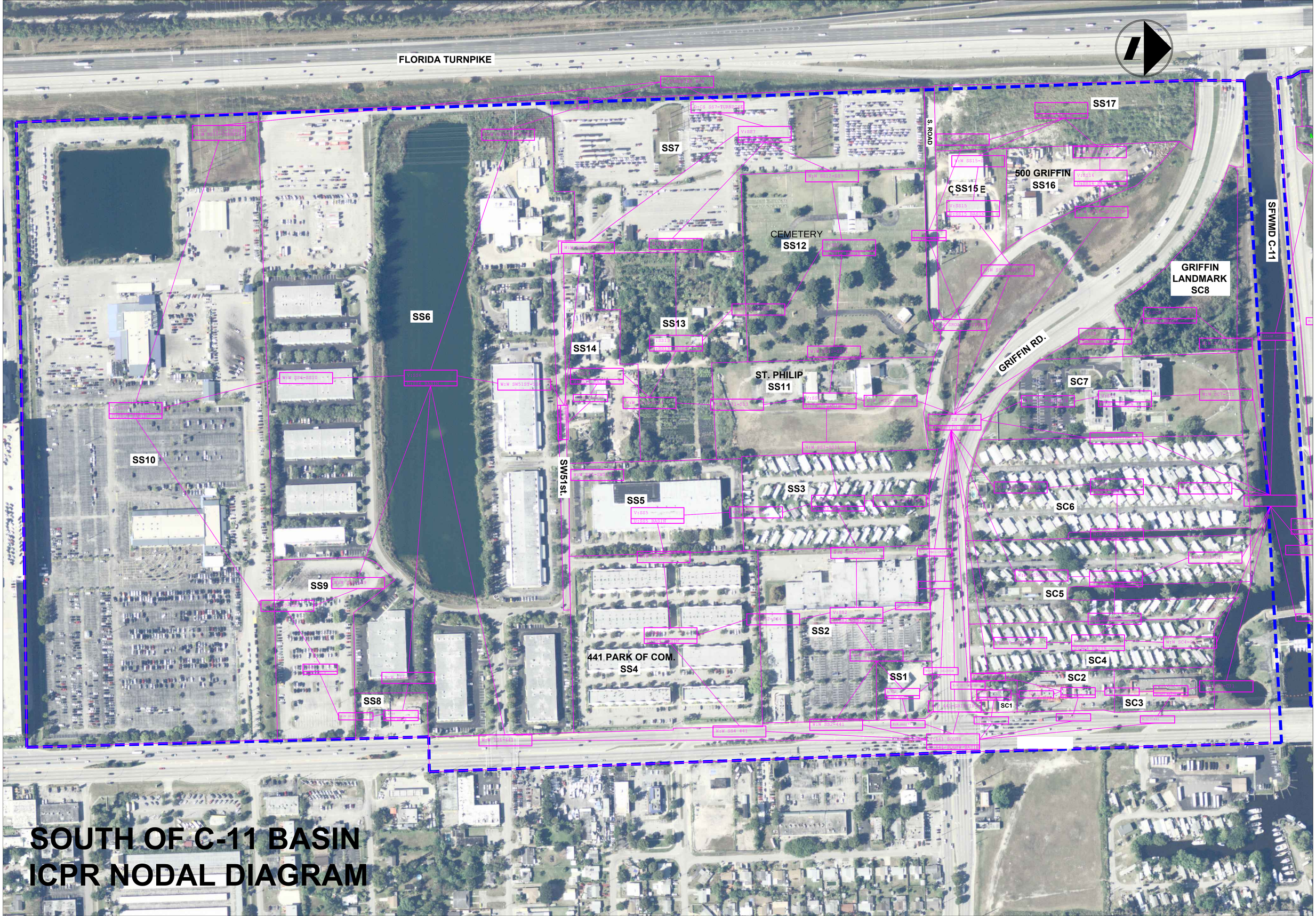
Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.900
72.000	4.750
96.000	3.750
120.000	2.900
200.000	2.000

Name: 100 yr 3 day Node: NODE WEST Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	3.000
72.000	5.000
96.000	4.000
120.000	3.000
200.000	2.000

Name: 5 yr 1 day Node: NODE WEST Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
12.000	2.500
24.000	3.600
36.000	3.300
96.000	2.000



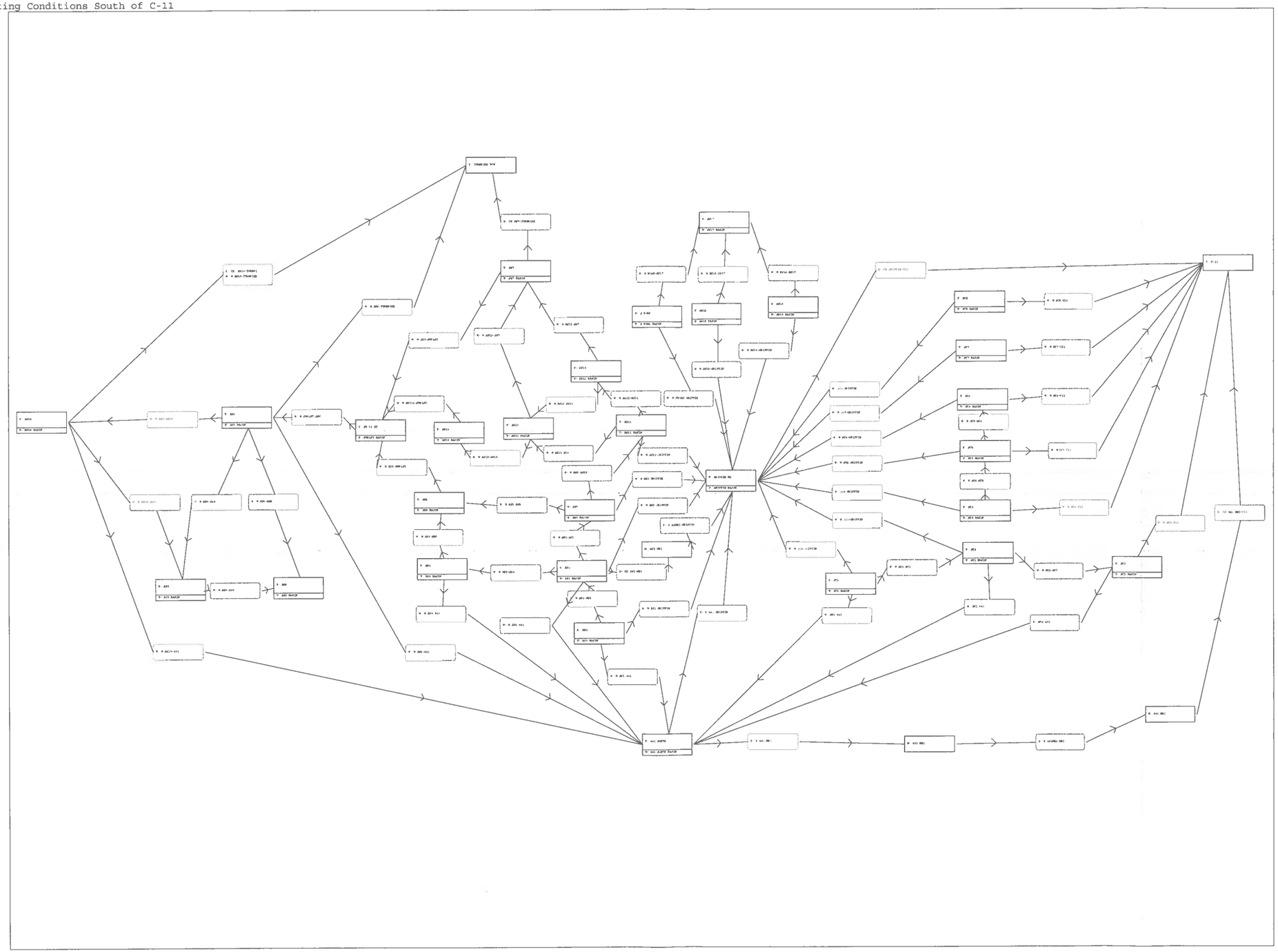
SOUTH OF C-11 BASIN
ICPR NODAL DIAGRAM

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

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

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

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



Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
441 MH1	BASE	100year 3day	61.38	6.75	0.00	0.0438	176	0.00	40.76	0.03	8.67
441 MH2	BASE	100year 3day	61.39	6.66	0.00	0.0061	158	0.03	8.67	61.39	6.79
441 SOUTH	BASE	100year 3day	61.39	6.77	0.00	-0.0453	28684	60.08	45.48	60.14	42.14
C-11	BASE	100year 3day	72.00	5.00	0.00	0.0001	0	61.49	75.14	0.00	0.00
GRIFFIN RD	BASE	100year 3day	61.45	6.77	0.00	-0.0191	204843	60.22	85.80	61.37	30.69
S ROAD	BASE	100year 3day	74.72	5.75	0.00	0.0008	27854	60.17	3.87	60.28	1.64
SC1	BASE	100year 3day	60.04	7.70	0.00	-0.0002	4703	60.00	2.91	60.04	2.80
SC2	BASE	100year 3day	60.20	7.51	0.00	-0.0004	25195	60.00	8.99	60.17	5.93
SC3	BASE	100year 3day	60.20	7.52	0.00	-0.0004	27850	59.83	4.77	60.20	0.08
SC4	BASE	100year 3day	61.61	5.26	0.00	0.0007	139661	60.25	14.30	61.17	5.66
SC5	BASE	100year 3day	61.65	5.34	0.00	0.0007	200796	60.08	26.61	60.60	12.23
SC6	BASE	100year 3day	61.69	5.34	0.00	0.0009	301122	60.33	33.29	62.71	11.94
SC7	BASE	100year 3day	61.13	6.30	0.00	0.0006	138198	60.00	35.43	61.13	5.24
SC8	BASE	100year 3day	73.92	4.84	0.00	0.0003	158123	60.08	21.58	0.00	0.00
SS1	BASE	100year 3day	60.06	7.22	0.00	-0.0002	14209	60.00	7.08	60.06	6.66
SS10	BASE	100year 3day	70.25	7.16	0.00	0.0007	1570510	60.17	211.95	68.90	7.10
SS11	BASE	100year 3day	79.54	7.00	0.00	0.0006	228181	60.08	16.22	90.00	0.13
SS12	BASE	100year 3day	79.34	7.00	0.00	0.0002	110118	60.92	9.37	61.37	7.63
SS13	BASE	100year 3day	79.54	7.00	0.00	0.0007	243477	60.17	29.23	66.71	1.33
SS14	BASE	100year 3day	78.93	7.00	0.00	0.0014	129809	59.92	16.45	65.10	8.43
SS15	BASE	100year 3day	75.12	5.75	0.00	0.0004	87556	60.00	16.72	60.21	2.25
SS16	BASE	100year 3day	75.53	5.75	0.00	0.0014	80783	60.00	15.29	59.93	3.54
SS17	BASE	100year 3day	74.85	5.75	0.00	0.0004	257004	60.00	50.89	0.00	0.00
SS2	BASE	100year 3day	64.11	6.90	0.00	0.0016	219414	60.00	53.19	69.81	4.26
SS2 MH1	BASE	100year 3day	61.58	6.79	0.00	-0.0084	117	69.81	4.26	69.79	4.26
SS3	BASE	100year 3day	79.57	7.00	0.00	0.0009	229561	60.25	21.16	90.00	0.06
SS4	BASE	100year 3day	61.09	7.47	0.00	0.0004	345526	60.00	60.97	61.09	10.26
SS5	BASE	100year 3day	60.81	7.13	0.00	0.0004	121002	60.00	36.41	60.81	16.11
SS6	BASE	100year 3day	78.80	7.00	0.00	0.0011	1422695	60.00	336.53	0.00	0.00
SS7	BASE	100year 3day	61.59	7.10	0.00	0.0004	503277	60.08	69.56	61.59	1.93
SS8	BASE	100year 3day	78.80	7.00	0.00	0.0004	19628	59.67	1.23	0.00	0.00
SS9	BASE	100year 3day	60.37	7.10	0.00	-0.0003	113790	60.00	18.29	0.00	0.00
SW 51 ST	BASE	100year 3day	78.83	7.00	0.00	0.0006	38773	64.16	17.42	64.15	16.97
TURNPIKE ROW	BASE	100year 3day	72.00	5.00	0.00	-1.0000	0	90.00	6.47	0.00	0.00
441 MH1	BASE	10year 1day	14.17	5.70	0.00	0.0438	176	0.00	40.76	0.03	8.67
441 MH2	BASE	10year 1day	14.17	5.69	0.00	-0.0046	158	0.03	8.67	0.00	0.00
441 SOUTH	BASE	10year 1day	14.17	5.69	0.00	-0.0453	5048	12.08	30.52	0.00	40.76
C-11	BASE	10year 1day	24.00	4.10	0.00	0.0001	0	14.42	27.80	0.00	0.00
GRIFFIN RD	BASE	10year 1day	14.21	5.69	0.00	-0.0191	174453	12.25	56.50	14.21	21.94
S ROAD	BASE	10year 1day	26.77	4.92	0.00	0.0009	8836	12.17	2.62	12.26	2.50
SC1	BASE	10year 1day	12.24	7.61	0.00	0.0004	3760	12.00	1.87	12.24	1.11
SC2	BASE	10year 1day	12.40	7.29	0.00	0.0005	19239	12.00	5.76	12.01	3.75
SC3	BASE	10year 1day	12.40	7.30	0.00	0.0004	21589	12.00	7.76	0.00	0.00
SC4	BASE	10year 1day	15.01	4.93	0.00	0.0009	122446	12.25	9.39	15.48	1.51
SC5	BASE	10year 1day	13.61	5.13	0.00	0.0009	168427	12.08	19.80	13.61	2.99
SC6	BASE	10year 1day	15.88	4.98	0.00	0.0011	252509	12.33	18.09	15.88	3.53
SC7	BASE	10year 1day	25.25	5.51	0.00	0.0002	85470	12.00	19.15	0.00	0.00
SC8	BASE	10year 1day	25.92	4.13	0.00	0.0001	152959	12.08	14.55	0.00	0.00
SS1	BASE	10year 1day	13.29	7.04	0.00	0.0005	10405	12.00	4.28	13.29	0.50
SS10	BASE	10year 1day	21.68	6.04	0.00	0.0002	539111	12.17	143.22	14.85	5.52
SS11	BASE	10year 1day	30.00	5.65	0.00	0.0002	112692	12.08	17.84	0.00	0.00
SS12	BASE	10year 1day	15.15	6.16	0.00	0.0003	57709	13.33	6.17	15.15	2.12
SS13	BASE	10year 1day	30.00	5.65	0.00	0.0001	225462	12.25	17.26	0.00	0.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SS14	BASE	10year 1day	12.77	5.75	0.00	0.0018	99444	12.00	16.65	0.00	0.00
SS15	BASE	10year 1day	26.77	4.92	0.00	0.0001	65039	12.00	11.12	12.56	5.11
SS16	BASE	10year 1day	26.77	4.92	0.00	0.0017	49108	12.00	10.32	12.20	6.73
SS17	BASE	10year 1day	26.87	4.92	0.00	0.0001	245813	12.00	39.62	0.00	0.00
SS2	BASE	10year 1day	14.45	6.14	0.00	0.0017	146848	12.00	33.40	11.93	4.57
SS2 MH1	BASE	10year 1day	14.23	5.84	0.00	-0.0084	117	11.93	4.57	11.94	4.53
SS3	BASE	10year 1day	30.00	5.65	0.00	0.0011	229561	12.25	13.87	0.00	0.00
SS4	BASE	10year 1day	25.33	6.86	0.00	0.0004	143476	12.00	39.41	0.00	0.00
SS5	BASE	10year 1day	24.11	6.55	0.00	0.0005	97332	12.00	22.13	24.11	0.35
SS6	BASE	10year 1day	30.00	4.61	0.00	0.0002	552967	12.00	220.89	0.00	0.00
SS7	BASE	10year 1day	20.71	6.60	0.00	0.0003	311603	12.08	47.65	17.57	0.65
SS8	BASE	10year 1day	13.69	6.05	0.00	0.0004	4952	12.00	3.19	0.00	0.00
SS9	BASE	10year 1day	12.56	6.91	0.00	0.0020	86933	11.92	15.39	0.00	0.00
SW 51 ST	BASE	10year 1day	12.21	6.13	0.00	0.0009	15880	11.96	4.43	12.21	1.46
TURNPIKE ROW	BASE	10year 1day	24.00	4.10	0.00	-1.0000	0	15.10	6.14	0.00	0.00
441 MH1	BASE	25year 3day	61.53	6.48	0.00	0.0438	176	0.00	40.76	0.03	8.67
441 MH2	BASE	25year 3day	61.54	6.45	0.00	0.0063	158	0.03	8.67	61.54	3.83
441 SOUTH	BASE	25year 3day	61.52	6.49	0.00	-0.0453	19643	60.08	37.42	0.00	40.76
C-11	BASE	25year 3day	72.00	4.50	0.00	0.0000	0	61.54	59.89	0.00	0.00
GRIFFIN RD	BASE	25year 3day	61.59	6.48	0.00	-0.0191	189598	60.20	73.78	61.49	31.73
S ROAD	BASE	25year 3day	74.75	5.47	0.00	0.0007	22774	60.17	3.19	60.25	1.87
SC1	BASE	25year 3day	60.04	7.67	0.00	0.0001	4448	60.00	2.38	60.04	2.29
SC2	BASE	25year 3day	60.20	7.45	0.00	0.0002	23427	60.00	7.37	60.16	4.82
SC3	BASE	25year 3day	60.20	7.45	0.00	-0.0002	26095	59.83	3.95	0.00	0.00
SC4	BASE	25year 3day	61.40	5.18	0.00	0.0006	136555	60.25	11.74	61.55	5.16
SC5	BASE	25year 3day	60.62	5.29	0.00	0.0006	192498	60.08	21.95	60.62	9.82
SC6	BASE	25year 3day	61.52	5.24	0.00	0.0008	287687	60.33	27.19	61.52	10.96
SC7	BASE	25year 3day	64.10	6.13	0.00	0.0002	122102	60.00	28.43	64.10	1.50
SC8	BASE	25year 3day	73.92	4.59	0.00	0.0001	158123	60.08	17.77	0.00	0.00
SS1	BASE	25year 3day	60.06	7.19	0.00	-0.0001	13606	60.00	5.76	60.06	5.40
SS10	BASE	25year 3day	72.18	6.89	0.00	0.0003	1329134	60.17	174.52	90.00	5.76
SS11	BASE	25year 3day	80.67	6.54	0.00	0.0002	195425	60.00	14.62	70.74	1.40
SS12	BASE	25year 3day	80.45	6.54	0.00	0.0001	69771	60.92	7.33	61.57	5.93
SS13	BASE	25year 3day	80.67	6.54	0.00	0.0003	233091	60.25	24.11	70.31	3.80
SS14	BASE	25year 3day	81.92	6.54	0.00	0.0012	129809	59.92	13.87	69.81	7.14
SS15	BASE	25year 3day	75.65	5.47	0.00	0.0001	86651	60.00	13.75	60.19	2.20
SS16	BASE	25year 3day	75.08	5.47	0.00	0.0011	75895	60.00	12.59	59.95	4.02
SS17	BASE	25year 3day	74.84	5.47	0.00	0.0001	256702	60.00	44.26	0.00	0.00
SS2	BASE	25year 3day	63.29	6.64	0.00	0.0013	196990	60.00	43.72	67.75	3.94
SS2 MH1	BASE	25year 3day	61.69	6.52	0.00	-0.0084	117	67.75	3.94	67.74	3.94
SS3	BASE	25year 3day	80.69	6.54	0.00	0.0008	229561	60.25	17.37	70.73	0.68
SS4	BASE	25year 3day	61.68	7.29	0.00	0.0002	275334	60.00	50.01	61.68	5.11
SS5	BASE	25year 3day	61.22	6.90	0.00	0.0001	114225	60.00	27.92	61.22	8.16
SS6	BASE	25year 3day	82.11	6.54	0.00	0.0004	1136844	60.00	274.89	74.50	0.08
SS7	BASE	25year 3day	61.89	6.93	0.00	0.0002	452130	60.08	60.53	61.85	0.87
SS8	BASE	25year 3day	82.11	6.54	0.00	0.0001	11609	59.67	1.04	0.00	0.00
SS9	BASE	25year 3day	60.39	7.04	0.00	0.0002	105020	60.00	14.93	0.00	0.00
SW 51 ST	BASE	25year 3day	81.93	6.54	0.00	0.0005	21241	69.62	10.15	69.76	10.14
TURNPIKE ROW	BASE	25year 3day	72.00	4.50	0.00	-1.0000	0	62.58	6.38	0.00	0.00
441 MH1	BASE	50year 3day	61.42	6.69	0.00	0.0438	176	0.00	40.76	0.03	8.67
441 MH2	BASE	50year 3day	61.41	6.61	0.00	0.0063	158	0.03	8.67	61.41	6.10
441 SOUTH	BASE	50year 3day	61.41	6.71	0.00	-0.0453	26548	60.08	43.60	60.10	40.87
C-11	BASE	50year 3day	72.00	4.75	0.00	0.0000	0	61.50	72.06	0.00	0.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GRIFFIN RD	BASE	50year 3day	61.49	6.70	0.00	-0.0191	201087	60.22	83.25	61.41	31.71
S ROAD	BASE	50year 3day	74.78	5.68	0.00	0.0008	26744	60.17	3.71	60.27	1.70
SC1	BASE	50year 3day	60.04	7.69	0.00	-0.0002	4645	60.00	2.78	60.04	2.68
SC2	BASE	50year 3day	60.20	7.50	0.00	-0.0003	24775	60.00	8.62	60.16	5.65
SC3	BASE	50year 3day	60.20	7.50	0.00	-0.0003	27523	59.83	4.58	60.20	0.01
SC4	BASE	50year 3day	61.51	5.24	0.00	0.0007	138898	60.25	13.70	61.23	5.64
SC5	BASE	50year 3day	60.61	5.32	0.00	0.0006	197849	60.08	25.52	60.61	11.67
SC6	BASE	50year 3day	61.62	5.32	0.00	0.0009	297349	60.33	31.87	62.52	11.67
SC7	BASE	50year 3day	61.32	6.26	0.00	0.0005	133994	60.00	33.81	61.32	4.12
SC8	BASE	50year 3day	73.92	4.79	0.00	0.0003	158123	60.08	20.69	0.00	0.00
SS1	BASE	50year 3day	60.06	7.21	0.00	-0.0002	14073	60.00	6.78	60.06	6.37
SS10	BASE	50year 3day	72.17	7.10	0.00	0.0006	1525889	60.17	203.22	69.22	6.28
SS11	BASE	50year 3day	77.74	6.89	0.00	0.0005	220501	60.00	16.04	90.00	0.12
SS12	BASE	50year 3day	77.32	6.89	0.00	0.0002	100676	60.92	8.89	61.54	7.31
SS13	BASE	50year 3day	77.69	6.89	0.00	0.0006	241040	60.25	29.54	66.13	2.01
SS14	BASE	50year 3day	77.36	6.89	0.00	0.0014	129809	59.92	15.90	65.57	8.82
SS15	BASE	50year 3day	75.63	5.68	0.00	0.0003	87556	60.00	16.03	60.21	2.23
SS16	BASE	50year 3day	75.02	5.68	0.00	0.0013	79839	60.00	14.66	59.94	3.62
SS17	BASE	50year 3day	74.84	5.68	0.00	0.0003	257004	60.00	49.35	0.00	0.00
SS2	BASE	50year 3day	64.02	6.84	0.00	0.0015	214230	60.00	50.98	68.93	4.23
SS2 MH1	BASE	50year 3day	61.61	6.72	0.00	-0.0084	117	68.93	4.23	68.92	4.23
SS3	BASE	50year 3day	77.76	6.89	0.00	0.0009	229561	60.25	20.27	90.00	0.06
SS4	BASE	50year 3day	61.15	7.43	0.00	0.0003	330293	60.00	58.41	61.15	9.04
SS5	BASE	50year 3day	60.87	7.08	0.00	0.0003	120193	60.00	33.87	60.87	14.18
SS6	BASE	50year 3day	77.34	6.89	0.00	0.0009	1355703	60.00	322.03	0.00	0.00
SS7	BASE	50year 3day	61.66	7.06	0.00	0.0003	494910	60.08	67.61	61.66	1.44
SS8	BASE	50year 3day	77.35	6.89	0.00	0.0003	17748	59.67	1.18	0.00	0.00
SS9	BASE	50year 3day	60.38	7.09	0.00	-0.0003	111842	60.00	17.50	0.00	0.00
SW 51 ST	BASE	50year 3day	77.31	6.89	0.00	0.0006	34699	65.10	16.03	65.21	15.77
TURNPIKE ROW	BASE	50year 3day	72.00	4.75	0.00	-1.0000	0	90.00	6.59	0.00	0.00
441 MH1	BASE	5year 1day	15.04	5.50	0.00	0.0438	176	0.00	40.76	0.03	8.67
441 MH2	BASE	5year 1day	15.04	5.50	0.00	-0.0046	158	0.03	8.67	0.00	0.00
441 SOUTH	BASE	5year 1day	15.04	5.50	0.00	-0.0453	5425	12.08	25.02	0.00	40.76
C-11	BASE	5year 1day	24.00	3.60	0.00	0.0000	0	15.43	15.91	0.00	0.00
GRIFFIN RD	BASE	5year 1day	15.05	5.50	0.00	-0.0191	170784	12.27	43.75	15.05	13.45
S ROAD	BASE	5year 1day	26.79	4.74	0.00	0.0008	7436	12.17	2.15	12.26	2.05
SC1	BASE	5year 1day	12.61	7.56	0.00	0.0003	3270	12.00	1.51	12.61	0.46
SC2	BASE	5year 1day	12.60	7.20	0.00	0.0004	16782	12.00	4.62	12.18	2.80
SC3	BASE	5year 1day	12.60	7.20	0.00	0.0005	18944	12.08	5.36	0.00	0.00
SC4	BASE	5year 1day	16.81	4.85	0.00	0.0009	114031	12.25	7.62	17.78	0.61
SC5	BASE	5year 1day	14.43	5.07	0.00	0.0009	159284	12.08	15.97	14.43	1.19
SC6	BASE	5year 1day	17.09	4.89	0.00	0.0010	232492	12.33	14.66	17.09	1.68
SC7	BASE	5year 1day	25.25	5.19	0.00	0.0002	74551	12.00	14.44	0.00	0.00
SC8	BASE	5year 1day	25.92	4.00	0.00	0.0001	151126	12.08	11.97	0.00	0.00
SS1	BASE	5year 1day	19.36	7.02	0.00	0.0004	9900	12.00	3.36	19.36	0.12
SS10	BASE	5year 1day	20.50	5.51	0.00	0.0002	357258	12.17	117.80	14.84	5.52
SS11	BASE	5year 1day	30.00	5.30	0.00	0.0002	84020	12.08	13.81	0.00	0.00
SS12	BASE	5year 1day	16.34	6.11	0.00	0.0004	56349	13.33	4.20	16.34	1.16
SS13	BASE	5year 1day	30.00	5.35	0.00	0.0001	217380	12.25	14.00	0.00	0.00
SS14	BASE	5year 1day	13.16	5.66	0.00	0.0015	92181	12.00	13.81	0.00	0.00
SS15	BASE	5year 1day	26.81	4.74	0.00	0.0001	52922	12.00	9.08	12.70	3.34
SS16	BASE	5year 1day	12.21	4.81	0.00	0.0011	41736	12.00	8.49	12.21	5.49
SS17	BASE	5year 1day	26.81	4.74	0.00	0.0001	233696	12.00	31.05	0.00	0.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SS2	BASE	5year 1day	13.70	5.92	0.00	0.0016	124083	12.00	27.34	12.12	4.76
SS2 MH1	BASE	5year 1day	14.91	5.64	0.00	-0.0084	117	12.12	4.76	12.13	4.72
SS3	BASE	5year 1day	30.00	5.30	0.00	0.0010	217820	12.25	11.25	0.00	0.00
SS4	BASE	5year 1day	25.33	6.48	0.00	0.0003	107759	12.00	31.82	0.00	0.00
SS5	BASE	5year 1day	25.00	6.32	0.00	0.0005	83444	12.00	17.89	0.00	0.00
SS6	BASE	5year 1day	30.00	4.07	0.00	0.0002	536265	12.00	180.57	0.00	0.00
SS7	BASE	5year 1day	24.46	6.44	0.00	0.0003	252956	12.08	38.28	20.95	0.55
SS8	BASE	5year 1day	20.09	6.02	0.00	0.0003	4612	12.00	2.44	0.00	0.00
SS9	BASE	5year 1day	12.66	6.81	0.00	0.0063	73864	11.98	14.76	0.00	0.00
SW 51 ST	BASE	5year 1day	12.46	6.08	0.00	0.0010	15403	12.00	3.73	12.46	0.74
TURNPIKE ROW	BASE	5year 1day	24.00	3.60	0.00	-1.0000	0	15.10	6.02	0.00	0.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
CS SS10-TORNPI	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
CS 441 MH2-C11	BASE	100year 3day	0.00	0.00	0.000	0.00	0.00	0.00	2.00
CS GRIFFIN-C11	BASE	100year 3day	0.00	0.00	0.000	0.08	1.76	0.00	2.00
CS SS2-MH1	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
CS SS7-TURNPIKE	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
P 441-GRIFFIN	BASE	100year 3day	0.00	-17.67	0.000	0.10	1.76	0.08	1.76
P 441-MH1	BASE	100year 3day	6.28	-5.78	0.000	0.10	1.76	0.01	0.82
P 441MH1-MH2	BASE	100year 3day	6.28	-1.62	0.000	0.00	0.00	0.00	0.00
P SSMH1-GRIFFIN	BASE	100year 3day	6.18	-0.67	0.000	0.10	1.76	0.08	1.76
SC1-441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC2-441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC3-441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC4-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
SC8 GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W ROAD-SS17	BASE	100year 3day	74.64	-0.04	0.000	0.00	3.00	0.00	3.00
W SC1-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC1-SC2	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC2-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC2-SC3	BASE	100year 3day	60.22	-5.83	0.000	0.00	3.00	0.00	3.00
W SC3-C11	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-C11	BASE	100year 3day	72.00	-0.69	0.000	0.00	3.00	0.00	2.00
W SC4-SC5	BASE	100year 3day	61.65	-6.30	0.000	0.00	3.00	0.00	3.00
W SC5-C11	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC5-GRIFFIN	BASE	100year 3day	61.45	-4.39	0.000	0.00	3.00	0.08	1.76
W SC5-SC6	BASE	100year 3day	62.29	-2.54	0.000	0.00	3.00	0.00	3.00
W SC6-C11	BASE	100year 3day	72.00	-1.51	0.000	0.00	3.00	0.00	2.00
W SC6-GRIFFIN	BASE	100year 3day	61.45	-4.39	0.000	0.00	3.00	0.08	1.76
W SC7-C11	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC7-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC8 C11	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SROAD GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1 GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1-441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS1-SS2	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS10-441	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS10-SS9	BASE	100year 3day	60.37	-1.06	0.000	0.00	2.00	0.00	3.00
W SS10-TURNPIKE	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS11-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS11-S13	BASE	100year 3day	61.22	-16.79	0.000	0.00	3.00	0.00	3.00
W SS114-SW51ST	BASE	100year 3day	60.66	-8.87	0.000	0.00	3.00	0.00	3.00
W SS12-SS11	BASE	100year 3day	61.76	-8.13	0.000	0.00	3.00	0.00	3.00
W SS12-SS13	BASE	100year 3day	80.53	-0.03	0.000	0.00	3.00	0.00	3.00
W SS12-SS7	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS14	BASE	100year 3day	60.56	-15.02	0.000	0.00	3.00	0.00	3.00
W SS13-SS7	BASE	100year 3day	61.59	-14.74	0.000	0.00	3.00	0.00	3.00
W SS15-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS15-SS17	BASE	100year 3day	73.88	-0.04	0.000	0.00	3.00	0.00	3.00
W SS16-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS16-SS17	BASE	100year 3day	60.89	-0.31	0.000	0.00	3.00	0.00	3.00
W SS2 GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS2-441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS2-SS3	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS2-SS4	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
W SS3-GRIFFIN	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS3-SS11	BASE	100year 3day	60.36	-17.19	0.000	0.00	3.00	0.00	3.00
W SS3-SS5	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS4 441	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS4-SS5	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS5-SW51ST	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS6-441	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS6-SS10	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS6-SS8	BASE	100year 3day	60.06	-5.35	0.000	0.00	2.00	0.00	3.00
W SS6-SS9	BASE	100year 3day	60.37	-15.00	0.000	0.00	2.00	0.00	3.00
W SS6-TURNPIKE	BASE	100year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS7-SW51ST	BASE	100year 3day	78.83	-0.00	0.000	0.00	3.00	0.00	3.00
W SS8-SS9	BASE	100year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SW51ST-SS6	BASE	100year 3day	72.15	-0.71	0.000	0.00	3.00	0.00	2.00
CS SS10-TORNPI	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
CS 441 MH2-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	0.00	0.00	2.00
CS GRIFFIN-C11	BASE	10year 1day	0.00	0.00	0.000	0.08	1.76	0.00	2.00
CS SS2-MH1	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
CS SS7-TURNPIKE	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
P 441-GRIFFIN	BASE	10year 1day	0.00	-17.67	0.000	0.10	1.76	0.08	1.76
P 441-MH1	BASE	10year 1day	5.01	-5.78	0.000	0.10	1.76	0.01	0.82
P 441MH1-MH2	BASE	10year 1day	5.01	-1.62	0.000	0.00	0.00	0.00	0.00
P SSMH1-GRIFFIN	BASE	10year 1day	4.91	-0.71	0.000	0.10	1.76	0.08	1.76
SC1-441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC2-441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC3-441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC4-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
SC8 GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W ROAD-SS17	BASE	10year 1day	26.71	-0.01	0.000	0.00	3.00	0.00	3.00
W SC1-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC1-SC2	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC2-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC2-SC3	BASE	10year 1day	12.42	-2.56	0.000	0.00	3.00	0.00	3.00
W SC3-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-SC5	BASE	10year 1day	13.61	-1.49	0.000	0.00	3.00	0.00	3.00
W SC5-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC5-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC5-SC6	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC6-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC6-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC7-C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC7-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC8 C11	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SROAD GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1 GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1-441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS1-SS2	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS10-441	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS10-SS9	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.00	3.00
W SS10-TURNPIKE	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS11-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS11-S13	BASE	10year 1day	24.78	-1.76	0.000	0.00	3.00	0.00	3.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
W SS114-SW51ST	BASE	10year 1day	12.21	-1.46	0.000	0.00	3.00	0.00	3.00
W SS12-SS11	BASE	10year 1day	15.15	-2.12	0.000	0.00	3.00	0.00	3.00
W SS12-SS13	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS12-SS7	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS14	BASE	10year 1day	12.77	-3.97	0.000	0.00	3.00	0.00	3.00
W SS13-SS7	BASE	10year 1day	20.71	-1.00	0.000	0.00	3.00	0.00	3.00
W SS15-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS15-SS17	BASE	10year 1day	26.50	-0.01	0.000	0.00	3.00	0.00	3.00
W SS16-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS16-SS17	BASE	10year 1day	26.16	-0.01	0.000	0.00	3.00	0.00	3.00
W SS2 GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS2-441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS2-SS3	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS2-SS4	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS3-GRIFFIN	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS3-SS11	BASE	10year 1day	13.13	-6.48	0.000	0.00	3.00	0.00	3.00
W SS3-SS5	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS4 441	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS4-SS5	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS5-SW51ST	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS6-441	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS6-SS10	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS6-SS8	BASE	10year 1day	13.69	-0.31	0.000	0.00	2.00	0.00	3.00
W SS6-SS9	BASE	10year 1day	12.56	-8.30	0.000	0.00	2.00	0.00	3.00
W SS6-TURNPIKE	BASE	10year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS7-SW51ST	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS8-SS9	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SW51ST-SS6	BASE	10year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
CS SS10-TORNPI	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
CS 441 MH2-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	0.00	0.00	2.00
CS GRIFFIN-C11	BASE	25year 3day	0.00	0.00	0.000	0.08	1.76	0.00	2.00
CS SS2-MH1	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
CS SS7-TURNPIKE	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
P 441-GRIFFIN	BASE	25year 3day	0.00	-17.67	0.000	0.10	1.76	0.08	1.76
P 441-MH1	BASE	25year 3day	7.41	-5.78	0.000	0.10	1.76	0.01	0.82
P 441MH1-MH2	BASE	25year 3day	7.41	-1.62	0.000	0.00	0.00	0.00	0.00
P SSMH1-GRIFFIN	BASE	25year 3day	7.34	-0.78	0.000	0.10	1.76	0.08	1.76
SC1-441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC2-441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC3-441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC4-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
SC8 GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W ROAD-SS17	BASE	25year 3day	74.75	-0.03	0.000	0.00	3.00	0.00	3.00
W SC1-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC1-SC2	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC2-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC2-SC3	BASE	25year 3day	60.23	-4.80	0.000	0.00	3.00	0.00	3.00
W SC3-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-SC5	BASE	25year 3day	60.62	-4.91	0.000	0.00	3.00	0.00	3.00
W SC5-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC5-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC5-SC6	BASE	25year 3day	62.15	-1.22	0.000	0.00	3.00	0.00	3.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
W SC6-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC6-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC7-C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC7-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC8 C11	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SROAD GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1 GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1-441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS1-SS2	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS10-441	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS10-SS9	BASE	25year 3day	60.39	-0.23	0.000	0.00	2.00	0.00	3.00
W SS10-TURNPIKE	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS11-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS11-S13	BASE	25year 3day	61.95	-11.91	0.000	0.00	3.00	0.00	3.00
W SS114-SW51ST	BASE	25year 3day	60.70	-4.49	0.000	0.00	3.00	0.00	3.00
W SS12-SS11	BASE	25year 3day	61.57	-5.93	0.000	0.00	3.00	0.00	3.00
W SS12-SS13	BASE	25year 3day	82.48	-0.01	0.000	0.00	3.00	0.00	3.00
W SS12-SS7	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS14	BASE	25year 3day	60.59	-10.79	0.000	0.00	3.00	0.00	3.00
W SS13-SS7	BASE	25year 3day	61.89	-9.08	0.000	0.00	3.00	0.00	3.00
W SS15-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS15-SS17	BASE	25year 3day	74.11	-0.03	0.000	0.00	3.00	0.00	3.00
W SS16-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS16-SS17	BASE	25year 3day	60.94	-0.06	0.000	0.00	3.00	0.00	3.00
W SS2 GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS2-441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS2-SS3	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS2-SS4	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS3-GRIFFIN	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS3-SS11	BASE	25year 3day	60.58	-15.36	0.000	0.00	3.00	0.00	3.00
W SS3-SS5	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS4 441	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS4-SS5	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS5-SW51ST	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS6-441	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS6-SS10	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS6-SS8	BASE	25year 3day	60.06	-4.31	0.000	0.00	2.00	0.00	3.00
W SS6-SS9	BASE	25year 3day	60.39	-12.58	0.000	0.00	2.00	0.00	3.00
W SS6-TURNPIKE	BASE	25year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS7-SW51ST	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS8-SS9	BASE	25year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SW51ST-SS6	BASE	25year 3day	90.00	-0.11	0.000	0.00	3.00	0.00	2.00
CS SS10-TORNPI	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
CS 441 MH2-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	0.00	0.00	2.00
CS GRIFFIN-C11	BASE	50year 3day	0.00	0.00	0.000	0.08	1.76	0.00	2.00
CS SS2-MH1	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
CS SS7-TURNPIKE	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
P 441-GRIFFIN	BASE	50year 3day	0.00	-17.67	0.000	0.10	1.76	0.08	1.76
P 441-MH1	BASE	50year 3day	6.53	-5.78	0.000	0.10	1.76	0.01	0.82
P 441MH1-MH2	BASE	50year 3day	64.43	-1.71	0.000	0.00	0.00	0.00	0.00
P SSMH1-GRIFFIN	BASE	50year 3day	6.41	-0.67	0.000	0.10	1.76	0.08	1.76
SC1-441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC2-441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
SC3-441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC4-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
SC8 GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W ROAD-SS17	BASE	50year 3day	74.66	-0.04	0.000	0.00	3.00	0.00	3.00
W SC1-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC1-SC2	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC2-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC2-SC3	BASE	50year 3day	60.23	-5.62	0.000	0.00	3.00	0.00	3.00
W SC3-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-SC5	BASE	50year 3day	60.61	-5.84	0.000	0.00	3.00	0.00	3.00
W SC5-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC5-GRIFFIN	BASE	50year 3day	61.49	-2.84	0.000	0.00	3.00	0.08	1.76
W SC5-SC6	BASE	50year 3day	62.27	-2.18	0.000	0.00	3.00	0.00	3.00
W SC6-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC6-GRIFFIN	BASE	50year 3day	61.49	-2.84	0.000	0.00	3.00	0.08	1.76
W SC7-C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC7-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC8 C11	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SROAD GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1 GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1-441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS1-SS2	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS10-441	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS10-SS9	BASE	50year 3day	60.38	-0.84	0.000	0.00	2.00	0.00	3.00
W SS10-TURNPIKE	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS11-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS11-S13	BASE	50year 3day	61.35	-15.66	0.000	0.00	3.00	0.00	3.00
W SS114-SW51ST	BASE	50year 3day	60.65	-7.81	0.000	0.00	3.00	0.00	3.00
W SS12-SS11	BASE	50year 3day	61.54	-7.31	0.000	0.00	3.00	0.00	3.00
W SS12-SS13	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS12-SS7	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS14	BASE	50year 3day	60.64	-14.05	0.000	0.00	3.00	0.00	3.00
W SS13-SS7	BASE	50year 3day	61.66	-13.43	0.000	0.00	3.00	0.00	3.00
W SS15-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS15-SS17	BASE	50year 3day	73.91	-0.04	0.000	0.00	3.00	0.00	3.00
W SS16-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS16-SS17	BASE	50year 3day	60.90	-0.25	0.000	0.00	3.00	0.00	3.00
W SS2 GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS2-441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS2-SS3	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS2-SS4	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS3-GRIFFIN	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS3-SS11	BASE	50year 3day	60.31	-16.36	0.000	0.00	3.00	0.00	3.00
W SS3-SS5	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS4 441	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS4-SS5	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS5-SW51ST	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS6-441	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS6-SS10	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS6-SS8	BASE	50year 3day	60.06	-5.11	0.000	0.00	2.00	0.00	3.00
W SS6-SS9	BASE	50year 3day	60.38	-14.45	0.000	0.00	2.00	0.00	3.00
W SS6-TURNPIKE	BASE	50year 3day	0.00	0.00	0.000	0.00	2.00	0.00	2.00

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
W SS7-SW51ST	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS8-SS9	BASE	50year 3day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SW51ST-SS6	BASE	50year 3day	90.00	-0.39	0.000	0.00	3.00	0.00	2.00
CS SS10-TORNPI	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
CS 441 MH2-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	0.00	0.00	2.00
CS GRIFFIN-C11	BASE	5year 1day	0.00	0.00	0.000	0.08	1.76	0.00	2.00
CS SS2-MH1	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
CS SS7-TURNPIKE	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
P 441-GRIFFIN	BASE	5year 1day	0.00	-17.67	0.000	0.10	1.76	0.08	1.76
P 441-MH1	BASE	5year 1day	5.62	-5.78	0.000	0.10	1.76	0.01	0.82
P 441MH1-MH2	BASE	5year 1day	5.62	-1.62	0.000	0.00	0.00	0.00	0.00
P SSMH1-GRIFFIN	BASE	5year 1day	5.53	-0.70	0.000	0.10	1.76	0.08	1.76
SC1-441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC2-441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC3-441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
SC4-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
SC8 GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W ROAD-SS17	BASE	5year 1day	26.77	-0.00	0.000	0.00	3.00	0.00	3.00
W SC1-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC1-SC2	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC2-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC2-SC3	BASE	5year 1day	12.62	-1.47	0.000	0.00	3.00	0.00	3.00
W SC3-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC4-SC5	BASE	5year 1day	14.43	-0.59	0.000	0.00	3.00	0.00	3.00
W SC5-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC5-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC5-SC6	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SC6-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC6-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC7-C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SC7-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SC8 C11	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00
W SROAD GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1 GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS1-441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS1-SS2	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS10-441	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS10-SS9	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.00	3.00
W SS10-TURNPIKE	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS11-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS11-S13	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS114-SW51ST	BASE	5year 1day	12.46	-0.74	0.000	0.00	3.00	0.00	3.00
W SS12-SS11	BASE	5year 1day	16.34	-1.16	0.000	0.00	3.00	0.00	3.00
W SS12-SS13	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS12-SS7	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS14	BASE	5year 1day	13.16	-2.00	0.000	0.00	3.00	0.00	3.00
W SS13-SS7	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS15-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS15-SS17	BASE	5year 1day	26.46	-0.00	0.000	0.00	3.00	0.00	3.00
W SS16-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS16-SS17	BASE	5year 1day	24.91	-0.00	0.000	0.00	3.00	0.00	3.00
W SS2 GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76

Town of Davie TOC Stormwater Master Plan
ICPR Model - Existing Conditions South of C-11

Name	Group	Simulation	Min Time Flow hrs	Min Flow cfs	Min Delta Q cfs	Min Time US Stage hrs	Min US Stage ft	Min Time DS Stage ft	Min DS Stage ft
W SS2-441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS2-SS3	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS2-SS4	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS3-GRIFFIN	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.08	1.76
W SS3-SS11	BASE	5year 1day	13.42	-3.80	0.000	0.00	3.00	0.00	3.00
W SS3-SS5	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS4 441	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.10	1.76
W SS4-SS5	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS5-SW51ST	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS6-441	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.10	1.76
W SS6-SS10	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS6-SS8	BASE	5year 1day	20.09	-0.09	0.000	0.00	2.00	0.00	3.00
W SS6-SS9	BASE	5year 1day	12.66	-5.65	0.000	0.00	2.00	0.00	3.00
W SS6-TURNPIKE	BASE	5year 1day	0.00	0.00	0.000	0.00	2.00	0.00	2.00
W SS7-SW51ST	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SS8-SS9	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	3.00
W SW51ST-SS6	BASE	5year 1day	0.00	0.00	0.000	0.00	3.00	0.00	2.00

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==========================================================================================
==== Basins ==============================================================================
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        Name: 441 SOUTH BASIN          Node: 441 SOUTH              Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 23.00
              Area(ac): 8.470                   Time Shift(hrs): 0.00
          Curve Number: 96.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: GRIFFIN BASIN            Node: GRIFFIN RD             Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 69.00
              Area(ac): 14.510                  Time Shift(hrs): 0.00
          Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: S ROAD BASIN             Node: S ROAD                 Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 29.00
              Area(ac): 0.810                   Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: SC1 BASIN                Node: SC1                    Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 0.390                   Time Shift(hrs): 0.00
          Curve Number: 89.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: SC2 BASIN                Node: SC2                    Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 1.210                   Time Shift(hrs): 0.00
          Curve Number: 88.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: SC3 BASIN                Node: SC3                    Status: Onsite
       Group: BASE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 1.200                   Time Shift(hrs): 0.00
          Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
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-----------------------------------------------------------------------------------------------
        Name: SC4 BASIN                 Node: SC4                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 36.00
             Area(ac): 3.400                    Time Shift(hrs): 0.00
          Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SC5 BASIN                 Node: SC5                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 23.00
             Area(ac): 5.760                    Time Shift(hrs): 0.00
          Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SC6 BASIN                 Node: SC6                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 46.00
             Area(ac): 7.610                    Time Shift(hrs): 0.00
          Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SC7 BASIN                 Node: SC7                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 12.00
             Area(ac): 5.360                    Time Shift(hrs): 0.00
          Curve Number: 74.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SC8 BASIN                 Node: SC8                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 19.00
             Area(ac): 3.630                    Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS1 BASIN                 Node: SS1                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
             Area(ac): 0.970                    Time Shift(hrs): 0.00
          Curve Number: 82.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: SS10 BASIN                Node: SS10                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 31.00
             Area(ac): 46.060                   Time Shift(hrs): 0.00
          Curve Number: 98.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS11 BASIN                Node: SS11                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 22.00
             Area(ac): 5.820                    Time Shift(hrs): 0.00
          Curve Number: 80.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS12 BASIN                Node: SS12                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 111.00
             Area(ac): 9.830                    Time Shift(hrs): 0.00
          Curve Number: 60.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS13 BASIN                Node: SS13                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 38.00
             Area(ac): 6.430                    Time Shift(hrs): 0.00
          Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS14 BASIN                Node: SS14                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
             Area(ac): 3.380                    Time Shift(hrs): 0.00
          Curve Number: 94.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS15 BASIN                Node: SS15                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 14.00
             Area(ac): 2.520                    Time Shift(hrs): 0.00
          Curve Number: 94.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS16 BASIN                Node: SS16                    Status: Onsite
```

```
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
             Area(ac): 2.030                    Time Shift(hrs): 0.00
         Curve Number: 98.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS17 BASIN                Node: SS17                    Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
             Area(ac): 5.990                    Time Shift(hrs): 0.00
         Curve Number: 97.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS2 BASIN                 Node: SS2                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 14.00
             Area(ac): 7.520                    Time Shift(hrs): 0.00
         Curve Number: 95.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS3 BASIN                 Node: SS3                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 39.00
             Area(ac): 5.270                    Time Shift(hrs): 0.00
         Curve Number: 92.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS4 BASIN                 Node: SS4                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 13.00
             Area(ac): 8.940                    Time Shift(hrs): 0.00
         Curve Number: 90.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS5 BASIN                 Node: SS5                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                   Peaking Factor: 256.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
             Area(ac): 4.560                    Time Shift(hrs): 0.00
         Curve Number: 90.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS6 BASIN                 Node: SS6                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: Uh256                    Peaking Factor: 256.0
         Rainfall File:                       Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                   Time of Conc(min): 13.00
              Area(ac): 48.160                    Time Shift(hrs): 0.00
          Curve Number: 95.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS7 BASIN                 Node: SS7                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                    Peaking Factor: 256.0
         Rainfall File:                       Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                   Time of Conc(min): 23.00
              Area(ac): 14.010                    Time Shift(hrs): 0.00
          Curve Number: 89.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS8 BASIN                 Node: SS8                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                    Peaking Factor: 256.0
         Rainfall File:                       Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                   Time of Conc(min): 10.00
              Area(ac): 0.800                     Time Shift(hrs): 0.00
          Curve Number: 76.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SS9 BASIN                 Node: SS9                     Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                    Peaking Factor: 256.0
         Rainfall File:                       Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                   Time of Conc(min): 13.00
              Area(ac): 4.320                     Time Shift(hrs): 0.00
          Curve Number: 90.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: SW51ST BASIN              Node: SW 51 ST                Status: Onsite
       Group: BASE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh256                    Peaking Factor: 256.0
         Rainfall File:                       Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                   Time of Conc(min): 10.00
              Area(ac): 0.920                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


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

      Name: 441 MH1             Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                 Plunge Factor: 1.00           Warn Stage(ft): 0.000
      Type: Manhole, Flat Floor


      Stage(ft)        Area(ac)
--------------- ---------------

-----------------------------------------------------------------------------------------------
      Name: 441 MH2             Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                 Plunge Factor: 1.00           Warn Stage(ft): 0.000
      Type: Manhole, Flat Floor
```

Stage(ft)	Area(ac)

Name: 441 SOUTH Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
6.000	0.5000
7.500	0.5500
8.000	1.7100
8.500	3.7300
9.000	6.5900

Name: C-11 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	999.000
200.00	999.000

Name: GRIFFIN RD Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.9000
4.000	2.4800
4.500	4.1800
5.000	5.9800
5.500	7.8900
6.000	9.9000
6.500	12.0300
7.000	14.2600
7.500	17.0300
8.000	20.7900
8.500	25.5700
9.000	31.3400

Name: S ROAD Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.0700
5.500	0.2700
6.000	0.6100
6.500	1.0100
7.000	1.4200
7.500	1.8200
8.000	2.2300
8.500	2.6300
9.000	3.0400

Name: SC1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
7.500	0.1000
8.000	0.1500
8.500	0.2800
9.000	0.4200

Name: SC2 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
6.500	0.1300
7.000	0.2000
7.500	0.3900
8.000	0.7700
8.500	1.3000
9.000	1.8600

Name: SC3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
6.500	0.2000
7.000	0.2700
7.500	0.5000
8.000	0.9000
8.500	1.3900
9.000	1.8800

Name: SC4 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0200
4.500	0.5000
5.000	1.7900
5.500	3.4900
6.000	5.1900
6.500	6.8900
7.000	8.5900
7.500	10.2900
8.000	11.9900
8.500	13.6900
9.000	15.3900

Name: SC5 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0700
4.500	0.4000
5.000	1.5200
5.500	3.8100

6.000	6.6900
6.500	9.5700
7.000	12.4500
7.500	15.3300
8.000	18.2100
8.500	21.0900
9.000	23.9700

Name: SC6 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.1800
4.500	1.1900
5.000	3.5200
5.500	7.0900
6.000	10.8900
6.500	14.7000
7.000	18.5000
7.500	22.3100
8.000	26.1100
8.500	29.9200
9.000	33.7200

Name: SC7 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.1300
4.500	0.8500
5.000	1.4800
5.500	2.4200
6.000	3.4300
6.500	4.9400
7.000	7.0400
7.500	9.4200
8.000	11.8000
8.500	14.1800
9.000	16.2100

Name: SC8 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.6100
4.000	2.2700
4.500	4.0800
5.000	5.9000
5.500	7.7100
6.000	9.5300
6.500	11.3400
7.000	13.1600
7.500	14.9700
8.000	16.7900
8.500	18.6000
9.000	20.4200

Name: SS1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
3.000	0.0000
5.000	0.1000
5.500	0.1001
6.000	0.1010
6.500	0.1200
7.000	0.2200
7.500	0.4600
8.000	0.8400
8.500	1.2900
9.000	1.7400

Name: SS10 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.000	4.0900
4.000	10.1600
4.500	13.6100
5.000	17.3100
5.500	21.2500
6.000	25.4400
6.500	32.8300
7.000	46.4100
7.500	66.0600
8.000	88.6700
8.500	111.2900
9.000	133.9000

Name: SS11 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.3000
5.000	0.8300
5.500	1.7200
6.000	3.1100
6.500	5.0500
7.000	7.5300
7.500	10.2900
8.000	13.0400
8.500	15.8000
9.000	18.5500

Name: SS12 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.500	0.1600
6.000	0.6400
6.500	1.3900
7.000	2.1600
7.500	3.9200
8.000	7.6800
8.500	12.4300
9.000	17.1800

Name: SS13 Base Flow(cfs): 0.000 Init Stage(ft): 3.000

Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.0600
4.000	0.2400
4.500	1.0600
5.000	3.0600
5.500	5.6400
6.000	8.2300
6.500	10.8300
7.000	13.5600
7.500	16.4200
8.000	19.4200
8.500	22.5000
9.000	25.5900

Name: SS14 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.0400
5.500	0.6200
6.000	1.8700
6.500	3.3600
7.000	4.8500
7.500	6.3400
8.000	7.8300
8.500	9.3200
9.000	10.8100

Name: SS15 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.2200
4.500	0.4400
5.000	1.0500
5.500	2.0600
6.000	3.0600
6.500	4.0700
7.000	5.0700
7.500	6.0800
8.000	7.0800
8.500	8.0900
9.000	9.0900

Name: SS16 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	0.1100
5.000	0.5600
5.500	1.3600
6.000	2.3300
6.500	3.3000
7.000	4.2700
7.500	5.2400

8.000	6.2100
8.500	7.1800
9.000	8.1500

Name: SS17 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	0.4100
4.000	1.6300
4.500	3.7900
5.000	6.6100
5.500	9.5600
6.000	12.5100
6.500	15.4600
7.000	18.4100
7.500	21.3600
8.000	24.3100
8.500	27.2600
9.000	30.2100

Name: SS2 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.5900
5.500	1.3300
6.000	2.5500
6.500	4.3500
7.000	6.8000
7.500	9.5800
8.000	12.3600
8.500	15.1400
9.000	17.9200

Name: SS2 MH1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: SS3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	0.0010
4.500	0.6600
5.000	2.6400
5.500	5.2700
6.000	7.9100
6.500	10.5400
7.000	13.1800
7.500	15.8100
8.000	18.4500
8.500	21.0800
9.000	23.7200

Name: SS4 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.000	1.0500
5.000	2.1000
6.000	3.2500
7.000	4.9800
7.700	8.8000
8.000	13.2100
9.000	17.2200

Name: SS5 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
5.000	0.8500
5.500	1.0300
6.000	1.5800
6.500	2.4800
7.000	3.7600
7.500	5.2100
8.000	6.6700
8.500	8.1200
9.000	9.5800

Name: SS6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.000	13.6700
4.000	25.9400
4.500	32.0800
5.000	38.4600
5.500	45.3600
6.000	53.1400
6.500	64.1100
7.000	78.6500
7.500	96.7500
8.000	116.8900
8.500	137.2900
9.000	157.6800

Name: SS7 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
4.500	1.2500
5.000	1.9400
5.500	2.8000
6.000	4.0000
6.500	5.8400
7.000	10.1900
7.500	16.8800
8.000	23.8900
8.500	30.8900
9.000	37.9000

```
-------------------------------------------------------------------------------------------
      Name: SS8                  Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                                 Warn Stage(ft): 0.000
      Type: Stage/Volume


      Stage(ft)       Volume(af)
--------------- ---------------
          3.000           0.0000
          5.000           0.2000
          5.500           0.2100
          6.000           0.2300
          6.500           0.3100
          7.000           0.4800
          7.500           0.7600
          8.000           1.0900
          8.500           1.4200
          9.000           1.7600

-------------------------------------------------------------------------------------------
      Name: SS9                  Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                                 Warn Stage(ft): 0.000
      Type: Stage/Volume


      Stage(ft)       Volume(af)
--------------- ---------------
          3.000           0.0000
          5.000           0.5000
          5.500           0.5100
          6.000           0.5200
          6.500           0.5400
          7.000           1.1900
          7.500           2.8400
          8.000           5.0000
          8.500           7.1600
          9.000           9.3200

-------------------------------------------------------------------------------------------
      Name: SW 51 ST             Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                                 Warn Stage(ft): 0.000
      Type: Stage/Volume


      Stage(ft)       Volume(af)
--------------- ---------------
          3.000           0.0000
          6.500           0.1500
          7.000           0.5800
          7.500           1.0400
          8.000           1.5000
          8.500           1.9600
          9.000           2.4200

-------------------------------------------------------------------------------------------
      Name: TURNPIKE ROW         Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: BASE                                                 Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)        Stage(ft)
--------------- ---------------
           3.00          888.000
         200.00          888.000

===========================================================================================
==== Pipes ================================================================================
===========================================================================================

         Name: P 441-GRIFFIN       From Node: 441 SOUTH          Length(ft): 500.00
        Group: BASE                  To Node: GRIFFIN RD               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM        DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse    Horz Ellipse                              Flow: Both
     Span(in): 76.00           76.00                       Entrance Loss Coef: 0.00
```

```
     Rise(in): 48.00          48.00                        Exit Loss Coef: 1.00
   Invert(ft): -1.000         -1.000                       Bend Loss Coef: 0.00
  Manning's N: 0.025000       0.025000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------------
         Name: P 441-MH1          From Node: 441 SOUTH          Length(ft): 210.00
        Group: BASE                 To Node: 441 MH1                 Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.00
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): -1.000         -1.000                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P 441MH1-MH2       From Node: 441 MH1            Length(ft): 600.00
        Group: BASE                 To Node: 441 MH2                 Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.00
     Rise(in): 36.00          36.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          0.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


-----------------------------------------------------------------------------------------------------
         Name: P SSMH1-GRIFFIN    From Node: SS2 MH1            Length(ft): 116.00
        Group: BASE                 To Node: GRIFFIN RD              Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.00
     Rise(in): 18.00          18.00                           Exit Loss Coef: 1.00
   Invert(ft): 1.000          1.000                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.015000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


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

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


==========================================================================================
==== Drop Structures ======================================================================
==========================================================================================

         Name: CS  SS10-TORNPI     From Node: SS10              Length(ft): 200.00
        Group: BASE                  To Node: TURNPIKE ROW           Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                   Entrance Loss Coef: 0.000
   Invert(ft): 0.130          0.130                       Exit Loss Coef: 1.000
  Manning's N: 0.025000       0.025000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS  SS10-TORNPI ***
                                                                                  TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Circular               Orifice Disc Coef: 0.600

               Span(in): 18.00                        Invert(ft): 4.250
               Rise(in): 18.00                  Control Elev(ft): 4.250


------------------------------------------------------------------------------------------
         Name: CS 441 MH2-C11      From Node: 441 MH2           Length(ft): 55.00
        Group: BASE                  To Node: C-11                   Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                       Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS 441 MH2-C11 ***
                                                                                  TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 6.000
               Rise(in): 36.00                  Control Elev(ft): 6.000


------------------------------------------------------------------------------------------
         Name: CS GRIFFIN-C11      From Node: GRIFFIN RD        Length(ft): 500.00
        Group: BASE                  To Node: C-11                   Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.000
```

```
   Invert(ft): -1.000          0.000                        Exit Loss Coef: 1.000
  Manning's N: 0.015000        0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000           0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000           0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS GRIFFIN-C11 ***
                                                                                    TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 36.00                        Invert(ft): 5.000
              Rise(in): 36.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: CS SS2-MH1          From Node: SS2                Length(ft): 16.00
        Group: BASE                  To Node: SS2 MH1                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                        Exit Loss Coef: 1.000
  Manning's N: 0.015000       0.015000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 1 for Drop Structure CS SS2-MH1 ***
                                                                                    TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Circular               Orifice Disc Coef: 0.600

              Span(in): 15.00                        Invert(ft): 5.000
              Rise(in): 15.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: CS SS7-TURNPIKE     From Node: SS7                Length(ft): 30.00
        Group: BASE                  To Node: TURNPIKE ROW            Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                    Entrance Loss Coef: 0.000
   Invert(ft): 1.000          1.000                        Exit Loss Coef: 1.000
  Manning's N: 0.025000       0.025000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

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

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


*** Weir 1 of 3 for Drop Structure CS SS7-TURNPIKE ***
                                                                                    TABLE
                 Count: 1                       Bottom Clip(in): 0.000
```

```
                 Type: Vertical: Mavis          Top Clip(in): 0.000
                 Flow: Both                   Weir Disc Coef: 3.200
             Geometry: Circular             Orifice Disc Coef: 0.600

             Span(in): 3.00                       Invert(ft): 3.000
             Rise(in): 3.00                 Control Elev(ft): 3.000

*** Weir 2 of 3 for Drop Structure CS SS7-TURNPIKE ***
                                                                    TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Vertical: Mavis          Top Clip(in): 0.000
                 Flow: Both                   Weir Disc Coef: 3.200
             Geometry: Rectangular          Orifice Disc Coef: 0.600

             Span(in): 2.00                       Invert(ft): 6.000
             Rise(in): 12.00                Control Elev(ft): 6.000

*** Weir 3 of 3 for Drop Structure CS SS7-TURNPIKE ***
                                                                    TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Vertical: Mavis          Top Clip(in): 0.000
                 Flow: Both                   Weir Disc Coef: 3.200
             Geometry: Rectangular          Orifice Disc Coef: 0.600

             Span(in): 36.00                      Invert(ft): 7.100
             Rise(in): 12.00                Control Elev(ft): 7.100


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

        Name: SC1-441             From Node: SC1
       Group: BASE                  To Node: 441 SOUTH
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 8.000
     Control Elevation(ft): 8.000
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
        Name: SC2-441             From Node: SC2
       Group: BASE                  To Node: 441 SOUTH
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 8.000
     Control Elevation(ft): 8.000
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
        Name: SC3-441             From Node: SC3
       Group: BASE                  To Node: 441 SOUTH
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 8.000
     Control Elevation(ft): 8.000
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
```

```
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: SC4-GRIFFIN         From Node: SC4
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
     Control Elevation(ft): 7.000
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: SC8 GRIFFIN         From Node: SC8
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 9.000
     Control Elevation(ft): 9.000
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W ROAD-SS17         From Node: S ROAD
       Group: BASE                  To Node: SS17
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 4.500
     Control Elevation(ft): 4.500
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC1-GRIFFIN       From Node: SC1
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
     Control Elevation(ft): 7.500
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC1-SC2           From Node: SC1
       Group: BASE                  To Node: SC2
```

```
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 8.000
      Control Elevation(ft): 8.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: W SC2-GRIFFIN       From Node: SC2
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: W SC2-SC3           From Node: SC2
       Group: BASE                  To Node: SC3
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: W SC3-C11           From Node: SC3
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: W SC4-C11           From Node: SC4
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 4.750
      Control Elevation(ft): 4.750
                                          TABLE
```

```
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC4-SC5           From Node: SC4
       Group: BASE                  To Node: SC5
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.000
     Control Elevation(ft): 5.000
                                         TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC5-C11           From Node: SC5
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.000
     Control Elevation(ft): 5.000
                                         TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC5-GRIFFIN       From Node: SC5
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
     Control Elevation(ft): 6.500
                                         TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SC5-SC6           From Node: SC5
       Group: BASE                  To Node: SC6
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.000
     Control Elevation(ft): 5.000
                                         TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
```

```
---------------------------------------------------------------------------------------------------
        Name: W SC6-C11           From Node: SC6
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 4.750
      Control Elevation(ft): 4.750
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: W SC6-GRIFFIN       From Node: SC6
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: W SC7-C11           From Node: SC7
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: W SC7-GRIFFIN       From Node: SC7
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 8.000
      Control Elevation(ft): 8.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
        Name: W SC8 C11           From Node: SC8
       Group: BASE                  To Node: C-11
        Flow: Both                    Count: 1
        Type: Vertical: Gravel     Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.000
```

```
      Control Elevation(ft): 5.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SROAD GRIFFIN     From Node: S ROAD
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 8.500
      Control Elevation(ft): 8.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS1 GRIFFIN       From Node: SS1
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS1-441           From Node: SS1
       Group: BASE                  To Node: 441 SOUTH
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS1-SS2           From Node: SS1
       Group: BASE                  To Node: SS2
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: W SS10-441          From Node: SS10
       Group: BASE                  To Node: 441 SOUTH
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 8.000
      Control Elevation(ft): 8.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS10-SS9          From Node: SS10
       Group: BASE                  To Node: SS9
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS10-TURNPIKE     From Node: SS10
       Group: BASE                  To Node: TURNPIKE ROW
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.200
      Control Elevation(ft): 7.200
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS11-GRIFFIN      From Node: SS11
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS11-S13          From Node: SS11
       Group: BASE                  To Node: SS13
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
```

```
                  Rise(in): 36.00
                Invert(ft): 5.500
     Control Elevation(ft): 5.500
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS114-SW51ST      From Node: SS14
       Group: BASE                  To Node: SW 51 ST
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS12-SS11         From Node: SS11
       Group: BASE                  To Node: SS12
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS12-SS13         From Node: SS12
       Group: BASE                  To Node: SS13
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 6.000
     Control Elevation(ft): 6.000
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS12-SS7          From Node: SS12
       Group: BASE                  To Node: SS7
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 120.00
                  Rise(in): 36.00
                Invert(ft): 7.250
     Control Elevation(ft): 7.250
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: W SS13-SS14          From Node: SS13
       Group: BASE                   To Node: SS14
        Flow: Both                     Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.500
      Control Elevation(ft): 5.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS13-SS7           From Node: SS13
       Group: BASE                   To Node: SS7
        Flow: Both                     Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS15-GRIFFIN       From Node: SS15
       Group: BASE                   To Node: GRIFFIN RD
        Flow: Both                     Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS15-SS17          From Node: SS15
       Group: BASE                   To Node: SS17
        Flow: Both                     Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 4.500
      Control Elevation(ft): 4.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS16-GRIFFIN       From Node: SS16
       Group: BASE                   To Node: GRIFFIN RD
        Flow: Both                     Count: 1
        Type: Vertical: Fread      Geometry: Rectangular
```

```
                Span(in): 120.00
                Rise(in): 36.00
              Invert(ft): 7.500
   Control Elevation(ft): 7.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W SS16-SS17          From Node: SS16
     Group: BASE                   To Node: SS17
      Flow: Both                     Count: 1
      Type: Vertical: Fread       Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
              Invert(ft): 4.500
   Control Elevation(ft): 4.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W SS2 GRIFFIN        From Node: SS2
     Group: BASE                   To Node: GRIFFIN RD
      Flow: Both                     Count: 1
      Type: Vertical: Paved       Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
              Invert(ft): 7.500
   Control Elevation(ft): 7.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W SS2-441            From Node: SS2
     Group: BASE                   To Node: 441 SOUTH
      Flow: Both                     Count: 1
      Type: Vertical: Paved       Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
              Invert(ft): 7.500
   Control Elevation(ft): 7.500
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
     Weir Discharge Coef: 3.200
  Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
      Name: W SS2-SS3            From Node: SS2
     Group: BASE                   To Node: SS3
      Flow: Both                     Count: 1
      Type: Vertical: Fread       Geometry: Rectangular

                Span(in): 120.00
                Rise(in): 36.00
              Invert(ft): 7.750
   Control Elevation(ft): 7.750
                                          TABLE
         Bottom Clip(in): 0.000
            Top Clip(in): 0.000
```

```
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS2-SS4           From Node: SS2
       Group: BASE                  To Node: SS4
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 8.000
     Control Elevation(ft): 8.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS3-GRIFFIN       From Node: SS3
       Group: BASE                  To Node: GRIFFIN RD
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 9.000
     Control Elevation(ft): 9.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS3-SS11          From Node: SS3
       Group: BASE                  To Node: SS11
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 5.000
     Control Elevation(ft): 5.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS3-SS5           From Node: SS3
       Group: BASE                  To Node: SS5
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 9.000
     Control Elevation(ft): 9.000
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS4 441           From Node: SS4
       Group: BASE                  To Node: 441 SOUTH
```

```
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS4-SS5             From Node: SS4
       Group: BASE                    To Node: SS5
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS5-SW51ST          From Node: SS5
       Group: BASE                    To Node: SW 51 ST
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS6-441             From Node: SS6
       Group: BASE                    To Node: 441 SOUTH
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: W SS6-SS10            From Node: SS6
       Group: BASE                    To Node: SS10
        Flow: Both                      Count: 1
        Type: Vertical: Paved       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
      Control Elevation(ft): 7.500
                                          TABLE
```

```
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------
        Name: W SS6-SS8           From Node: SS6
       Group: BASE                  To Node: SS8
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
      Control Elevation(ft): 6.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------
        Name: W SS6-SS9           From Node: SS6
       Group: BASE                  To Node: SS9
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.500
      Control Elevation(ft): 6.500
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------
        Name: W SS6-TURNPIKE      From Node: SS6
       Group: BASE                  To Node: TURNPIKE ROW
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.100
      Control Elevation(ft): 7.100
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------
        Name: W SS7-SW51ST        From Node: SS7
       Group: BASE                  To Node: SW 51 ST
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.000
      Control Elevation(ft): 7.000
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------
```

```
         Name: W SS8-SS9           From Node: SS9
        Group: BASE                  To Node: SS8
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 7.500
       Control Elevation(ft): 7.500
                                        TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: W SW51ST-SS6        From Node: SW 51 ST
        Group: BASE                  To Node: SS6
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 6.000
       Control Elevation(ft): 6.000
                                        TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


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

         Name: 10 year 1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\10 year 1day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: SFWMD24
    Rainfall Amount(in): 8.50

Time(hrs)        Print Inc(min)
---------------- ---------------
30.000           5.00

-----------------------------------------------------------------------------------------------
         Name: 100year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\100year 3day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 17.00

Time(hrs)        Print Inc(min)
---------------- ---------------
90.000           5.00

-----------------------------------------------------------------------------------------------
         Name: 25 year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\25 year 3day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 14.00

Time(hrs)        Print Inc(min)
---------------- ---------------
90.000           5.00

-----------------------------------------------------------------------------------------------
         Name: 5 year 1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\5 year 1day.R32
```

```
      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: SFWMD24
    Rainfall Amount(in): 7.00

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 50year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\50year 3day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 16.30

Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          5.00

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

         Name: 100year 3day        Hydrology Sim: 100year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\100year 3day.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 100year-3day             Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

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


-----------------------------------------------------------------------------------------------
         Name: 10year 1day         Hydrology Sim: 10 year 1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\10year 1day.I32

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

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 10year-1day              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.000

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


-----------------------------------------------------------------------------------------------
         Name: 25year 3day         Hydrology Sim: 25 year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\25year 3day.I32

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

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 25year-3day              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

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


-----------------------------------------------------------------------------------------------
         Name: 50year 3day         Hydrology Sim: 50year 3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\50year 3day.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 90.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 50year-3day              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
90.000          15.000

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


-----------------------------------------------------------------------------------------------
         Name: 5year 1day          Hydrology Sim: 5 year 1day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\Existing\Existing South of C11\5year 1day.I32

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

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 30.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 5year-1day               Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.000

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


===============================================================================================
==== Boundary Conditions ======================================================================
===============================================================================================

      Name: 5year-1day            Node: C-11                  Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           2.000
         12.000           2.500
         24.000           3.600
         36.000           3.300
         96.000           2.000
```

Name: 10year-1day Node: C-11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
12.000	3.000
24.000	4.100
36.000	3.800
96.000	2.000

Name: 25year-3day Node: C-11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.750
72.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 50year-3day Node: C-11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.900
72.000	4.750
96.000	3.750
120.000	2.900
200.000	2.000

Name: 100year-3day Node: C-11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	3.000
72.000	5.000
96.000	4.000
120.000	3.000
200.000	2.000

Name: 5year-1day Node: TURNPIKE ROW Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
12.000	2.500
24.000	3.600
36.000	3.300
96.000	2.000

Name: 10year-1day Node: TURNPIKE ROW Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
12.000	3.000
24.000	4.100
36.000	3.800
96.000	2.000

Name: 25year-3day Node: TURNPIKE ROW Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.750
72.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 50year-3day Node: TURNPIKE ROW Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.900
72.000	4.750
96.000	3.750
120.000	2.900
200.000	2.000

Name: 100year-3day Node: TURNPIKE ROW Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	3.000
72.000	5.000
96.000	4.000
120.000	3.000
200.000	2.000

APPENDIX 5: DRAINAGE CALCULATIONS & ICPR MODEL OF THE FINAL STORMWATER MASTER PLAN

APPENDIX 5 — FINAL STORMWATER MASTER PLAN DRAINAGE CALCULATIONS AND ICPR MODELING

A5.1 DRAINAGE CALCULATIONS SEPARATED BY BASIN/SUB-BASIN

LAND USE BREAK DOWN, GRADING PARAMETERS, STAGE-STORAGE RELATIONSHIP, SOIL STORAGE & CN CURVE NUMBER

NORTHEND SUB-BASIN

NORTHEAST SUB-BASIN

NORTH CBWCD SUB-BASIN

THISCD BASIN

SOUTH C-11 BASIN

SOUTH BASIN

A5.2 COMBINED CALCULATIONS PER BASIN/SUB-BASIN (EXHIBIT 9)

LAND USE BREAKDOWNS, FLOOD ENCROACHMENT VOLUMETRIC CALCULATIONS, MAXIMUM DISCHARGE RATES FOR WATER QUALITY & QUANTITY

A5.3 ICPR MODEL FOR THE TOC STORMATER MASTER PLAN NORTH OF THE C-11

ICPR NODAL DIAGRAM

ICPR RESULTS INCLUDING MAXIMUM STAGE AND MAXIMUM FLOW RATES

ICPR INPUT DATA

A5.4 ICPR MODEL FOR THE TOC STORMATER MASTER PLAN SOUTH OF THE C-11

ICPR NODAL DIAGRAM

ICPR RESULTS INCLUDING MAXIMUM STAGE AND MAXIMUM FLOW RATES

ICPR INPUT DATA

A5.5 CD OF FINAL ICPR FILES FOR THE TOC STORMATER MASTER PLAN NORTH & SOUTH OF THE C-11

NORTHEND POST DEVELOPMENT LANDUSE 35-45-20							10/2013
	SITE AREAS (acres)						
Basin ID	Total	Building	Pavement	Green	Dry Retention	Lake	Storage at Flood Encroachment El. (6.50' NGVD)
Nend P1	35.41	10.21	13.13	5.83	2.00	4.24	20.91
Nend P2	3.35	1.00	1.28	0.57	0.50	0.00	1.65
Nend P3	3.80	1.14	1.47	0.65	0.54	0.00	1.81
Nend G1	1.25	0.00	0.00	0.15	1.10	0.00	2.63
Nend Burris	0.99	0.00	0.94	0.05	0.00	0.00	0.11
Nend 84 Spur	1.28	0.00	1.02	0.26	0.00	0.00	0.23
Total:	**46.08**	12.35	17.84	7.51	4.14	4.24	**27.32**

Nend P1 35.41

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		10.21	V	8.50	8.50	0.00
Pavement		13.13	L	6.25	8.25	2.00
Green		5.83	L	5.75	10.00	4.25
Retention Bot.		2.00	V	4.00	5.00	1.00
Lake		4.24	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		35.41				

Retain pre-treatment volume onsite: 1.48 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	2.12	0.00	2.12
4.00	0.00	0.00	0.00	0.00	4.24	0.00	4.24
4.50	0.00	0.00	0.00	0.25	6.36	0.00	6.61
5.00	0.00	0.00	0.00	1.00	8.48	0.00	10.96
5.50	0.00	0.00	0.00	2.00	10.60	0.00	14.08
6.00	0.00	0.00	0.04	3.00	12.72	0.00	17.24
6.50	0.00	0.21	0.39	4.00	14.84	0.00	20.91
7.00	0.00	1.85	1.07	5.00	16.96	0.00	26.35
7.50	0.00	5.13	2.10	6.00	19.08	0.00	33.78
8.00	0.00	10.05	3.47	7.00	21.20	0.00	43.20
8.50	0.00	16.41	5.19	8.00	23.32	0.00	54.39
9.00	5.10	22.97	7.25	9.00	25.44	0.00	71.24

Soil Storage: 1.49

Curve No. (CN): 87

Nend P2 **3.35**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.00	V	10.00	10.00	0.00
Pavement		1.28	L	6.25	7.75	1.50
Green		0.57	L	5.00	7.75	2.75
Retention Bot.		0.50	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		3.35				

Retain pre-treatment volume onsite: 0.14 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.25	0.00	0.00	0.25
5.00	0.00	0.00	0.00	0.50	0.00	0.00	0.64
5.50	0.00	0.00	0.03	0.75	0.00	0.00	0.92
6.00	0.00	0.00	0.10	1.00	0.00	0.00	1.24
6.50	0.00	0.03	0.23	1.25	0.00	0.00	1.65
7.00	0.00	0.24	0.41	1.50	0.00	0.00	2.29
7.50	0.00	0.67	0.65	1.75	0.00	0.00	3.21
8.00	0.00	1.28	0.93	2.00	0.00	0.00	4.35
8.50	0.00	1.92	1.21	2.25	0.00	0.00	5.52
9.00	0.00	2.57	1.50	2.50	0.00	0.00	6.70

Soil Storage: **0.78**

Curve No. (CN): **93**

Nend P3 **3.80**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.14	V	10.00	10.00	0.00
Pavement		1.47	L	6.25	7.75	1.50
Green		0.65	L	5.00	7.75	2.75
Retention Bot.		0.54	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		3.80				

Retain pre-treatment volume onsite: 0.16 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.27	0.00	0.00	0.27
5.00	0.00	0.00	0.00	0.54	0.00	0.00	0.70
5.50	0.00	0.00	0.03	0.81	0.00	0.00	1.00
6.00	0.00	0.00	0.12	1.08	0.00	0.00	1.36
6.50	0.00	0.03	0.27	1.35	0.00	0.00	1.81
7.00	0.00	0.28	0.47	1.62	0.00	0.00	2.53
7.50	0.00	0.76	0.74	1.89	0.00	0.00	3.55
8.00	0.00	1.47	1.06	2.16	0.00	0.00	4.84
8.50	0.00	2.20	1.39	2.43	0.00	0.00	6.17
9.00	0.00	2.93	1.71	2.70	0.00	0.00	7.50

Soil Storage: **0.79**

Curve No. (CN): **93**

Nend G1 1.25

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.15	L	5.00	6.00	1.00
Retention Bot.		1.10	V	4.00	4.50	0.50
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		1.25				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.28	0.00	0.00	0.28
5.00	0.00	0.00	0.00	0.83	0.00	0.00	0.83
5.50	0.00	0.00	0.02	1.38	0.00	0.00	1.39
6.00	0.00	0.00	0.08	1.93	0.00	0.00	2.00
6.50	0.00	0.00	0.15	2.48	0.00	0.00	2.63
7.00	0.00	0.00	0.23	3.03	0.00	0.00	3.25
7.50	0.00	0.00	0.30	3.58	0.00	0.00	3.88
8.00	0.00	0.00	0.38	4.13	0.00	0.00	4.50
8.50	0.00	0.00	0.45	4.68	0.00	0.00	5.13
9.00	0.00	0.00	0.53	5.23	0.00	0.00	5.75

Soil Storage: **1.09**
Curve No. (CN): **90**

Nend Burris 0.99

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.94	L	6.00	7.50	1.50
Green		0.05	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.99				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
6.50	0.00	0.08	0.03	0.00	0.00	0.00	0.11
7.00	0.00	0.31	0.05	0.00	0.00	0.00	0.36
7.50	0.00	0.71	0.07	0.00	0.00	0.00	0.78
8.00	0.00	1.18	0.10	0.00	0.00	0.00	1.27
8.50	0.00	1.65	0.12	0.00	0.00	0.00	1.77
9.00	0.00	2.12	0.15	0.00	0.00	0.00	2.26

Soil Storage: **0.20**
Curve No. (CN): **98**

Nend 84 Spur 1.28

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		1.02	L	6.00	7.50	1.50
Green		0.26	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		1.28				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.50	0.00	0.00	0.02	0.00	0.00	0.00	0.02
6.00	0.00	0.00	0.06	0.00	0.00	0.00	0.06
6.50	0.00	0.09	0.14	0.00	0.00	0.00	0.23
7.00	0.00	0.34	0.26	0.00	0.00	0.00	0.60
7.50	0.00	0.77	0.38	0.00	0.00	0.00	1.15
8.00	0.00	1.28	0.51	0.00	0.00	0.00	1.79
8.50	0.00	1.79	0.64	0.00	0.00	0.00	2.43
9.00	0.00	2.30	0.77	0.00	0.00	0.00	3.07

Soil Storage: **0.81**

Curve No. (CN): **93**

Northeast Basin CBWCD POST DEVELOPMENT REVISED LANDUSE 35-45-20							10/2013
	SITE AREAS (acres)						
Basin ID	Total	Building	Pavement	Green	Dry Retention	Lake	Storage at Flood Encroachment El. (6.50' NGVD)
EAST OF BURRIS ROAD							
NE P1	6.32	2.21	2.84	1.26	0.00	0.00	1.21
NE P2	17.01	5.95	7.65	3.40	0.00	0.00	3.26
NE P3	14.33	5.02	6.45	2.87	0.00	0.00	2.75
NE G1	2.72	0.00	0.03	0.24	2.45	0.00	7.77
NE G2	4.83	0.00	0.12	1.33	3.38	0.00	12.38
NE G3	0.97	0.00	0.00	0.10	0.87	0.00	3.18
NE L1	6.80	0.00	0.00	0.00	0.00	6.80	30.60
Sub-Total:	**52.98**	**13.18**	**17.09**	**9.20**	**6.70**	**6.80**	**61.14**
BURRIS ROAD							
BURRIS 1	0.45	0.00	0.43	0.02	0.00	0.00	0.05
BURRIS 2	0.77	0.00	0.73	0.04	0.00	0.00	0.09
BURRIS 3	0.66	0.00	0.63	0.03	0.00	0.00	0.08
BURRIS 4	0.73	0.00	0.69	0.04	0.00	0.00	0.09
BURRIS 5	0.94	0.00	0.89	0.05	0.00	0.00	0.11
Sub-Total:	**3.55**	**0.00**	**3.37**	**0.18**	**0.00**	**0.00**	**0.43**
WEST OF BURRIS ROAD							
NE P4	14.73	5.16	6.63	2.95	0.00	0.00	2.82
NE L2	3.06	0.00	0.00	1.24	0.00	1.82	9.74
Sub-Total:	**17.79**	**5.16**	**6.63**	**4.19**	**0.00**	**1.82**	**12.56**
Total:	**74.32**	**18.34**	**27.10**	**13.57**	**6.70**	**8.62**	**74.13**

NE P1 **6.32**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		2.21	V	8.00	8.00	0.00
Pavement		2.84	L	6.00	7.50	1.50
Green		1.26	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		6.32				

Retain pre-treatment volume onsite: 0.26 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
5.50	0.00	0.00	0.08	0.00	0.00	0.00	0.34
6.00	0.00	0.00	0.32	0.00	0.00	0.00	0.58
6.50	0.00	0.24	0.71	0.00	0.00	0.00	1.21
7.00	0.00	0.95	1.26	0.00	0.00	0.00	2.48
7.50	0.00	2.13	1.90	0.00	0.00	0.00	4.29
8.00	0.00	3.56	2.53	0.00	0.00	0.00	6.35
8.50	1.11	4.98	3.16	0.00	0.00	0.00	9.51
9.00	2.21	6.40	3.79	0.00	0.00	0.00	12.67

Soil Storage: **1.35**

Curve No. (CN): **88**

NE P2 17.01

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		5.95	V	8.00	8.00	0.00
Pavement		7.65	L	6.00	7.50	1.50
Green		3.40	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00

17.01

Retain pre-treatment volume onsite: 0.71 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71
5.50	0.00	0.00	0.21	0.00	0.00	0.00	0.92
6.00	0.00	0.00	0.85	0.00	0.00	0.00	1.56
6.50	0.00	0.64	1.91	0.00	0.00	0.00	3.26
7.00	0.00	2.55	3.40	0.00	0.00	0.00	6.66
7.50	0.00	5.74	5.10	0.00	0.00	0.00	11.55
8.00	0.00	9.57	6.80	0.00	0.00	0.00	17.08
8.50	2.98	13.40	8.51	0.00	0.00	0.00	25.59
9.00	5.95	17.22	10.21	0.00	0.00	0.00	34.09

Soil Storage: 1.35

Curve No. (CN): 88

NE P3 **14.33**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		5.02	V	8.00	8.00	0.00
Pavement		6.45	L	6.00	7.50	1.50
Green		2.87	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		14.33				

Retain pre-treatment volume onsite: 0.60 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
5.50	0.00	0.00	0.18	0.00	0.00	0.00	0.78
6.00	0.00	0.00	0.72	0.00	0.00	0.00	1.31
6.50	0.00	0.54	1.61	0.00	0.00	0.00	2.75
7.00	0.00	2.15	2.87	0.00	0.00	0.00	5.61
7.50	0.00	4.84	4.30	0.00	0.00	0.00	9.73
8.00	0.00	8.06	5.73	0.00	0.00	0.00	14.39
8.50	2.51	11.28	7.17	0.00	0.00	0.00	21.55
9.00	5.02	14.51	8.60	0.00	0.00	0.00	28.72

Soil Storage: **1.35**

Curve No. (CN): **88**

NE G1 2.72

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.03	L	4.00	5.00	1.00
Green		0.24	L	4.00	6.00	2.00
Retention Bot.		2.45	V	3.00	4.00	1.00
Lake		0.00	V	2.00	2.00	0.00
			L	0.00	0.00	0.00
		2.72				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.31	0.00	0.00	0.31
4.00	0.00	0.00	0.00	1.22	0.00	0.00	1.22
4.50	0.00	0.00	0.02	2.45	0.00	0.00	2.47
5.00	0.00	0.01	0.06	3.67	0.00	0.00	3.75
5.50	0.00	0.03	0.14	4.90	0.00	0.00	5.06
6.00	0.00	0.04	0.24	6.12	0.00	0.00	6.41
6.50	0.00	0.05	0.37	7.34	0.00	0.00	7.77
7.00	0.00	0.07	0.49	8.57	0.00	0.00	9.13
7.50	0.00	0.08	0.61	9.79	0.00	0.00	10.49
8.00	0.00	0.10	0.73	11.02	0.00	0.00	11.85
8.50	0.00	0.11	0.86	12.24	0.00	0.00	13.21
9.00	0.00	0.12	0.98	13.46	0.00	0.00	14.57

Soil Storage: **1.39**

Curve No. (CN): **88**

NE G2 **4.83**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.12	L	4.00	5.00	1.00
Green		1.33	L	4.00	6.00	2.00
Retention Bot.		3.38	V	3.00	4.00	1.00
Lake		0.00	V	2.00	2.00	0.00
			L	0.00	0.00	0.00
		4.83				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.42	0.00	0.00	0.42
4.00	0.00	0.00	0.00	1.69	0.00	0.00	1.69
4.50	0.00	0.02	0.08	3.38	0.00	0.00	3.48
5.00	0.00	0.06	0.33	5.07	0.00	0.00	5.46
5.50	0.00	0.12	0.75	6.76	0.00	0.00	7.63
6.00	0.00	0.18	1.33	8.45	0.00	0.00	9.96
6.50	0.00	0.24	1.99	10.14	0.00	0.00	12.38
7.00	0.00	0.30	2.66	11.83	0.00	0.00	14.79
7.50	0.00	0.36	3.32	13.52	0.00	0.00	17.21
8.00	0.00	0.42	3.98	15.21	0.00	0.00	19.62
8.50	0.00	0.48	4.65	16.91	0.00	0.00	22.04
9.00	0.00	0.54	5.31	18.60	0.00	0.00	24.45

Soil Storage: **1.73**
Curve No. (CN): **85**

NE G3 0.97

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.10	L	4.00	6.50	2.50
Retention Bot.		0.87	V	3.00	3.00	0.00
Lake		0.00	V	2.00	2.00	0.00
			L	0.00	0.00	0.00
		0.97				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.44	0.00	0.00	0.44
4.00	0.00	0.00	0.00	0.87	0.00	0.00	0.87
4.50	0.00	0.00	0.00	1.31	0.00	0.00	1.31
5.00	0.00	0.00	0.02	1.75	0.00	0.00	1.77
5.50	0.00	0.00	0.04	2.18	0.00	0.00	2.23
6.00	0.00	0.00	0.08	2.62	0.00	0.00	2.70
6.50	0.00	0.00	0.12	3.06	0.00	0.00	3.18
7.00	0.00	0.00	0.17	3.49	0.00	0.00	3.66
7.50	0.00	0.00	0.22	3.93	0.00	0.00	4.15
8.00	0.00	0.00	0.27	4.37	0.00	0.00	4.63
8.50	0.00	0.00	0.32	4.80	0.00	0.00	5.12
9.00	0.00	0.00	0.36	5.24	0.00	0.00	5.60

Soil Storage: 0.86
Curve No. (CN): 92

NE L1 **6.80**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.00	L	4.00	6.50	2.50
Retention Bot.		0.00	V	3.00	3.00	0.00
Lake		6.80	V	2.00	2.00	0.00
			L	0.00	0.00	0.00
		6.80				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.50	0.00	0.00	0.00	0.00	3.40	0.00	3.40
3.00	0.00	0.00	0.00	0.00	6.80	0.00	6.80
3.50	0.00	0.00	0.00	0.00	10.20	0.00	10.20
4.00	0.00	0.00	0.00	0.00	13.60	0.00	13.60
4.50	0.00	0.00	0.00	0.00	17.00	0.00	17.00
5.00	0.00	0.00	0.00	0.00	20.40	0.00	20.40
5.50	0.00	0.00	0.00	0.00	23.80	0.00	23.80
6.00	0.00	0.00	0.00	0.00	27.20	0.00	27.20
6.50	0.00	0.00	0.00	0.00	30.60	0.00	30.60
7.00	0.00	0.00	0.00	0.00	34.00	0.00	34.00
8.00	0.00	0.00	0.00	0.00	40.80	0.00	40.80
9.00	0.00	0.00	0.00	0.00	47.60	0.00	47.60

Soil Storage: **0.00**
Curve No. (CN): **100**

NE P4 14.73

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		5.16	V	8.00	8.00	0.00
Pavement		6.63	L	6.00	7.50	1.50
Green		2.95	L	5.00	7.00	2.00
Retention Bot.		0.00	V	4.00	4.00	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		14.73				

Retain pre-treatment volume onsite: 0.61 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61
5.50	0.00	0.00	0.18	0.00	0.00	0.00	0.80
6.00	0.00	0.00	0.74	0.00	0.00	0.00	1.35
6.50	0.00	0.55	1.66	0.00	0.00	0.00	2.82
7.00	0.00	2.21	2.95	0.00	0.00	0.00	5.77
7.50	0.00	4.97	4.42	0.00	0.00	0.00	10.00
8.00	0.00	8.29	5.89	0.00	0.00	0.00	14.79
8.50	2.58	11.60	7.37	0.00	0.00	0.00	22.16
9.00	5.16	14.91	8.84	0.00	0.00	0.00	29.52

Soil Storage: 1.35
Curve No. (CN): 88

NE L2 **3.06**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		1.24	L	4.00	6.50	2.50
Retention Bot.		0.00	V	3.00	3.00	0.00
Lake		1.82	V	2.00	2.00	0.00
			L	0.00	0.00	0.00
		3.06				

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.50	0.00	0.00	0.00	0.00	0.91	0.00	0.91
3.00	0.00	0.00	0.00	0.00	1.82	0.00	1.82
3.50	0.00	0.00	0.00	0.00	2.73	0.00	2.73
4.00	0.00	0.00	0.00	0.00	3.64	0.00	3.64
4.50	0.00	0.00	0.06	0.00	4.55	0.00	4.61
5.00	0.00	0.00	0.25	0.00	5.46	0.00	5.71
5.50	0.00	0.00	0.56	0.00	6.37	0.00	6.93
6.00	0.00	0.00	0.99	0.00	7.28	0.00	8.27
6.50	0.00	0.00	1.55	0.00	8.19	0.00	9.74
7.00	0.00	0.00	2.17	0.00	9.10	0.00	11.27
8.00	0.00	0.00	3.41	0.00	10.92	0.00	14.33
9.00	0.00	0.00	4.65	0.00	12.74	0.00	17.39

Soil Storage: **1.91**
Curve No. (CN): **84**

BURRIS 1 **0.45**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.43	L	6.00	7.50	1.50
Green		0.02	L	6.50	8.00	1.50
Retention Bot.		0.00	V	4.50	4.50	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.45				

Retain pre-treatment volume onsite: 0.02 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.02
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
6.50	0.00	0.04	0.00	0.00	0.00	0.00	0.05
7.00	0.00	0.14	0.00	0.00	0.00	0.00	0.16
7.50	0.00	0.32	0.01	0.00	0.00	0.00	0.35
8.00	0.00	0.53	0.02	0.00	0.00	0.00	0.57
8.50	0.00	0.75	0.03	0.00	0.00	0.00	0.80
9.00	0.00	0.96	0.04	0.00	0.00	0.00	1.02

Soil Storage: **0.34**

Curve No. (CN): **97**

BURRIS 2 0.77

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.73	L	6.00	7.50	1.50
Green		0.04	L	6.50	8.00	1.50
Retention Bot.		0.00	V	4.50	4.50	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.77				

Retain pre-treatment volume onsite: 0.03 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.50	0.00	0.06	0.00	0.00	0.00	0.00	0.09
7.00	0.00	0.24	0.00	0.00	0.00	0.00	0.28
7.50	0.00	0.55	0.01	0.00	0.00	0.00	0.59
8.00	0.00	0.91	0.03	0.00	0.00	0.00	0.98
8.50	0.00	1.28	0.05	0.00	0.00	0.00	1.36
9.00	0.00	1.65	0.07	0.00	0.00	0.00	1.75

Soil Storage: 0.34
Curve No. (CN): 97

BURRIS 3 0.66

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.63	L	6.00	7.50	1.50
Green		0.03	L	6.50	8.00	1.50
Retention Bot.		0.00	V	4.50	4.50	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.66				

Retain pre-treatment volume onsite: 0.03 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.50	0.00	0.05	0.00	0.00	0.00	0.00	0.08
7.00	0.00	0.21	0.00	0.00	0.00	0.00	0.24
7.50	0.00	0.47	0.01	0.00	0.00	0.00	0.51
8.00	0.00	0.78	0.02	0.00	0.00	0.00	0.84
8.50	0.00	1.10	0.04	0.00	0.00	0.00	1.17
9.00	0.00	1.41	0.06	0.00	0.00	0.00	1.50

Soil Storage: 0.34

Curve No. (CN): 97

BURRIS 4 0.73

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.69	L	6.00	7.50	1.50
Green		0.04	L	6.50	8.00	1.50
Retention Bot.		0.00	V	4.50	4.50	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.73				

Retain pre-treatment volume onsite: 0.03 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
6.50	0.00	0.06	0.00	0.00	0.00	0.00	0.09
7.00	0.00	0.23	0.00	0.00	0.00	0.00	0.26
7.50	0.00	0.52	0.01	0.00	0.00	0.00	0.56
8.00	0.00	0.87	0.03	0.00	0.00	0.00	0.92
8.50	0.00	1.21	0.05	0.00	0.00	0.00	1.29
9.00	0.00	1.56	0.06	0.00	0.00	0.00	1.65

Soil Storage: 0.34
Curve No. (CN): 97

BURRIS 5 0.94

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.89	L	6.00	7.50	1.50
Green		0.05	L	6.50	8.00	1.50
Retention Bot.		0.00	V	4.50	4.50	0.00
Lake		0.00	V	3.00	3.00	0.00
			L	0.00	0.00	0.00
		0.94				

Retain pre-treatment volume onsite: 0.04 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bot.	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.50	0.00	0.07	0.00	0.00	0.00	0.00	0.11
7.00	0.00	0.30	0.00	0.00	0.00	0.00	0.34
7.50	0.00	0.67	0.02	0.00	0.00	0.00	0.72
8.00	0.00	1.12	0.04	0.00	0.00	0.00	1.19
8.50	0.00	1.56	0.06	0.00	0.00	0.00	1.66
9.00	0.00	2.01	0.08	0.00	0.00	0.00	2.13

Soil Storage: 0.34
Curve No. (CN): 97

CBWCD N-1 Basin POST DEVELOPMENT REVISED LANDUSE 35-45-20							10/2013
	SITE AREAS (acres)						
Basin ID	Total	Building	Pavement	Green	Dry Retention	Lake	Storage at Flood Encroachment El. (6.50' NGVD)
EAST OF SW 47TH AVENUE							
P1	7.17	2.51	3.23	1.43	0.00	0.00	1.37
P2	6.47	2.26	2.91	1.29	0.00	0.00	1.24
P3	20.24	7.08	9.11	4.05	0.00	0.00	3.88
P4	4.89	1.71	2.20	0.98	0.00	0.00	0.94
P5	1.79	0.63	0.81	0.36	0.00	0.00	0.34
P6	6.42	2.25	2.89	1.28	0.00	0.00	1.23
P7	11.19	3.92	5.04	2.24	0.00	0.00	2.14
P8	5.02	1.76	2.26	1.00	0.00	0.00	0.96
G2	1.87	0.00	0.04	0.39	1.44	0.00	4.85
G3	3.97	0.00	0.08	0.80	3.09	0.00	10.35
G4	4.11	0.00	0.00	0.73	3.38	0.00	11.05
G5	1.34	0.00	0.03	0.24	1.07	0.00	4.08
G6	4.56	0.00	0.23	2.05	2.28	0.00	10.77
G7	0.43	0.00	0.01	0.16	0.26	0.00	1.03
G8	3.78	0.00	0.00	2.04	1.74	0.00	8.64
L1/G1	2.01	0.00	0.02	0.95	0.37	0.67	5.57
L2	2.26	0.00	0.00	0.00	0.00	2.26	10.17
L3	2.17	0.00	0.00	0.00	0.00	2.17	9.77
N-1 CANAL	0.55	0.00	0.00	0.00	0.00	0.55	2.48
R1	0.95	0.00	0.90	0.05	0.00	0.00	0.12
R2	1.31	0.00	1.24	0.07	0.00	0.00	0.16
Sub-Total:	**92.50**	**22.12**	**30.98**	**20.12**	**13.63**	**5.65**	**91.14**
EAST OF KEEN RD TO SW 47TH AVENUE							
P9	14.14	4.95	6.36	2.83	0.00	0.00	2.71
P10	11.04	3.86	4.97	2.21	0.00	0.00	2.12
P11	2.65	0.93	1.19	0.53	0.00	0.00	0.51
P12	41.97	14.69	18.89	8.39	0.00	0.00	8.04
P13	4.51	1.58	2.03	0.90	0.00	0.00	0.86
P14	4.67	1.63	2.10	0.93	0.00	0.00	0.90
G9	1.78	0.00	0.02	0.34	1.42	0.00	4.71
G10	0.74	0.00	0.07	0.67	0.00	0.00	1.24
L4	2.49	0.00	0.12	1.04	0.00	1.33	7.66
L5	3.30	0.00	0.00	0.93	0.00	2.37	12.06
L6	2.68	0.00	0.00	1.01	0.00	1.67	9.03
L7	3.18	0.00	0.00	0.55	0.00	2.63	12.66
L8	1.77	0.00	0.00	0.48	0.00	1.29	6.53
Sub-Total:	**94.92**	**27.64**	**35.76**	**20.81**	**1.42**	**9.29**	**69.02**
EAST OF TURNPIKE TO KEEN RD							
G11	9.00	0.00	0.18	2.79	6.03	0.00	23.85
Sub-Total:	**9.00**	**0.00**	**0.18**	**2.79**	**6.03**	**0.00**	**23.85**

Basin ID	SITE AREAS (acres)						
	Total	Building	Pavement	Green	Dry Retention	Lake	Storage at Flood Encroachment El. (6.50' NGVD)
SW 47 AVENUE							
SW 47 AVE 1	1.46	0.00	1.39	0.07	0.00	0.00	0.18
SW 47 AVE 2	1.82	0.00	1.73	0.09	0.00	0.00	0.23
SW 47 AVE 3	1.74	0.00	1.65	0.09	0.00	0.00	0.22
SW 47 AVE 4	1.02	0.00	0.97	0.05	0.00	0.00	0.13
Sub-Total:	**6.04**	**0.00**	**5.74**	**0.30**	**0.00**	**0.00**	**0.75**
OAKES ROAD							
OAKES ROAD 1	2.45	0.00	2.33	0.12	0.00	0.00	0.30
OAKES ROAD 2	0.85	0.00	0.81	0.04	0.00	0.00	0.11
OAKES ROAD 3	0.97	0.00	0.92	0.05	0.00	0.00	0.12
Sub-Total:	**4.27**	**0.00**	**4.06**	**0.21**	**0.00**	**0.00**	**0.53**
KEEN ROAD							
KEEN RD 1	2.10	0.00	2.00	0.11	0.00	0.00	0.26
Sub-Total:	**2.10**	**0.00**	**2.00**	**0.11**	**0.00**	**0.00**	**0.26**

TOTAL:	**208.83**	**49.76**	**78.71**	**44.34**	**21.08**	**14.94**	**185.55**

P1 **7.17**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		2.51	V	8.00	8.00	0.00
Pavement		3.23	L	6.00	7.50	1.50
Green		1.43	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

7.17

Retain pre-treatment volume onsite: 0.30 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
5.50	0.00	0.00	0.09	0.00	0.00	0.00	0.39
6.00	0.00	0.00	0.36	0.00	0.00	0.00	0.66
6.50	0.00	0.27	0.81	0.00	0.00	0.00	1.37
7.00	0.00	1.08	1.43	0.00	0.00	0.00	2.81
7.50	0.00	2.42	2.15	0.00	0.00	0.00	4.87
8.00	0.00	4.03	2.87	0.00	0.00	0.00	7.20
8.50	1.25	5.65	3.59	0.00	0.00	0.00	10.78
9.00	2.51	7.26	4.30	0.00	0.00	0.00	14.37

Soil Storage: **1.35**

Curve No. (CN): **88**

P2 **6.47**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		2.26	V	8.00	8.00	0.00
Pavement		2.91	L	6.00	7.50	1.50
Green		1.29	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

6.47

Retain pre-treatment volume onsite: 0.27 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
5.50	0.00	0.00	0.08	0.00	0.00	0.00	0.35
6.00	0.00	0.00	0.32	0.00	0.00	0.00	0.59
6.50	0.00	0.24	0.73	0.00	0.00	0.00	1.24
7.00	0.00	0.97	1.29	0.00	0.00	0.00	2.53
7.50	0.00	2.18	1.94	0.00	0.00	0.00	4.39
8.00	0.00	3.64	2.59	0.00	0.00	0.00	6.50
8.50	1.13	5.10	3.24	0.00	0.00	0.00	9.73
9.00	2.26	6.55	3.88	0.00	0.00	0.00	12.97

Soil Storage: **1.35**

Curve No. (CN): **88**

P3 **20.24**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		7.08	V	8.00	8.00	0.00
Pavement		9.11	L	6.00	7.50	1.50
Green		4.05	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

20.24

Retain pre-treatment volume onsite: 0.84 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84
5.50	0.00	0.00	0.25	0.00	0.00	0.00	1.10
6.00	0.00	0.00	1.01	0.00	0.00	0.00	1.86
6.50	0.00	0.76	2.28	0.00	0.00	0.00	3.88
7.00	0.00	3.04	4.05	0.00	0.00	0.00	7.93
7.50	0.00	6.83	6.07	0.00	0.00	0.00	13.75
8.00	0.00	11.39	8.10	0.00	0.00	0.00	20.32
8.50	3.54	15.94	10.12	0.00	0.00	0.00	30.44
9.00	7.08	20.49	12.14	0.00	0.00	0.00	40.56

Soil Storage: **1.35**

Curve No. (CN): **88**

P4 **4.89**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.71	V	8.00	8.00	0.00
Pavement		2.20	L	6.00	7.50	1.50
Green		0.98	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

4.89

Retain pre-treatment volume onsite: 0.20 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
5.50	0.00	0.00	0.06	0.00	0.00	0.00	0.26
6.00	0.00	0.00	0.24	0.00	0.00	0.00	0.45
6.50	0.00	0.18	0.55	0.00	0.00	0.00	0.94
7.00	0.00	0.73	0.98	0.00	0.00	0.00	1.92
7.50	0.00	1.65	1.47	0.00	0.00	0.00	3.32
8.00	0.00	2.75	1.96	0.00	0.00	0.00	4.91
8.50	0.86	3.85	2.45	0.00	0.00	0.00	7.36
9.00	1.71	4.95	2.93	0.00	0.00	0.00	9.80

Soil Storage: **1.35**

Curve No. (CN): **88**

P5 **1.79**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.63	V	8.00	8.00	0.00
Pavement		0.81	L	6.00	7.50	1.50
Green		0.36	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

1.79

Retain pre-treatment volume onsite: 0.07 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
5.50	0.00	0.00	0.02	0.00	0.00	0.00	0.10
6.00	0.00	0.00	0.09	0.00	0.00	0.00	0.16
6.50	0.00	0.07	0.20	0.00	0.00	0.00	0.34
7.00	0.00	0.27	0.36	0.00	0.00	0.00	0.70
7.50	0.00	0.60	0.54	0.00	0.00	0.00	1.22
8.00	0.00	1.01	0.72	0.00	0.00	0.00	1.80
8.50	0.31	1.41	0.90	0.00	0.00	0.00	2.69
9.00	0.63	1.81	1.07	0.00	0.00	0.00	3.59

Soil Storage: **1.35**

Curve No. (CN): **88**

P6 **6.42**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		2.25	V	8.00	8.00	0.00
Pavement		2.89	L	6.00	7.50	1.50
Green		1.28	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

6.42

Retain pre-treatment volume onsite: 0.27 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
5.50	0.00	0.00	0.08	0.00	0.00	0.00	0.35
6.00	0.00	0.00	0.32	0.00	0.00	0.00	0.59
6.50	0.00	0.24	0.72	0.00	0.00	0.00	1.23
7.00	0.00	0.96	1.28	0.00	0.00	0.00	2.51
7.50	0.00	2.17	1.93	0.00	0.00	0.00	4.36
8.00	0.00	3.61	2.57	0.00	0.00	0.00	6.45
8.50	1.12	5.06	3.21	0.00	0.00	0.00	9.66
9.00	2.25	6.50	3.85	0.00	0.00	0.00	12.87

Soil Storage: **1.35**

Curve No. (CN): **88**

P7 **11.19**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		3.92	V	8.00	8.00	0.00
Pavement		5.04	L	6.00	7.50	1.50
Green		2.24	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

11.19

Retain pre-treatment volume onsite: 0.47 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47
5.50	0.00	0.00	0.14	0.00	0.00	0.00	0.61
6.00	0.00	0.00	0.56	0.00	0.00	0.00	1.03
6.50	0.00	0.42	1.26	0.00	0.00	0.00	2.14
7.00	0.00	1.68	2.24	0.00	0.00	0.00	4.38
7.50	0.00	3.78	3.36	0.00	0.00	0.00	7.60
8.00	0.00	6.29	4.48	0.00	0.00	0.00	11.24
8.50	1.96	8.81	5.60	0.00	0.00	0.00	16.83
9.00	3.92	11.33	6.71	0.00	0.00	0.00	22.43

Soil Storage: **1.35**

Curve No. (CN): **88**

P8 **5.02**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.76	V	8.00	8.00	0.00
Pavement		2.26	L	6.00	7.50	1.50
Green		1.00	L	5.00	7.00	2.00
Retention Bottom		0.00	L	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

5.02

Retain pre-treatment volume onsite: 0.21 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
5.50	0.00	0.00	0.06	0.00	0.00	0.00	0.27
6.00	0.00	0.00	0.25	0.00	0.00	0.00	0.46
6.50	0.00	0.19	0.56	0.00	0.00	0.00	0.96
7.00	0.00	0.75	1.00	0.00	0.00	0.00	1.97
7.50	0.00	1.69	1.51	0.00	0.00	0.00	3.41
8.00	0.00	2.82	2.01	0.00	0.00	0.00	5.04
8.50	0.88	3.95	2.51	0.00	0.00	0.00	7.55
9.00	1.76	5.08	3.01	0.00	0.00	0.00	10.06

Soil Storage: **1.35**

Curve No. (CN): **88**

G2 **1.87**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.04	L	5.00	6.00	1.00
Green		0.39	L	4.00	6.50	2.50
Retention Bottom		1.44	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		1.87				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.72	0.00	0.00	0.72
4.50	0.00	0.00	0.02	1.44	0.00	0.00	1.46
5.00	0.00	0.00	0.08	2.16	0.00	0.00	2.24
5.50	0.00	0.00	0.18	2.88	0.00	0.00	3.06
6.00	0.00	0.02	0.31	3.60	0.00	0.00	3.93
6.50	0.00	0.04	0.49	4.32	0.00	0.00	4.85
7.00	0.00	0.06	0.69	5.04	0.00	0.00	5.78
7.50	0.00	0.07	0.88	5.76	0.00	0.00	6.72
8.00	0.00	0.09	1.08	6.48	0.00	0.00	7.65
8.50	0.00	0.11	1.28	7.20	0.00	0.00	8.59
9.00	0.00	0.13	1.47	7.92	0.00	0.00	9.52

Soil Storage: **1.68**
Curve No. (CN): **86**

G3 **3.97**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.08	L	5.00	6.00	1.00
Green		0.80	L	4.00	6.50	2.50
Retention Bottom		3.09	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		3.97				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	1.55	0.00	0.00	1.55
4.50	0.00	0.00	0.04	3.09	0.00	0.00	3.13
5.00	0.00	0.00	0.16	4.64	0.00	0.00	4.80
5.50	0.00	0.01	0.36	6.18	0.00	0.00	6.55
6.00	0.00	0.04	0.64	7.73	0.00	0.00	8.41
6.50	0.00	0.08	1.00	9.27	0.00	0.00	10.35
7.00	0.00	0.12	1.40	10.82	0.00	0.00	12.34
7.50	0.00	0.16	1.80	12.36	0.00	0.00	14.32
8.00	0.00	0.20	2.20	13.91	0.00	0.00	16.31
8.50	0.00	0.24	2.60	15.45	0.00	0.00	18.29
9.00	0.00	0.28	3.00	17.00	0.00	0.00	20.28

Soil Storage: **1.66**

Curve No. (CN): **86**

G4 **4.11**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.73	L	4.00	6.50	2.50
Retention Bottom		3.38	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		4.11				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	1.69	0.00	0.00	1.69
4.50	0.00	0.00	0.04	3.38	0.00	0.00	3.42
5.00	0.00	0.00	0.15	5.07	0.00	0.00	5.22
5.50	0.00	0.00	0.33	6.76	0.00	0.00	7.09
6.00	0.00	0.00	0.58	8.45	0.00	0.00	9.03
6.50	0.00	0.00	0.91	10.14	0.00	0.00	11.05
7.00	0.00	0.00	1.28	11.83	0.00	0.00	13.11
7.50	0.00	0.00	1.64	13.52	0.00	0.00	15.16
8.00	0.00	0.00	2.01	15.21	0.00	0.00	17.22
8.50	0.00	0.00	2.37	16.90	0.00	0.00	19.27
9.00	0.00	0.00	2.74	18.59	0.00	0.00	21.33

Soil Storage: **1.63**

Curve No. (CN): **86**

G5 **1.34**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.03	L	5.00	6.00	1.00
Green		0.24	L	4.00	6.50	2.50
Retention Bottom		1.07	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		1.34				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	1.07	0.00	0.00	1.07
4.50	0.00	0.00	0.01	1.61	0.00	0.00	1.62
5.00	0.00	0.00	0.05	2.14	0.00	0.00	2.19
5.50	0.00	0.00	0.11	2.68	0.00	0.00	2.79
6.00	0.00	0.01	0.19	3.22	0.00	0.00	3.42
6.50	0.00	0.03	0.30	3.75	0.00	0.00	4.08
7.00	0.00	0.04	0.42	4.29	0.00	0.00	4.75
7.50	0.00	0.05	0.54	4.82	0.00	0.00	5.42
8.00	0.00	0.07	0.66	5.36	0.00	0.00	6.09
8.50	0.00	0.08	0.78	5.90	0.00	0.00	6.76
9.00	0.00	0.09	0.90	6.43	0.00	0.00	7.43

Soil Storage: **1.09**

Curve No. (CN): **90**

G6 **4.56**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.23	L	5.00	6.00	1.00
Green		2.05	L	4.00	6.50	2.50
Retention Bottom		2.28	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00

4.56

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	2.28	0.00	0.00	2.28
4.50	0.00	0.00	0.10	3.42	0.00	0.00	3.52
5.00	0.00	0.00	0.41	4.56	0.00	0.00	4.97
5.50	0.00	0.03	0.92	5.70	0.00	0.00	6.65
6.00	0.00	0.11	1.64	6.84	0.00	0.00	8.60
6.50	0.00	0.23	2.57	7.98	0.00	0.00	10.77
7.00	0.00	0.34	3.59	9.12	0.00	0.00	13.05
7.50	0.00	0.46	4.62	10.26	0.00	0.00	15.33
8.00	0.00	0.57	5.64	11.40	0.00	0.00	17.61
8.50	0.00	0.68	6.67	12.54	0.00	0.00	19.89
9.00	0.00	0.80	7.70	13.68	0.00	0.00	22.17

Soil Storage: **1.92**
Curve No. (CN): **84**

G7 **0.43**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.01	L	5.00	6.00	1.00
Green		0.16	L	4.00	6.00	2.00
Retention Bottom		0.26	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		0.43				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.13	0.00	0.00	0.13
4.50	0.00	0.00	0.01	0.26	0.00	0.00	0.27
5.00	0.00	0.00	0.04	0.39	0.00	0.00	0.43
5.50	0.00	0.00	0.09	0.52	0.00	0.00	0.61
6.00	0.00	0.01	0.16	0.65	0.00	0.00	0.81
6.50	0.00	0.01	0.24	0.77	0.00	0.00	1.03
7.00	0.00	0.02	0.32	0.90	0.00	0.00	1.24
7.50	0.00	0.02	0.40	1.03	0.00	0.00	1.46
8.00	0.00	0.03	0.48	1.16	0.00	0.00	1.67
8.50	0.00	0.03	0.56	1.29	0.00	0.00	1.89
9.00	0.00	0.04	0.65	1.42	0.00	0.00	2.10

Soil Storage: **1.99**
Curve No. (CN): **83**

G8 **3.78**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		2.04	L	4.00	6.50	2.50
Retention Bottom		1.74	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		3.78				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	1.74	0.00	0.00	1.74
4.50	0.00	0.00	0.10	2.61	0.00	0.00	2.71
5.00	0.00	0.00	0.41	3.48	0.00	0.00	3.89
5.50	0.00	0.00	0.92	4.35	0.00	0.00	5.27
6.00	0.00	0.00	1.63	5.22	0.00	0.00	6.85
6.50	0.00	0.00	2.55	6.09	0.00	0.00	8.64
7.00	0.00	0.00	3.57	6.96	0.00	0.00	10.53
7.50	0.00	0.00	4.59	7.83	0.00	0.00	12.42
8.00	0.00	0.00	5.61	8.70	0.00	0.00	14.31
8.50	0.00	0.00	6.63	9.57	0.00	0.00	16.20
9.00	0.00	0.00	7.65	10.44	0.00	0.00	18.09

Soil Storage: **2.34**
Curve No. (CN): **81**

L1/G1 **2.01**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.02	L	5.00	6.00	1.00
Green		0.95	L	4.00	6.00	2.00
Retention Bottom		0.37	L	3.00	4.00	1.00
Lake		0.67	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		2.01				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.67	0.00	0.67
4.00	0.00	0.00	0.00	0.19	1.34	0.00	1.53
4.50	0.00	0.00	0.06	0.37	1.68	0.00	2.10
5.00	0.00	0.00	0.24	0.56	2.01	0.00	2.80
5.50	0.00	0.00	0.53	0.74	2.35	0.00	3.62
6.00	0.00	0.01	0.95	0.93	2.68	0.00	4.56
6.50	0.00	0.02	1.42	1.11	3.02	0.00	5.57
7.00	0.00	0.03	1.90	1.30	3.35	0.00	6.57
7.50	0.00	0.04	2.37	1.48	3.69	0.00	7.58
8.00	0.00	0.05	2.85	1.67	4.02	0.00	8.58
8.50	0.00	0.06	3.32	1.85	4.36	0.00	9.59
9.00	0.00	0.07	3.80	2.04	4.69	0.00	10.59

Soil Storage: **2.06**
Curve No. (CN): **83**

L2 **2.26**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.00	L	4.00	6.50	2.50
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		2.26	L	2.00	2.00	0.00
			L	0.00	0.00	0.00

2.26

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	2.26	0.00	2.26
4.00	0.00	0.00	0.00	0.00	4.52	0.00	4.52
4.50	0.00	0.00	0.00	0.00	5.65	0.00	5.65
5.00	0.00	0.00	0.00	0.00	6.78	0.00	6.78
5.50	0.00	0.00	0.00	0.00	7.91	0.00	7.91
6.00	0.00	0.00	0.00	0.00	9.04	0.00	9.04
6.50	0.00	0.00	0.00	0.00	10.17	0.00	10.17
7.00	0.00	0.00	0.00	0.00	11.30	0.00	11.30
7.50	0.00	0.00	0.00	0.00	12.43	0.00	12.43
8.00	0.00	0.00	0.00	0.00	13.56	0.00	13.56
8.50	0.00	0.00	0.00	0.00	14.69	0.00	14.69
9.00	0.00	0.00	0.00	0.00	15.82	0.00	15.82

Soil Storage: **0.00**
Curve No. (CN): **100**

L3 **2.17**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.00	L	4.00	6.50	2.50
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		2.17	L	2.00	2.00	0.00
			L	0.00	0.00	0.00

2.17

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	2.17	0.00	2.17
4.00	0.00	0.00	0.00	0.00	4.34	0.00	4.34
4.50	0.00	0.00	0.00	0.00	5.43	0.00	5.43
5.00	0.00	0.00	0.00	0.00	6.51	0.00	6.51
5.50	0.00	0.00	0.00	0.00	7.60	0.00	7.60
6.00	0.00	0.00	0.00	0.00	8.68	0.00	8.68
6.50	0.00	0.00	0.00	0.00	9.77	0.00	9.77
7.00	0.00	0.00	0.00	0.00	10.85	0.00	10.85
7.50	0.00	0.00	0.00	0.00	11.94	0.00	11.94
8.00	0.00	0.00	0.00	0.00	13.02	0.00	13.02
8.50	0.00	0.00	0.00	0.00	14.11	0.00	14.11
9.00	0.00	0.00	0.00	0.00	15.19	0.00	15.19

Soil Storage: **0.00**
Curve No. (CN): **100**

N-1 CANAL 0.55

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	6.50	0.50
Green		0.00	L	4.00	6.25	2.25
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.55	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		0.55				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.55	0.00	0.55
4.00	0.00	0.00	0.00	0.00	1.10	0.00	1.10
4.50	0.00	0.00	0.00	0.00	1.38	0.00	1.38
5.00	0.00	0.00	0.00	0.00	1.65	0.00	1.65
5.50	0.00	0.00	0.00	0.00	1.93	0.00	1.93
6.00	0.00	0.00	0.00	0.00	2.20	0.00	2.20
6.50	0.00	0.00	0.00	0.00	2.48	0.00	2.48
7.00	0.00	0.00	0.00	0.00	2.75	0.00	2.75
7.50	0.00	0.00	0.00	0.00	3.03	0.00	3.03
8.00	0.00	0.00	0.00	0.00	3.30	0.00	3.30
8.50	0.00	0.00	0.00	0.00	3.58	0.00	3.58
9.00	0.00	0.00	0.00	0.00	3.85	0.00	3.85

Soil Storage: **0.00**

Curve No. (CN): **100**

R1 **0.95**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.90	L	6.00	7.50	1.50
Green		0.05	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		0.95				

Retain pre-treatment volume onsite: 0.04 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.50	0.00	0.08	0.00	0.00	0.00	0.00	0.12
7.00	0.00	0.30	0.01	0.00	0.00	0.00	0.35
7.50	0.00	0.68	0.03	0.00	0.00	0.00	0.74
8.00	0.00	1.13	0.05	0.00	0.00	0.00	1.22
8.50	0.00	1.58	0.07	0.00	0.00	0.00	1.69
9.00	0.00	2.03	0.10	0.00	0.00	0.00	2.17

Soil Storage: **0.34**

Curve No. (CN): **97**

R2 **1.31**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		1.24	L	6.00	7.50	1.50
Green		0.07	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		1.31				

Retain pre-treatment volume onsite: 0.05 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.05
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
6.50	0.00	0.10	0.00	0.00	0.00	0.00	0.16
7.00	0.00	0.41	0.02	0.00	0.00	0.00	0.49
7.50	0.00	0.93	0.04	0.00	0.00	0.00	1.02
8.00	0.00	1.56	0.07	0.00	0.00	0.00	1.68
8.50	0.00	2.18	0.10	0.00	0.00	0.00	2.33
9.00	0.00	2.80	0.13	0.00	0.00	0.00	2.99

Soil Storage: **0.34**

Curve No. (CN): **97**

P9 **14.14**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		4.95	V	8.00	8.00	0.00
Pavement		6.36	L	6.00	7.50	1.50
Green		2.83	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

14.14

Retain pre-treatment volume onsite: 0.59 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59
5.50	0.00	0.00	0.18	0.00	0.00	0.00	0.77
6.00	0.00	0.00	0.71	0.00	0.00	0.00	1.30
6.50	0.00	0.53	1.59	0.00	0.00	0.00	2.71
7.00	0.00	2.12	2.83	0.00	0.00	0.00	5.54
7.50	0.00	4.77	4.24	0.00	0.00	0.00	9.60
8.00	0.00	7.95	5.66	0.00	0.00	0.00	14.20
8.50	2.47	11.14	7.07	0.00	0.00	0.00	21.27
9.00	4.95	14.32	8.48	0.00	0.00	0.00	28.34

Soil Storage: **1.35**

Curve No. (CN): **88**

P10 **11.04**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		3.86	V	8.00	8.00	0.00
Pavement		4.97	L	6.00	7.50	1.50
Green		2.21	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

11.04

Retain pre-treatment volume onsite: 0.46 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
5.50	0.00	0.00	0.14	0.00	0.00	0.00	0.60
6.00	0.00	0.00	0.55	0.00	0.00	0.00	1.01
6.50	0.00	0.41	1.24	0.00	0.00	0.00	2.12
7.00	0.00	1.66	2.21	0.00	0.00	0.00	4.32
7.50	0.00	3.73	3.31	0.00	0.00	0.00	7.50
8.00	0.00	6.21	4.42	0.00	0.00	0.00	11.09
8.50	1.93	8.69	5.52	0.00	0.00	0.00	16.61
9.00	3.86	11.18	6.62	0.00	0.00	0.00	22.13

Soil Storage: **1.35**

Curve No. (CN): **88**

P11 **2.65**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.93	V	8.00	8.00	0.00
Pavement		1.19	L	6.00	7.50	1.50
Green		0.53	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

2.65

Retain pre-treatment volume onsite: 0.11 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
5.50	0.00	0.00	0.03	0.00	0.00	0.00	0.14
6.00	0.00	0.00	0.13	0.00	0.00	0.00	0.24
6.50	0.00	0.10	0.30	0.00	0.00	0.00	0.51
7.00	0.00	0.40	0.53	0.00	0.00	0.00	1.04
7.50	0.00	0.89	0.80	0.00	0.00	0.00	1.80
8.00	0.00	1.49	1.06	0.00	0.00	0.00	2.66
8.50	0.46	2.09	1.33	0.00	0.00	0.00	3.99
9.00	0.93	2.68	1.59	0.00	0.00	0.00	5.31

Soil Storage: **1.35**

Curve No. (CN): **88**

P12 **41.97**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		14.69	V	8.00	8.00	0.00
Pavement		18.89	L	6.00	7.50	1.50
Green		8.39	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

41.97

Retain pre-treatment volume onsite: 1.75 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75
5.50	0.00	0.00	0.52	0.00	0.00	0.00	2.27
6.00	0.00	0.00	2.10	0.00	0.00	0.00	3.85
6.50	0.00	1.57	4.72	0.00	0.00	0.00	8.04
7.00	0.00	6.30	8.39	0.00	0.00	0.00	16.44
7.50	0.00	14.16	12.59	0.00	0.00	0.00	28.50
8.00	0.00	23.61	16.79	0.00	0.00	0.00	42.14
8.50	7.34	33.05	20.99	0.00	0.00	0.00	63.13
9.00	14.69	42.49	25.18	0.00	0.00	0.00	84.11

Soil Storage: **1.35**

Curve No. (CN): **88**

P13 **4.51**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.58	V	8.00	8.00	0.00
Pavement		2.03	L	6.00	7.50	1.50
Green		0.90	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

4.51

Retain pre-treatment volume onsite: 0.19 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
5.50	0.00	0.00	0.06	0.00	0.00	0.00	0.24
6.00	0.00	0.00	0.23	0.00	0.00	0.00	0.41
6.50	0.00	0.17	0.51	0.00	0.00	0.00	0.86
7.00	0.00	0.68	0.90	0.00	0.00	0.00	1.77
7.50	0.00	1.52	1.35	0.00	0.00	0.00	3.06
8.00	0.00	2.54	1.80	0.00	0.00	0.00	4.53
8.50	0.79	3.55	2.26	0.00	0.00	0.00	6.78
9.00	1.58	4.57	2.71	0.00	0.00	0.00	9.04

Soil Storage: **1.35**
Curve No. (CN): **88**

P14 **4.67**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		1.63	V	8.00	8.00	0.00
Pavement		2.10	L	6.00	7.50	1.50
Green		0.93	L	5.00	7.00	2.00
Retention Bottom		0.00	V	4.00	4.00	0.00
Lake		0.00	L	3.00	3.00	0.00
			L	0.00	0.00	0.00

4.67

Retain pre-treatment volume onsite: 0.19 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
5.50	0.00	0.00	0.06	0.00	0.00	0.00	0.25
6.00	0.00	0.00	0.23	0.00	0.00	0.00	0.43
6.50	0.00	0.18	0.53	0.00	0.00	0.00	0.90
7.00	0.00	0.70	0.93	0.00	0.00	0.00	1.83
7.50	0.00	1.58	1.40	0.00	0.00	0.00	3.17
8.00	0.00	2.63	1.87	0.00	0.00	0.00	4.69
8.50	0.82	3.68	2.34	0.00	0.00	0.00	7.02
9.00	1.63	4.73	2.80	0.00	0.00	0.00	9.36

Soil Storage: **1.35**

Curve No. (CN): **88**

G9 **1.78**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.02	L	5.00	6.00	1.00
Green		0.34	L	4.00	6.50	2.50
Retention Bottom		1.42	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00

1.78

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.71	0.00	0.00	0.71
4.50	0.00	0.00	0.02	1.42	0.00	0.00	1.44
5.00	0.00	0.00	0.07	2.13	0.00	0.00	2.20
5.50	0.00	0.00	0.15	2.84	0.00	0.00	3.00
6.00	0.00	0.01	0.27	3.55	0.00	0.00	3.83
6.50	0.00	0.02	0.43	4.26	0.00	0.00	4.71
7.00	0.00	0.03	0.60	4.97	0.00	0.00	5.60
7.50	0.00	0.04	0.77	5.68	0.00	0.00	6.49
8.00	0.00	0.04	0.94	6.39	0.00	0.00	7.38
8.50	0.00	0.05	1.11	7.10	0.00	0.00	8.27
9.00	0.00	0.06	1.28	7.81	0.00	0.00	9.16

Soil Storage: **1.65**
Curve No. (CN): **86**

G10 **0.74**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.07	L	5.00	6.00	1.00
Green		0.67	L	3.00	6.50	3.50
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		0.74				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.10	0.00	0.00	0.00	0.10
4.50	0.00	0.00	0.21	0.00	0.00	0.00	0.21
5.00	0.00	0.00	0.38	0.00	0.00	0.00	0.38
5.50	0.00	0.01	0.59	0.00	0.00	0.00	0.60
6.00	0.00	0.04	0.86	0.00	0.00	0.00	0.89
6.50	0.00	0.07	1.17	0.00	0.00	0.00	1.24
7.00	0.00	0.11	1.50	0.00	0.00	0.00	1.61
7.50	0.00	0.15	1.83	0.00	0.00	0.00	1.98
8.00	0.00	0.19	2.16	0.00	0.00	0.00	2.35
8.50	0.00	0.22	2.50	0.00	0.00	0.00	2.72
9.00	0.00	0.26	2.83	0.00	0.00	0.00	3.09

Soil Storage: **3.16**
Curve No. (CN): **76**

L4 **2.49**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.12	L	5.00	6.00	1.00
Green		1.04	L	4.00	6.00	2.00
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		1.33	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		2.49				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	1.33	0.00	1.33
4.00	0.00	0.00	0.00	0.00	2.66	0.00	2.66
4.50	0.00	0.00	0.06	0.00	3.33	0.00	3.39
5.00	0.00	0.00	0.26	0.00	3.99	0.00	4.25
5.50	0.00	0.02	0.58	0.00	4.66	0.00	5.25
6.00	0.00	0.06	1.04	0.00	5.32	0.00	6.42
6.50	0.00	0.12	1.55	0.00	5.99	0.00	7.66
7.00	0.00	0.19	2.07	0.00	6.65	0.00	8.91
7.50	0.00	0.25	2.59	0.00	7.32	0.00	10.15
8.00	0.00	0.31	3.11	0.00	7.98	0.00	11.40
8.50	0.00	0.37	3.62	0.00	8.65	0.00	12.64
9.00	0.00	0.44	4.14	0.00	9.31	0.00	13.89

Soil Storage: **1.68**

Curve No. (CN): **86**

L5 **3.30**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.93	L	4.00	6.00	2.00
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		2.37	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		3.30				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	2.37	0.00	2.37
4.00	0.00	0.00	0.00	0.00	4.74	0.00	4.74
4.50	0.00	0.00	0.06	0.00	5.93	0.00	5.98
5.00	0.00	0.00	0.23	0.00	7.11	0.00	7.34
5.50	0.00	0.00	0.52	0.00	8.30	0.00	8.82
6.00	0.00	0.00	0.93	0.00	9.48	0.00	10.41
6.50	0.00	0.00	1.40	0.00	10.67	0.00	12.06
7.00	0.00	0.00	1.86	0.00	11.85	0.00	13.71
7.50	0.00	0.00	2.33	0.00	13.04	0.00	15.36
8.00	0.00	0.00	2.79	0.00	14.22	0.00	17.01
8.50	0.00	0.00	3.26	0.00	15.41	0.00	18.66
9.00	0.00	0.00	3.72	0.00	16.59	0.00	20.31

Soil Storage: **1.14**
Curve No. (CN): **90**

L6 **2.68**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		1.01	L	4.00	6.00	2.00
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		1.67	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		2.68				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	1.67	0.00	1.67
4.00	0.00	0.00	0.00	0.00	3.34	0.00	3.34
4.50	0.00	0.00	0.06	0.00	4.18	0.00	4.24
5.00	0.00	0.00	0.25	0.00	5.01	0.00	5.26
5.50	0.00	0.00	0.57	0.00	5.85	0.00	6.41
6.00	0.00	0.00	1.01	0.00	6.68	0.00	7.69
6.50	0.00	0.00	1.52	0.00	7.52	0.00	9.03
7.00	0.00	0.00	2.02	0.00	8.35	0.00	10.37
7.50	0.00	0.00	2.53	0.00	9.19	0.00	11.71
8.00	0.00	0.00	3.03	0.00	10.02	0.00	13.05
8.50	0.00	0.00	3.54	0.00	10.86	0.00	14.39
9.00	0.00	0.00	4.04	0.00	11.69	0.00	15.73

Soil Storage: **1.53**
Curve No. (CN): **87**

L7 **3.18**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.55	L	4.00	6.00	2.00
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		2.63	L	2.00	2.00	0.00
			L	0.00	0.00	0.00

3.18

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	2.63	0.00	2.63
4.00	0.00	0.00	0.00	0.00	5.26	0.00	5.26
4.50	0.00	0.00	0.03	0.00	6.58	0.00	6.61
5.00	0.00	0.00	0.14	0.00	7.89	0.00	8.03
5.50	0.00	0.00	0.31	0.00	9.21	0.00	9.51
6.00	0.00	0.00	0.55	0.00	10.52	0.00	11.07
6.50	0.00	0.00	0.83	0.00	11.84	0.00	12.66
7.00	0.00	0.00	1.10	0.00	13.15	0.00	14.25
7.50	0.00	0.00	1.38	0.00	14.47	0.00	15.84
8.00	0.00	0.00	1.65	0.00	15.78	0.00	17.43
8.50	0.00	0.00	1.93	0.00	17.10	0.00	19.02
9.00	0.00	0.00	2.20	0.00	18.41	0.00	20.61

Soil Storage: **0.70**
Curve No. (CN): **93**

L8 **1.77**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.00	L	6.00	7.50	1.50
Green		0.48	L	4.00	6.00	2.00
Retention Bottom		0.00	L	3.00	4.00	1.00
Lake		1.29	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		1.77				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	1.29	0.00	1.29
4.00	0.00	0.00	0.00	0.00	2.58	0.00	2.58
4.50	0.00	0.00	0.03	0.00	3.23	0.00	3.26
5.00	0.00	0.00	0.12	0.00	3.87	0.00	3.99
5.50	0.00	0.00	0.27	0.00	4.52	0.00	4.79
6.00	0.00	0.00	0.48	0.00	5.16	0.00	5.64
6.50	0.00	0.00	0.72	0.00	5.81	0.00	6.53
7.00	0.00	0.00	0.96	0.00	6.45	0.00	7.41
7.50	0.00	0.00	1.20	0.00	7.10	0.00	8.30
8.00	0.00	0.00	1.44	0.00	7.74	0.00	9.18
8.50	0.00	0.00	1.68	0.00	8.39	0.00	10.07
9.00	0.00	0.00	1.92	0.00	9.03	0.00	10.95

Soil Storage: **1.10**
Curve No. (CN): **90**

G11 **9.00**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	8.00	8.00	0.00
Pavement		0.18	L	5.00	6.00	1.00
Green		2.79	L	3.00	6.00	3.00
Retention Bottom		6.03	L	3.00	4.00	1.00
Lake		0.00	L	2.00	2.00	0.00
			L	0.00	0.00	0.00
		9.00				

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.47	3.02	0.00	0.00	3.48
4.50	0.00	0.00	1.05	6.03	0.00	0.00	7.08
5.00	0.00	0.00	1.86	9.05	0.00	0.00	10.91
5.50	0.00	0.02	2.91	12.06	0.00	0.00	14.99
6.00	0.00	0.09	4.19	15.08	0.00	0.00	19.35
6.50	0.00	0.18	5.58	18.09	0.00	0.00	23.85
7.00	0.00	0.27	6.98	21.11	0.00	0.00	28.35
7.50	0.00	0.36	8.37	24.12	0.00	0.00	32.85
8.00	0.00	0.45	9.77	27.14	0.00	0.00	37.35
8.50	0.00	0.54	11.16	30.15	0.00	0.00	41.85
9.00	0.00	0.63	12.56	33.17	0.00	0.00	46.35

Soil Storage: **1.60**
Curve No. (CN): **86**

47th 1 1.46

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		1.39	L	6.00	7.50	1.50
Green		0.07	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		1.46				

Retain pre-treatment volume onsite: 0.06 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.06
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
6.50	0.00	0.12	0.00	0.00	0.00	0.00	0.18
7.00	0.00	0.46	0.02	0.00	0.00	0.00	0.54
7.50	0.00	1.04	0.04	0.00	0.00	0.00	1.14
8.00	0.00	1.73	0.07	0.00	0.00	0.00	1.87
8.50	0.00	2.43	0.11	0.00	0.00	0.00	2.60
9.00	0.00	3.12	0.15	0.00	0.00	0.00	3.33

Soil Storage: 0.34

Curve No. (CN): 97

47th 2 **1.82**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		1.73	L	6.00	7.50	1.50
Green		0.09	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		1.82				

Retain pre-treatment volume onsite: 0.08 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.08
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
6.50	0.00	0.14	0.01	0.00	0.00	0.00	0.23
7.00	0.00	0.58	0.02	0.00	0.00	0.00	0.67
7.50	0.00	1.30	0.05	0.00	0.00	0.00	1.42
8.00	0.00	2.16	0.09	0.00	0.00	0.00	2.33
8.50	0.00	3.03	0.14	0.00	0.00	0.00	3.24
9.00	0.00	3.89	0.18	0.00	0.00	0.00	4.15

Soil Storage: **0.34**

Curve No. (CN): **97**

47th 3 **1.74**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		1.65	L	6.00	7.50	1.50
Green		0.09	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		1.74				

Retain pre-treatment volume onsite: 0.07 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.07
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
6.50	0.00	0.14	0.01	0.00	0.00	0.00	0.22
7.00	0.00	0.55	0.02	0.00	0.00	0.00	0.65
7.50	0.00	1.24	0.05	0.00	0.00	0.00	1.36
8.00	0.00	2.07	0.09	0.00	0.00	0.00	2.23
8.50	0.00	2.89	0.13	0.00	0.00	0.00	3.10
9.00	0.00	3.72	0.17	0.00	0.00	0.00	3.97

Soil Storage: **0.34**

Curve No. (CN): **97**

47th 4 **1.02**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.97	L	6.00	7.50	1.50
Green		0.05	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		1.02				

Retain pre-treatment volume onsite: 0.04 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.50	0.00	0.08	0.00	0.00	0.00	0.00	0.13
7.00	0.00	0.32	0.01	0.00	0.00	0.00	0.38
7.50	0.00	0.73	0.03	0.00	0.00	0.00	0.80
8.00	0.00	1.21	0.05	0.00	0.00	0.00	1.30
8.50	0.00	1.70	0.08	0.00	0.00	0.00	1.81
9.00	0.00	2.18	0.10	0.00	0.00	0.00	2.32

Soil Storage: **0.34**

Curve No. (CN): **97**

OAKES 1 **2.45**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		2.33	L	6.00	7.50	1.50
Green		0.12	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		2.45				

Retain pre-treatment volume onsite: 0.10 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.10
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
6.50	0.00	0.19	0.01	0.00	0.00	0.00	0.30
7.00	0.00	0.78	0.03	0.00	0.00	0.00	0.91
7.50	0.00	1.75	0.07	0.00	0.00	0.00	1.92
8.00	0.00	2.91	0.12	0.00	0.00	0.00	3.13
8.50	0.00	4.07	0.18	0.00	0.00	0.00	4.36
9.00	0.00	5.24	0.25	0.00	0.00	0.00	5.58

Soil Storage: **0.34**

Curve No. (CN): **97**

OAKES 2 **0.85**

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.81	L	6.00	7.50	1.50
Green		0.04	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		0.85				

Retain pre-treatment volume onsite: 0.04 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.50	0.00	0.07	0.00	0.00	0.00	0.00	0.11
7.00	0.00	0.27	0.01	0.00	0.00	0.00	0.32
7.50	0.00	0.61	0.02	0.00	0.00	0.00	0.66
8.00	0.00	1.01	0.04	0.00	0.00	0.00	1.09
8.50	0.00	1.41	0.06	0.00	0.00	0.00	1.51
9.00	0.00	1.82	0.09	0.00	0.00	0.00	1.94

Soil Storage: **0.34**

Curve No. (CN): **97**

OAKES 3 0.97

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		0.92	L	6.00	7.50	1.50
Green		0.05	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		0.97				

Retain pre-treatment volume onsite: 0.04 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
6.50	0.00	0.08	0.00	0.00	0.00	0.00	0.12
7.00	0.00	0.31	0.01	0.00	0.00	0.00	0.36
7.50	0.00	0.69	0.03	0.00	0.00	0.00	0.76
8.00	0.00	1.15	0.05	0.00	0.00	0.00	1.24
8.50	0.00	1.61	0.07	0.00	0.00	0.00	1.73
9.00	0.00	2.07	0.10	0.00	0.00	0.00	2.21

Soil Storage: 0.34

Curve No. (CN): 97

KEEN RD 2.10

1.

AREA		ACRES	V/L	START ELEV	END ELEV	CHANGE
Building		0.00	V	10.00	10.00	0.00
Pavement		2.00	L	6.00	7.50	1.50
Green		0.11	L	6.00	8.00	2.00
Retention Bottom		0.00	L	3.00	3.00	0.00
Lake		0.00	L	2.00	2.00	0.00
0		0.00	L	0.00	0.00	0.00
		2.10				

Retain pre-treatment volume onsite: 0.09 ac.ft (prior to 5.0' NGVD)

STAGE (ft.)	Building	Pavement	Green	Retention Bottom	Lake	0	TOTAL (ac.-ft.)
3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.09
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
6.50	0.00	0.17	0.01	0.00	0.00	0.00	0.26
7.00	0.00	0.67	0.03	0.00	0.00	0.00	0.78
7.50	0.00	1.50	0.06	0.00	0.00	0.00	1.64
8.00	0.00	2.49	0.11	0.00	0.00	0.00	2.69
8.50	0.00	3.49	0.16	0.00	0.00	0.00	3.74
9.00	0.00	4.49	0.21	0.00	0.00	0.00	4.79

Soil Storage: **0.34**

Curve No. (CN): **97**

THISCD POST DEVELOPMENT LANDUSE 35-45-20							10/2013
	SITE AREAS (acres)						
Basin ID	Total	Building	Pavement	Green	Dry Retention	Lake	Storage at Flood Encroachment El. (6.50' NGVD)
SOUTH OF OAKES ROAD							
T P1	22.63	7.92	10.18	4.53	0.00	0.00	9.22
T G1	7.41	0.00	0.15	5.15	2.11	0.00	17.99
T L1	3.65	0.00	0.00	1.07	0.00	2.58	14.15
FPL	4.52	0.23	1.13	3.16	0.00	0.00	7.74
Sub-Total:	**38.21**	**8.15**	**11.46**	**13.91**	**2.11**	**2.58**	**49.09**
NORTH OF OAKES ROAD							
T P2	47.59	16.66	21.42	9.52	0.00	0.00	19.38
T P3	27.86	9.75	12.54	5.57	0.00	0.00	11.35
T G2	18.25	0.00	0.18	12.53	5.54	0.00	44.81
T G3	1.94	0.00	0.00	0.14	1.80	0.00	6.58
T G4	5.75	0.00	0.06	1.12	4.57	0.00	16.07
T G5	8.58	0.00	0.09	7.37	1.12	0.00	18.84
T L2	15.98	0.00	0.00	2.03	0.00	13.95	67.85
T 84 SPUR	1.46	0.00	1.31	0.15	0.00	0.00	9.22
Sub-Total:	**127.41**	26.41	35.59	38.43	13.03	13.95	**194.10**
KEEN ROAD							
KEEN 1	2.14	0.00	1.93	0.21	0.00	0.00	0.32
KEEN 2	1.01	0.00	0.91	0.10	0.00	0.00	0.15
KEEN 3	0.89	0.00	0.80	0.09	0.00	0.00	0.13
Sub-Total:	**4.04**	**0.00**	**3.64**	**0.40**	**0.00**	**0.00**	**0.61**
OAKES ROAD							
T OAKES 1	0.52	0.00	0.47	0.05	0.00	0.00	0.07
T OAKES 2	0.40	0.00	0.36	0.04	0.00	0.00	0.05
T OAKES 3	0.42	0.00	0.38	0.04	0.00	0.00	0.05
Sub-Total:	**1.34**	**0.00**	**1.21**	**0.13**	**0.00**	**0.00**	**0.17**
FIELD ROAD							
FIELD 1	0.62	0.00	0.56	0.06	0.00	0.00	0.08
FIELD 2	0.97	0.00	0.87	0.10	0.00	0.00	0.13
FIELD 3	0.85	0.00	0.77	0.09	0.00	0.00	0.11
Sub-Total:	**2.44**	**0.00**	**2.20**	**0.24**	**0.00**	**0.00**	**0.32**
Total:	**173.44**	**34.55**	**54.09**	**53.12**	**15.14**	**16.53**	**244.28**