Name: L1/G1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-3.000	0.0000
2.000	0.0500
3.000	0.6700
4.000	1.5300
4.500	2.1000
5.000	2.8000
5.500	3.6200
6.000	4.5600
6.500	5.5700
7.000	6.5700
7.500	7.5800
8.000	8.5800
8.500	9.5900
9.000	10.5900

Name: L2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 6.500
Type: Stage/Volume

Stage(ft)	Volume(af)
-2.000	0.0000
2.000	0.0200
3.000	2.2600
4.000	4.5200
4.500	5.6500
5.000	6.7800
5.500	7.9100
6.000	9.0400
6.500	10.1700
7.000	11.3000
7.500	12.4300
8.000	13.5600
8.500	14.6900
9.000	15.8200

Name: L3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 6.500
Type: Stage/Volume

Stage(ft)	Volume(af)
-2.000	0.0000
2.000	0.0200
3.000	2.1700
4.000	4.3400
4.500	5.4300
5.000	6.5100
5.500	7.6000
6.000	8.6800
6.500	9.7700
7.000	10.8500
7.500	11.9400
8.000	13.0200
8.500	14.1100
9.000	15.1900

Name: L4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 6.500
Type: Stage/Volume

Stage(ft)	Volume(af)

-3.000	0.0000
2.000	0.0500
3.000	1.3300
4.000	2.6600
4.500	3.3900
5.000	4.2500
5.500	5.2500
6.000	6.4200
6.500	7.6600
7.000	8.9100
7.500	10.1500
8.000	11.4000
8.500	12.6400
9.000	13.8900

Name: L5 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-3.000	0.0000
2.000	0.0500
3.000	2.3700
4.000	4.7400
4.500	5.9800
5.000	7.3400
5.500	8.8200
6.000	10.4100
6.500	12.0600
7.000	13.7100
7.500	15.3600
8.000	17.0100
8.500	18.6600
9.000	20.3100

Name: L6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-2.000	0.0000
2.000	0.0500
3.000	1.6700
4.000	3.3400
4.500	4.2400
5.000	5.2600
5.500	6.4100
6.000	7.6900
6.500	9.0300
7.000	10.3700
7.500	11.7100
8.000	13.0500
8.500	14.3900
9.000	15.7300

Name: L7 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-2.000	0.0000
2.000	0.0500
3.000	2.6300
4.000	5.2600
4.500	6.6100
5.000	8.0300
5.500	9.5100
6.000	11.0700

6.500	12.6600
7.000	14.2500
7.500	15.8400
8.000	17.4300
8.500	19.0200
9.000	20.6100

Name: L8 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-2.000	0.0000
2.000	0.0500
3.000	1.2900
4.000	2.5800
4.500	3.2600
5.000	3.9900
5.500	4.7900
6.000	5.6400
6.500	6.5300
7.000	7.4100
7.500	8.3000
8.000	9.1800
8.500	10.0700
9.000	10.9500

Name: N-1 Canal Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-5.000	0.0000
2.000	0.0200
3.000	0.5500
4.000	1.1000
4.500	1.3800
5.000	1.6500
5.500	1.9300
6.000	2.2000
6.500	2.4800
7.000	2.7500
7.500	3.0300
8.000	3.3000
8.500	3.5800
9.000	3.8500

Name: N441 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
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): 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: 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)
-1.000	0.0000
6.000	0.0000

Name: N441SWALE3 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: NB-DITCH3 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	0.0001
3.400	0.0100
3.500	0.3400
4.600	0.4540
6.600	0.6900

Name: NDITCH 9 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: NE G1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
3.500	0.3100
4.000	1.2200
4.500	2.4700
5.000	3.7500
5.500	5.0600
6.000	6.4100
6.500	7.7700
7.000	9.1300
8.000	11.8500
9.000	14.5700

Name: NE G2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.4200
4.000	1.6900
4.500	3.4800
5.000	5.4600
5.500	7.6300
6.000	9.9600
6.500	12.3800
7.000	14.7900
7.500	17.2100
8.000	19.6200
9.000	24.4500

Name: NE G2 Junction Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: NE G3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.4400
4.000	0.8700
4.500	1.3100
5.000	1.7700
5.500	2.2300
6.000	2.7000
6.500	3.1800
7.000	3.6600
7.500	4.1500
8.000	4.6300
8.500	5.1200
9.000	5.6000

Name: NE L1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 6.500
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0100
2.500	3.4000
3.000	6.8000
3.500	10.2000
4.000	13.6000
4.500	17.0000
5.000	20.4000
5.500	23.8000
6.000	27.2000
6.500	30.6000
7.000	34.0000
8.000	40.8000
9.000	47.6000

Name: NE L2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0200
2.500	0.9100
3.000	1.8200
3.500	2.7300
4.000	3.6400
4.500	4.6100
5.000	5.7100
5.500	6.9300
6.000	8.2700
6.500	9.7400
7.000	11.2700
8.000	14.3300
9.000	17.3900

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

Stage(ft)	Area(ac)

Name: NE P1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
5.000	0.2600
5.500	0.3400
6.000	0.5800
6.500	1.2100
7.000	2.4800
7.500	4.2900
8.000	6.3500
8.500	9.5100
9.000	12.6700

Name: NE P2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0100
5.000	0.7100
5.500	0.9200
6.000	1.5600
6.500	3.2600
7.000	6.6600
7.500	11.5500
8.000	17.0800
8.500	25.5900
9.000	34.0900

Name: NE P3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
5.000	0.6000
5.500	0.7800
6.000	1.3100
6.500	2.7500
7.000	5.6100
7.500	9.7300
8.000	14.3900
8.500	21.5500
9.000	28.7200

Name: NE P4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
2.000	0.0500
5.000	0.6100
5.500	0.8000
6.000	1.3500
6.500	2.8200
7.000	5.7700
7.500	10.0000
8.000	14.7900
8.500	22.1600
9.000	29.5200

Name: Nend 84 Spur Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
4.000	0.0100
4.500	0.0200
5.000	0.0300
5.500	0.0400
6.000	0.0600
6.500	0.2300
7.000	0.6000
7.500	1.1500
8.000	1.7900
8.500	2.4300
9.000	3.0700

Name: Nend Burris Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
6.000	0.0100
6.500	0.1100
7.000	0.3600
7.500	0.7800
8.000	1.2700
8.500	1.7700
9.000	2.2600

Name: Nend G1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000

Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
4.000	0.0500
4.500	0.2800
5.000	0.8300
5.500	1.3900
6.000	2.0000
6.500	2.6300
7.000	3.2500
7.500	3.8800
8.000	4.5000
8.500	5.1300
9.000	5.7500

Name: Nend MH Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: Nend P1 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
3.500	2.1200
4.000	4.2400
4.500	6.6100
5.000	10.9600
5.500	14.0800
6.000	17.2400
6.500	20.9100
7.000	26.3500
7.500	33.7800
8.000	43.2000
8.500	54.3900
9.000	71.2400

Name: Nend P2 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
4.000	0.0200
4.500	0.2500
5.000	0.6400
5.500	0.9200
6.000	1.2400
6.500	1.6500
7.000	2.2900
7.500	3.2100
8.000	4.3500
8.500	5.5200
9.000	6.7000

Name: Nend P3 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: Broward Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
4.000	0.0200
4.500	0.2700
5.000	0.7000
5.500	1.0000
6.000	1.3600
6.500	1.8100
7.000	2.5300
7.500	3.5500
8.000	4.8400
8.500	6.1700
9.000	7.5000

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

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	0.1000
6.000	0.1200
6.500	0.4100
7.000	1.3300
7.500	2.5500
8.000	3.7800
8.500	5.0000
9.000	6.2300

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

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
5.000	0.0400
6.000	0.0600
6.500	0.1400
7.000	0.4600
7.500	0.8900
8.000	1.3100
8.500	1.7400

9.000	2.1600

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

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0200
5.000	0.0400
6.000	0.0420
6.500	0.1600
7.000	0.5300
7.500	1.0100
8.000	1.5000
8.500	1.9800
9.000	2.4700

Name: OUTFALL Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	2.000
100.00	2.000

Name: P1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.1700
5.500	0.2200
6.000	0.3800
6.500	0.7900
7.000	1.6100
7.500	2.7800
8.000	4.1200
8.500	6.1700
9.000	8.2200

Name: P10 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	0.4600
5.500	0.6000
6.000	1.0100
6.500	2.1200
7.000	4.3200
7.500	7.5000
8.000	11.0900
8.500	16.6100
9.000	22.1300

Name: P11 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	0.1100
5.500	0.1400
6.000	0.2400
6.500	0.5100
7.000	1.0400
7.500	1.8000
8.000	2.6600
8.500	3.9900
9.000	5.3100

Name: P12 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	1.7500
5.500	2.2700
6.000	3.8500
6.500	8.0400
7.000	16.4400
7.500	28.5000
8.000	42.1400
8.500	63.1300
9.000	84.1100

Name: P13 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	0.1900
5.500	0.2400
6.000	0.4100
6.500	0.8600
7.000	1.7700
7.500	3.0600
8.000	4.5300
8.500	6.7800
9.000	9.0400

Name: P14 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
0.000	0.0000
3.000	0.0500
5.000	0.1900
5.500	0.2500
6.000	0.4300
6.500	0.9000
7.000	1.8300
7.500	3.1700
8.000	4.6900
8.500	7.0200
9.000	9.3600

Name: P2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0500
5.000	0.2700
5.500	0.3500
6.000	0.5900
6.500	1.2400
7.000	2.5300
7.500	4.3900
8.000	6.5000
8.500	9.7300
9.000	12.9700

Name: P3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0500
5.000	0.8400
5.500	1.1000
6.000	1.8600
6.500	3.8800
7.000	7.9300
7.500	13.7500
8.000	20.3200
8.500	30.4400
9.000	40.5600

Name: P4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.2000
5.500	0.2600
6.000	0.4500
6.500	0.9400
7.000	1.9200
7.500	3.3200
8.000	4.9100
8.500	7.3600
9.000	9.8000

Name: P5 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.0700
5.500	0.1000
6.000	0.1600
6.500	0.3400
7.000	0.7000
7.500	1.2200

8.000	1.8000
8.500	2.6900
9.000	3.5900

Name: P6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.2700
5.500	0.3500
6.000	0.5900
6.500	1.2300
7.000	2.5100
7.500	4.3600
8.000	6.4500
8.500	9.6600
9.000	12.8700

Name: P7 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
5.000	0.4700
5.500	0.6100
6.000	1.0300
6.500	2.1400
7.000	4.3800
7.500	7.6000
8.000	11.2400
8.500	16.8300
9.000	22.4300

Name: P8 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 6.500
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.2100
5.500	0.2700
6.000	0.4600
6.500	0.9600
7.000	1.9700
7.500	3.4100
8.000	5.0400
8.500	7.5500
9.000	10.0600

Name: P9 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
5.000	0.5900
5.500	0.7700

6.000	1.3000
6.500	2.7100
7.000	5.5400
7.500	9.6000
8.000	14.2000
8.500	21.2700
9.000	28.3400

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)
-1.000	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 Plunge Factor: 1.00 Warn Stage(ft): 0.000
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: R1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

U PULL IT

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0200
5.000	0.0400
5.500	0.0420
6.000	0.0440
6.500	0.1600
7.000	0.5100
7.500	0.9900
8.000	1.4600
8.500	1.9400
9.000	2.4100

Name: R2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: CBWCD Warn Stage(ft): 0.000
Type: Stage/Volume

U PULL IT

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0200
5.000	0.0500
5.500	0.0520
6.000	0.0540
6.500	0.1600
7.000	0.4900
7.500	1.0200

8.000	1.6800
8.500	2.3300
9.000	2.9900

Name: T 84 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
5.500	0.0200
6.000	0.0700
6.500	0.2600
7.000	0.6600
7.500	1.2800
8.000	2.0100
8.500	2.7400
9.000	3.4700

Name: T Field 1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0300
5.500	0.0320
6.000	0.0340
6.500	0.0800
7.000	0.2400
7.500	0.5100
8.000	0.8200
8.500	1.1300
9.000	1.4400

Name: T Field 2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0400
5.500	0.0420
6.000	0.0440
6.500	0.1300
7.000	0.3800
7.500	0.7900
8.000	1.2800
8.500	1.7600
9.000	2.2500

Name: T Field 3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0400
5.500	0.0420
6.000	0.0440
6.500	0.1100
7.000	0.3300
7.500	0.6900
8.000	1.1200

8.500	1.5400
9.000	1.9700

Name: T G1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
3.000	0.0000
3.500	1.0600
4.000	2.1100
4.500	3.8300
5.000	6.8700
5.500	10.5800
6.000	14.2800
6.500	17.9900
7.000	21.6900
7.500	25.4000
8.000	29.1000
8.500	32.8100
9.000	36.5100

Name: T G2 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	2.7700
4.000	5.5400
4.500	9.9000
5.000	17.4400
5.500	26.5600
6.000	35.6900
6.500	44.8100
7.000	53.9400
7.500	63.0600
8.000	72.1900
8.500	81.3100
9.000	90.4400

Name: T G3 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	0.9000
4.000	1.8000
4.500	2.7200
5.000	3.6700
5.500	4.6400
6.000	5.6100
6.500	6.5800
7.000	7.5500
7.500	8.5200
8.000	9.4900
8.500	10.4600
9.000	11.4300

Name: T G4 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	0.5700
4.000	2.2900
4.500	4.7200
5.000	7.4500
5.500	10.3200
6.000	13.2000
6.500	16.0700
7.000	18.9500
7.500	21.8200
8.000	24.7000
8.500	27.5700
9.000	30.4500

Name: T G5 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	0.5600
4.000	1.1200
4.500	2.6100
5.000	5.9700
5.500	10.2600
6.000	14.5500
6.500	18.8400
7.000	23.1300
7.500	27.4200
8.000	31.7100
8.500	36.0000
9.000	40.2900

Name: T Kean 1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0900
5.500	0.0920
6.000	0.1100
6.500	0.3200
7.000	0.8900
7.500	1.8000
8.000	2.8700
8.500	3.9400
9.000	5.0100

Name: T Kean 2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0400
5.500	0.0420
6.000	0.0500
6.500	0.1500
7.000	0.4200
7.500	0.8500
8.000	1.3600
8.500	1.8600
9.000	2.3700

Name: T Kean 3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000

Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
5.000	0.0400
5.500	0.0420
6.000	0.0440
6.500	0.1300
7.000	0.3700
7.500	0.7500
8.000	1.1900
8.500	1.6400
9.000	2.0800

Name: T L1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: TINDALL Warn Stage(ft): 6.000
Type: Stage/Volume

Stage(ft)	Volume(af)
2.000	0.0000
3.000	2.5800
4.000	5.4000
4.500	6.9900
5.000	8.6900
5.500	10.5000
6.000	12.3300
6.500	14.1500
7.000	15.9800
7.500	17.8000
8.000	19.6300
8.500	21.4500
9.000	23.2800

Name: T L2 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
2.000	0.0500
3.000	13.9500
4.000	28.4100
4.500	36.0200
5.000	43.8800
5.500	51.8700
6.000	59.8600
6.500	67.8500
7.000	75.8400
7.500	83.8300
8.000	91.8200
8.500	99.8100
9.000	107.8000

Name: T OAKES 1 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	0.0200
5.500	0.0220
6.000	0.0240
6.500	0.0700
7.000	0.2000

7.500	0.4100
8.000	0.6700
8.500	0.9300
9.000	1.1900

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

Stage(ft)	Volume(af)
1.000	0.0000
2.000	0.0100
5.000	0.0200
5.500	0.0220
6.000	0.0240
6.500	0.0500
7.000	0.1500
7.500	0.3200
8.000	0.5200
8.500	0.7200
9.000	0.9200

Name: T OAKES 3 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	0.0200
5.500	0.0220
6.000	0.0240
6.500	0.0500
7.000	0.1600
7.500	0.3300
8.000	0.5400
8.500	0.7500
9.000	0.9600

Name: T P1 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	0.9400
5.500	1.8600
6.000	4.6200
6.500	9.2200
7.000	15.6500
7.500	23.0100
8.000	30.3600
8.500	37.7200
9.000	45.0700

Name: T P2 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	1.9800
5.500	3.9200
6.000	9.7200
6.500	19.3800

7.000	32.9200
7.500	48.3800
8.000	63.8500
8.500	79.3200
9.000	94.7800

Name: T P3 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	1.1600
5.500	2.2900
6.000	5.6900
6.500	11.3500
7.000	19.2700
7.500	28.3200
8.000	37.3800
8.500	46.4300
9.000	55.4900

Name: THISCD Canal 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	9999.000
200.00	9999.000

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)

==========
==== 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
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
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
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
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
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
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
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: CBWCD
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
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: OUTFALL WEIR Group: BASE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	6.750	0.000000
0.000	4.500	0.000000

2.000	4.500	0.000000
3.750	3.000	0.000000
5.500	4.500	0.000000
7.500	4.500	0.000000
7.500	6.750	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: 47th 2 to R1 From Node: 47th 2 Length(ft): 500.00
Group: CBWCD To Node: R1 Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	2.000	2.000
Manning's N:	0.015000	0.015000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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

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

Name: 47th 3 to 47th2 From Node: 47th 3 Length(ft): 500.00
Group: CBWCD To Node: 47th 2 Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	24.00	24.00
Rise(in):	24.00	24.00
Invert(ft):	2.000	2.000
Manning's N:	0.015000	0.015000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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

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

```
        Name: 47th 3 to R2        From Node: 47th 3            Length(ft): 500.00
       Group: CBWCD                 To Node: R2                     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: 0.00
    Rise(in): 24.00          24.00                          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: 47th MH to G10      From Node: 47th MH North     Length(ft): 100.00
       Group: CBWCD                 To Node: G10                    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: 0.00
    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: 4X4 CULVERT         From Node: NODE EAST 2       Length(ft): 340.00
       Group: TINDALL               To Node: THISCD Canal           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: 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:	84 RCP 1	From Node: CULVERT MH2	Length(ft):	230.00
Group:	CBWCD	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:	84 RCP 2	From Node: CULVERT MH1	Length(ft):	490.00
Group:	CBWCD	To Node: CULVERT MH1A	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: Burris 1-2          From Node: BURRIS 1          Length(ft): 300.00
       Group: Broward               To Node: BURRIS 2               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): 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: BURRIS 2-3          From Node: BURRIS 2          Length(ft): 650.00
       Group: Broward               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): 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: BURRIS 3-4          From Node: BURRIS 3          Length(ft): 500.00
       Group: Broward               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): 2.000          2.000                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.150000                     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 4-5          From Node: BURRIS 4          Length(ft): 550.00
       Group: Broward               To Node: BURRIS 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): 2.000          2.000                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.150000                     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 5 to R       From Node: BURRIS 5           Length(ft): 600.00
        Group: Broward               To Node: NE G3                   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): 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: EP66                From Node: POND 7-2A/B        Length(ft): 177.00
        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): 66.00          66.00                       Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 1.00
   Invert(ft): -0.090         -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:
Circular Concrete: Square edge w/ headwall

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


-----------------------------------------------------------------------------------------------
         Name: EP72                From Node: POND 7-2C/6        Length(ft): 211.00
        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): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 72.00          72.00                           Exit Loss Coef: 1.00
   Invert(ft): 0.000          -0.560                          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: G11 to CS          From Node: G11                Length(ft): 100.00
       Group: CBWCD                To Node: Kean CS                 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: G7 to 47th MH      From Node: G7                 Length(ft): 100.00
       Group: CBWCD                To Node: 47th MH North           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: 0.00
    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: L1/G1 to 47th M    From Node: 47th MH South      Length(ft): 200.00
       Group: CBWCD                To Node: L1/G1                   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): -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: L1/G1 to N-1 Ca    From Node: L1/G1              Length(ft): 100.00
       Group: CBWCD                To Node: N-1 Canal               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: 0.00
    Rise(in): 48.00          48.00                          Exit Loss Coef: 1.00
  Invert(ft): -2.000         -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: L2 to Cul MH7       From Node: L2                  Length(ft): 135.00
        Group: CBWCD                 To Node: CULVERT MH7              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          -0.040                           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:
Circular Concrete: Square edge w/ headwall

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


-----------------------------------------------------------------------------------------------
         Name: L3 to Cul MH3       From Node: L3                  Length(ft): 550.00
        Group: CBWCD                 To Node: CULVERT MH3              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): -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: L4 to 47th MH       From Node: L4                  Length(ft): 200.00
        Group: CBWCD                 To Node: 47th MH South            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): -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: L5 to L4          From Node: L5              Length(ft): 150.00
       Group: CBWCD               To Node: L4                   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: 0.00
    Rise(in): 48.00          48.00                       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: L6 to L5          From Node: L6              Length(ft): 100.00
       Group: CBWCD               To Node: L5                   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         -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: L7 to L5          From Node: L7              Length(ft): 140.00
       Group: CBWCD               To Node: L5                   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): -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: L8 to L7          From Node: L8              Length(ft): 140.00
       Group: CBWCD               To Node: L7                   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): -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: NE G2 Junct to      From Node: NE G2 Junction     Length(ft): 350.00
       Group: Broward               To Node: NE L1                   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: NE G3 to 441        From Node: NE G3              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: NE L2 to G2 Juc     From Node: NE MH              Length(ft): 300.00
       Group: Broward               To Node: NE G2 Junction          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: NE L2 to MH        From Node: NE L2              Length(ft): 300.00
       Group: Broward              To Node: NE MH                   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: Nend 84 to G1      From Node: Nend 84 Spur       Length(ft): 300.00
       Group: Broward              To Node: Nend G1                 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): 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: Nend to NE MH      From Node: Nend MH            Length(ft): 1600.00
       Group: Broward              To Node: NE MH                   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): 2.000          2.000                          Bend Loss Coef: 0.00
 Manning's N: 0.015000       0.150000                     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 3 to 2       From Node: OAKES 3            Length(ft): 310.00
       Group: CBWCD                To Node: OAKES 2                 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): 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: OAKES 3 to 47th     From Node: OAKES 3            Length(ft): 250.00
        Group: CBWCD                 To Node: 47th 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): 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: OAKES2 to 1         From Node: OAKES 2            Length(ft): 200.00
        Group: CBWCD                 To Node: OAKES 1                  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): 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 36 RCP            From Node: CULVERT MH7        Length(ft): 160.00
        Group: CBWCD                 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 48 RCP            From Node: CULVERT MH5        Length(ft): 280.00
        Group: CBWCD                 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 48 RCP 1          From Node: CULVERT MH6        Length(ft): 235.00
        Group: CBWCD                 To Node: CULVERT MH5             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): -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 60 RCP            From Node: CULVERT MH4        Length(ft): 395.00
        Group: CBWCD                 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): 500.00
        Group: CBWCD                 To Node: 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: CULVERT MH3A       Length(ft): 770.00
        Group: CBWCD                 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 NEW 84 RCP        From Node: CULVERT MH1A       Length(ft): 200.00
        Group: CBWCD                 To Node: N-1 Canal               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 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: P13 to L8           From Node: G10               Length(ft): 850.00
       Group: CBWCD                 To Node: L8                      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: 0.00
    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: PND6-N441SWALE      From Node: N441SWALE2        Length(ft): 380.00
       Group: BASE                  To Node: NE L1                   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: T Field 1 to 2      From Node: T Field 1         Length(ft): 800.00
       Group: TINDALL               To Node: T Field 2               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: 0.00
     Rise(in): 24.00          24.00                        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: T Field 2 to 3      From Node: T Field 2          Length(ft): 800.00
        Group: TINDALL               To Node: T Field 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: 0.00
     Rise(in): 24.00          24.00                            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: T Kean 1 to 2       From Node: T Kean 1           Length(ft): 700.00
        Group: TINDALL               To Node: T Kean 2                 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): 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: T Kean 3 to 2       From Node: T Kean 3           Length(ft): 800.00
        Group: TINDALL               To Node: T Kean 2                 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): 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: T Kean to Oakes     From Node: T Kean 3          Length(ft): 300.00
        Group: TINDALL               To Node: T OAKES 2                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: 0.00
     Rise(in): 24.00          24.00                            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: T Oakes 2 to 1      From Node: T OAKES 2         Length(ft): 500.00
        Group: TINDALL               To Node: T OAKES 1                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: 0.00
     Rise(in): 24.00          24.00                            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: T Oakes 3 to 2      From Node: T OAKES 3         Length(ft): 500.00
        Group: TINDALL               To Node: T OAKES 2                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: 0.00
     Rise(in): 24.00          24.00                            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: T Oakesto Field     From Node: T OAKES 3         Length(ft): 300.00
        Group: TINDALL               To Node: T Field 1                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: 0.00
     Rise(in): 24.00          24.00                         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


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

          Name: 441 RET NDITCH9     From Node: N441 RET           Length(ft): 590.00
         Group: BASE                  To Node: NDITCH 9                 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: CHANNEL 1           From Node: POND 7-2A/9        Length(ft): 170.00
         Group: TINDALL               To Node: NODE EAST 1              Count: 1

                UPSTREAM        DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal     Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 1.600           1.200                                 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: NODE EAST 1        Length(ft): 510.00
         Group: TINDALL               To Node: NODE EAST 2              Count: 1

                UPSTREAM        DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal     Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 1.200           -1.400                                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): 6.000          6.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          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: NDITCH9 441SWAL     From Node: NDITCH 9           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: 47th1 to L1/G1      From Node: 47th 1            Length(ft): 250.00
       Group: CBWCD                 To Node: 47th MH South          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): 2.000          2.000                        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 47th1 to L1/G1 ***
                                                                                   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): 5.000
               Rise(in): 24.00                  Control Elev(ft): 5.000

------------------------------------------------------------------------------------------
        Name: 47th2 to L1/G1      From Node: 47th 2            Length(ft): 200.00
       Group: CBWCD                 To Node: 47th MH South          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): 2.000          2.000                        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 47th2 to L1/G1 ***
                                                                                   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): 24.00                  Control Elev(ft): 5.000

------------------------------------------------------------------------------------------
        Name: 47th2 to L5         From Node: 47th 2            Length(ft): 700.00
       Group: CBWCD                 To Node: L5                     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: 0.015000        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 47th2 to L5 ***
                                                                                    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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: 47th3 to MH          From Node: 47th 3             Length(ft): 500.00
        Group: CBWCD                  To Node: 47th MH North           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): 2.000           2.000                        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 47th3 to MH ***
                                                                                    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): 5.000
               Rise(in): 12.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: 47th4 to MH          From Node: 47th 4             Length(ft): 200.00
        Group: CBWCD                  To Node: 47th MH North           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): 2.000           2.000                        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 47th4 to MH ***
                                                                                    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): 5.000
            Rise(in): 12.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: Burris 3 to G2      From Node: BURRIS 3          Length(ft): 100.00
       Group: Broward               To Node: NE G2                 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): 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 Burris 3 to G2 ***
                                                                                    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): 24.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        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 OUT              From Node: L2                Length(ft): 2000.00
       Group: CBWCD                 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): 6.750
              Rise(in): 48.00                    Control Elev(ft): 6.750


-----------------------------------------------------------------------------------------------
        Name: G2 to Cul MH1       From Node: G2                Length(ft): 200.00
       Group: CBWCD                 To Node: CULVERT MH1            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 1 for Drop Structure G2 to Cul MH1 ***
                                                                                    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): 3.250
              Rise(in): 24.00                    Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
        Name: G3 to Cul           From Node: G3                Length(ft): 175.00
       Group: CBWCD                 To Node: CULVERT MH2            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 G3 to Cul ***

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):	53.00	Invert(ft):	3.250
Rise(in):	40.00	Control Elev(ft):	3.250

Name:	G4 to Cul MH3A	From Node:	G4	Length(ft):	50.00
Group:	CBWCD	To Node:	CULVERT MH3A	Count:	2

	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 G4 to Cul MH3A ***

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):	3.250
Rise(in):	24.00	Control Elev(ft):	3.250

Name:	G5 to Cul MH3	From Node:	G5	Length(ft):	100.00
Group:	CBWCD	To Node:	CULVERT MH3	Count:	2

	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 1 for Drop Structure G5 to Cul 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):	3.250
Rise(in):	24.00	Control Elev(ft):	3.250

```
-----------------------------------------------------------------------------------------------------
        Name: G6 to L3            From Node: G6                  Length(ft): 100.00
       Group: CBWCD                 To Node: L3                       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 G6 to L3 ***
                                                                                          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): 3.500
              Rise(in): 24.00                    Control Elev(ft): 3.500


-----------------------------------------------------------------------------------------------------
        Name: G7 to L3            From Node: G7                  Length(ft): 100.00
       Group: CBWCD                 To Node: L3                       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 G7 to L3 ***
                                                                                          TABLE
                 Count: 2                        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): 3.250
              Rise(in): 24.00                    Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------------
        Name: G8 to Cul MH6       From Node: G8                  Length(ft): 100.00
       Group: CBWCD                 To Node: CULVERT MH4              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 G8 to Cul MH6 ***

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):	3.250
Rise(in):	24.00	Control Elev(ft):	3.250

Name:	G9 to L5	From Node:	G9	Length(ft):	100.00
Group:	CBWCD	To Node:	L5	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	-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 G9 to L5 ***

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):	53.00	Invert(ft):	3.250
Rise(in):	40.00	Control Elev(ft):	3.250

Name:	Keane Rd to G11	From Node:	Kean Rd	Length(ft):	100.00
Group:	CBWCD	To Node:	G11	Count:	2

	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 1 for Drop Structure Keane Rd to G11 ***

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):	24.00	Control Elev(ft):	5.000

```
-----------------------------------------------------------------------------------------------
        Name: KEANERET-C11        From Node: Kean CS          Length(ft): 90.00
       Group: CBWCD                 To Node: C11                   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: 0.025000      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 KEANERET-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): 53.00                        Invert(ft): 6.600
              Rise(in): 40.00                  Control Elev(ft): 6.600


-----------------------------------------------------------------------------------------------
        Name: L6 to G11           From Node: L6               Length(ft): 350.00
       Group: CBWCD                 To Node: G11                   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 L6 to G11 ***
                                                                                    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): 3.000
              Rise(in): 24.00                  Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------
        Name: N1 OUTFALL          From Node: N-1 Canal        Length(ft): 265.00
       Group: CBWCD                 To Node: C11                   Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
    Span(in): 66.00          66.00                               Flow: Positive
    Rise(in): 66.00          66.00                  Entrance Loss Coef: 0.000
   Invert(ft): -2.000        -2.000                     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 N1 OUTFALL ***

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):	0.50	Invert(ft):	2.000
Left Sd Slp(h/v):	1.00	Control Elev(ft):	2.000
Right Sd Slp(h/v):	1.00	Struct Opening Dim(ft):	1.40

*** Weir 2 of 2 for Drop Structure N1 OUTFALL ***

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):	66.00	Invert(ft):	6.000
Rise(in):	36.00	Control Elev(ft):	6.000

Name:	NE G1 to L1	From Node:	NE G1	Length(ft):	100.00
Group:	Broward	To Node:	NE L1	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	36.00	36.00	Solution Algorithm:	Most Restrictive
Rise(in):	36.00	36.00	Flow:	Both
Invert(ft):	-1.000	-1.000	Entrance Loss Coef:	0.500
Manning's N:	0.015000	0.015000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

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

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

*** Weir 1 of 1 for Drop Structure NE G1 to L1 ***

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):	3.250
Rise(in):	24.00	Control Elev(ft):	3.250

Name:	NE G2 to Juct	From Node:	NE G2	Length(ft):	5.00
Group:	Broward	To Node:	NE G2 Junction	Count:	1

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

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

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

```
*** Weir 1 of 2 for Drop Structure NE G2 to Juct ***
                                                                                    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): 3.250
              Rise(in): 24.00                    Control Elev(ft): 3.250

*** Weir 2 of 2 for Drop Structure NE G2 to Juct ***
                                                                                    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): 2.000
              Rise(in): 3.00                     Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------------
         Name: NE G2 to L1          From Node: NE G2              Length(ft): 100.00
        Group: Broward                To Node: NE L1                   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 2 for Drop Structure NE G2 to L1 ***
                                                                                    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): 3.250
              Rise(in): 24.00                    Control Elev(ft): 3.250

*** Weir 2 of 2 for Drop Structure NE G2 to L1 ***
                                                                                    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): 2.000
              Rise(in): 3.00                     Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------------
         Name: NE L1 to L2          From Node: NE L1              Length(ft): 600.00
        Group: Broward                To Node: L2                      Count: 1

              UPSTREAM        DOWNSTREAM                   Friction Equation: Automatic
     Geometry: Circular       Circular                    Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Positive
     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: 0.015000       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 NE L1 to L2 ***

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):	0.25	Invert(ft):	2.000
Left Sd Slp(h/v):	1.00	Control Elev(ft):	2.000
Right Sd Slp(h/v):	1.00	Struct Opening Dim(ft):	2.00

*** Weir 2 of 2 for Drop Structure NE L1 to L2 ***

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):	4.000
Rise(in):	24.00	Control Elev(ft):	2.000

Name:	NE L1 to OAKES	From Node:	NE L1	Length(ft):	100.00
Group:	Broward	To Node:	OAKES 1	Count:	1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	30.00	30.00	Flow:	Positive
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:	0.015000	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 NE L1 to OAKES ***

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):	5.000
Rise(in):	24.00	Control Elev(ft):	2.000

Name:	NE P1 to G1	From Node:	NE P1	Length(ft):	100.00
Group:	Broward	To Node:	NE G1	Count:	3

	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):	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 NE P1 to G1 ***
                                                                                    TABLE
                 Count: 3                        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): 5.000
              Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: NE P1 to L1          From Node: NE P1              Length(ft): 100.00
        Group: Broward                To Node: NE L1                   Count: 2

              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): 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 NE P1 to L1 ***
                                                                                    TABLE
                 Count: 2                        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): 5.500
              Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: NE P2 to G2          From Node: NE P2              Length(ft): 100.00
        Group: Broward                To Node: NE G2                   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): 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 NE P2 to G2 ***
                                                                                    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): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: NE P2 to G3          From Node: NE P2              Length(ft): 100.00
        Group: Broward                To Node: NE G3                   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): 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 NE P2 to G3 ***
                                                                                    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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: NE P2 to L1          From Node: NE P2              Length(ft): 100.00
        Group: Broward                To Node: NE L1                   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: 0.500
   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 NE P2 to L1 ***
                                                                                    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): 53.00                        Invert(ft): 5.500
               Rise(in): 40.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: NE P3 to G2          From Node: NE P3              Length(ft): 100.00
        Group: Broward                To Node: NE G2                   Count: 3

                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 1 for Drop Structure NE P3 to G2 ***
                                                                                    TABLE
                 Count: 3                        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): 5.000
              Rise(in): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: NE P3 to L1          From Node: NE P3              Length(ft): 100.00
        Group: Broward                To Node: NE L1                   Count: 3

               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): 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 NE P3 to L1 ***
                                                                                    TABLE
                 Count: 3                        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): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: NE P4 to L2          From Node: NE P4              Length(ft): 100.00
        Group: Broward                To Node: NE L2                   Count: 2

               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 1 for Drop Structure NE P4 to L2 ***
                                                                                    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): 5.000
              Rise(in): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: Nend MH-NE G3        From Node: Nend MH            Length(ft): 100.00
        Group: Broward                To Node: NE G3                   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): 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 Nend MH-NE G3 ***
                                                                                          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): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: Nend P1 to G1        From Node: Nend P1            Length(ft): 250.00
        Group: Broward                To Node: Nend G1                 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): 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 Nend P1 to G1 ***
                                                                                          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): 6.000
               Rise(in): 24.00                    Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure Nend P1 to G1 ***
                                                                                          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): 12.00                          Invert(ft): 3.000
               Rise(in): 12.00                    Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------
         Name: Nend P2 to G1        From Node: Nend P2            Length(ft): 250.00
        Group: Broward                To Node: Nend 84 Spur            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): 2.000           2.000                         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 Nend P2 to G1 ***
                                                                                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): 6.000
              Rise(in): 24.00                   Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure Nend P2 to G1 ***
                                                                                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): 4.00                         Invert(ft): 3.000
              Rise(in): 4.00                    Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------
        Name: Nend P3 to G1       From Node: Nend P3            Length(ft): 100.00
       Group: Broward               To Node: Nend G1                 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: 0.015000      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 Nend P3 to G1 ***
                                                                                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): 6.000
              Rise(in): 24.00                   Control Elev(ft): 3.000

*** Weir 2 of 2 for Drop Structure Nend P3 to G1 ***
                                                                                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): 4.00                         Invert(ft): 3.000
              Rise(in): 4.00                    Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------
        Name: NendG1 to MH        From Node: Nend G1            Length(ft): 50.00
       Group: Broward               To Node: Nend MH                 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: 0.015000       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 NendG1 to MH ***
                                                                                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): 1.00

*** Weir 2 of 2 for Drop Structure NendG1 to MH ***
                                                                                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): 24.00                    Control Elev(ft): 3.000


-----------------------------------------------------------------------------------------------
         Name: Oakes1 to L2        From Node: OAKES 1            Length(ft): 200.00
        Group: CBWCD                 To Node: L2                      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): 2.000          2.000                         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 Oakes1 to L2 ***
                                                                                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: Oakes2 to G6        From Node: OAKES 2            Length(ft): 200.00
        Group: CBWCD                 To Node: G6                      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          2.000                         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 Oakes2 to G6 ***
                                                                                  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: P1 to Cul MH1A      From Node: P1                  Length(ft): 100.00
        Group: CBWCD                 To Node: CULVERT MH1A             Count: 2

               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): 2.000          2.000                        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 P1 to Cul MH1A ***
                                                                                  TABLE
                 Count: 3                        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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: P1 to N1            From Node: P1                  Length(ft): 100.00
        Group: CBWCD                 To Node: N-1 Canal                Count: 2

               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): 2.000          2.000                        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 P1 to N1 ***
                                                                                  TABLE
                 Count: 3                        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): 24.00                  Control Elev(ft): 5.000

-----------------------------------------------------------------------------------------------
         Name: P10 to L6          From Node: P10                Length(ft): 100.00
        Group: CBWCD                To Node: L6                     Count: 2

              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: 0.500
   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 P10 to L6 ***
                                                                                    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): 5.000
              Rise(in): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: P11 to L4          From Node: P11                Length(ft): 100.00
        Group: CBWCD                To Node: L4                     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 1 for Drop Structure P11 to L4 ***
                                                                                    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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: P12 to L5          From Node: P12                Length(ft): 100.00
        Group: CBWCD                To Node: L5                     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 1 for Drop Structure P12 to L5 ***
                                                                                    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): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: P12 to L7           From Node: P12                Length(ft): 100.00
        Group: CBWCD                 To Node: L7                     Count: 2

               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 1 for Drop Structure P12 to L7 ***
                                                                                    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): 5.000
              Rise(in): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: P12 to L8           From Node: P12                Length(ft): 100.00
        Group: CBWCD                 To Node: L8                     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 1 for Drop Structure P12 to L8 ***
                                                                                    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): 24.00                 Control Elev(ft): 5.000

-----------------------------------------------------------------------------------------------
         Name: P13 to G10          From Node: P13                Length(ft): 200.00
        Group: CBWCD                 To Node: G10                     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 1 for Drop Structure P13 to G10 ***
                                                                                    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): 24.00                 Control Elev(ft): 5.000

-----------------------------------------------------------------------------------------------
         Name: P14 to 47th4        From Node: P14                Length(ft): 200.00
        Group: CBWCD                 To Node: 47th 4                  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 1 for Drop Structure P14 to 47th4 ***
                                                                                    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): 5.000
              Rise(in): 24.00                 Control Elev(ft): 5.000

-----------------------------------------------------------------------------------------------
         Name: P14 to Oakes        From Node: P14                Length(ft): 200.00
        Group: CBWCD                 To Node: OAKES 3                 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 1 for Drop Structure P14 to Oakes ***
                                                                                    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): 5.000
               Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: P2 to G3            From Node: P2                 Length(ft): 100.00
        Group: CBWCD                 To Node: G3                      Count: 2

               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 1 for Drop Structure P2 to G3 ***
                                                                                    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): 5.000
               Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: P3 to Cul MH5       From Node: P3                 Length(ft): 100.00
        Group: CBWCD                 To Node: CULVERT MH5             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 1 for Drop Structure P3 to Cul MH5 ***
                                                                                    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): 24.00                  Control Elev(ft): 5.000

-----------------------------------------------------------------------------------------------
         Name: P3 to G6            From Node: P3                 Length(ft): 160.00
        Group: CBWCD                 To Node: G6                      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 P3 to G6 ***
                                                                                    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): 5.500
              Rise(in): 24.00                  Control Elev(ft): 5.500


-----------------------------------------------------------------------------------------------
         Name: P3 to G8            From Node: P3                 Length(ft): 100.00
        Group: CBWCD                 To Node: G8                      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 1 for Drop Structure P3 to G8 ***
                                                                                    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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: P3 to L2            From Node: P3                 Length(ft): 160.00
        Group: CBWCD                 To Node: L2                      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 P3 to L2 ***
                                                                                    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): 5.500
              Rise(in): 24.00                   Control Elev(ft): 5.500


-------------------------------------------------------------------------------------------------
         Name: P4 to L1/G1          From Node: P4                  Length(ft): 200.00
        Group: CBWCD                  To Node: L1/G1                    Count: 2

               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 1 for Drop Structure P4 to L1/G1 ***
                                                                                    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): 24.00                   Control Elev(ft): 5.000


-------------------------------------------------------------------------------------------------
         Name: P5 to G2             From Node: P5                  Length(ft): 100.00
        Group: CBWCD                  To Node: G2                       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 P5 to G2 ***
                                                                                    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): 24.00                 Control Elev(ft): 5.000

*** Weir 2 of 2 for Drop Structure P5 to G2 ***
                                                                                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: P6 to G3            From Node: P6                 Length(ft): 100.00
        Group: CBWCD                 To Node: G3                      Count: 2

               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 1 for Drop Structure P6 to G3 ***
                                                                                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): 5.000
              Rise(in): 24.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: P7 to G5            From Node: P7                 Length(ft): 100.00
        Group: CBWCD                 To Node: G5                      Count: 2

               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 1 for Drop Structure P7 to G5 ***
                                                                                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): 5.000
              Rise(in): 24.00                 Control Elev(ft): 5.000


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

```
        Name: P7 to G7            From Node: P7                 Length(ft): 100.00
       Group: CBWCD                 To Node: G7                      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 1 for Drop Structure P7 to G7 ***
                                                                                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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: P8 to G6            From Node: P8                 Length(ft): 100.00
       Group: CBWCD                 To Node: G6                      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 1 for Drop Structure P8 to G6 ***
                                                                                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): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: P8 to G7            From Node: P8                 Length(ft): 100.00
       Group: CBWCD                 To Node: G7                      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 1 for Drop Structure P8 to G7 ***

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): 24.00             Control Elev(ft): 5.000
```

```
        Name: P9 to G9          From Node: P9            Length(ft): 100.00
       Group: CBWCD               To Node: G9                 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 1 for Drop Structure P9 to G9 ***

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): 24.00             Control Elev(ft): 5.000
```

```
        Name: P9 to L4          From Node: P9            Length(ft): 100.00
       Group: CBWCD               To Node: L4                 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 1 for Drop Structure P9 to L4 ***

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): 24.00             Control Elev(ft): 5.000
```

```
        Name: R1 to G3            From Node: R1                Length(ft): 100.00
       Group: CBWCD                 To Node: G3                     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 1 for Drop Structure R1 to G3 ***
                                                                                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): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: R2 to G4            From Node: R2                Length(ft): 100.00
       Group: CBWCD                 To Node: G4                     Count: 2

              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 1 for Drop Structure R2 to G4 ***
                                                                                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): 5.000
              Rise(in): 24.00                   Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
        Name: T Fictitious CS     From Node: T L2              Length(ft): 8.00
       Group: TINDALL               To Node: POND 7-2A/B            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: 0.500
   Invert(ft): 0.460         0.410                       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 2 for Drop Structure T Fictitious 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):	0.58	Invert(ft):	2.000
Left Sd Slp(h/v):	1.00	Control Elev(ft):	2.000
Right Sd Slp(h/v):	1.00	Struct Opening Dim(ft):	1.00

*** Weir 2 of 2 for Drop Structure T Fictitious CS ***

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):	6.250
Rise(in):	36.00	Control Elev(ft):	2.000

Name:	T Field to G3	From Node:	T Field 3	Length(ft):	100.00
Group:	TINDALL	To Node:	T G3	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):	2.000	2.000	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 T Field to G3 ***

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):	4.500
Rise(in):	48.00	Control Elev(ft):	4.500

Name:	T FPL to G1	From Node:	FPL	Length(ft):	100.00
Group:	TINDALL	To Node:	T G1	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):	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 1 for Drop Structure T FPL to G1 ***

```
                                                                                    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): 4.500
             Rise(in): 24.00                  Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------
         Name: T G1 to L1          From Node: T G1                Length(ft): 200.00
        Group: TINDALL               To Node: T L1                     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: 0.500
   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 T G1 to L1 ***
                                                                                    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): 3.250
             Rise(in): 48.00                  Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: T G2 to L2          From Node: T G2                Length(ft): 200.00
        Group: TINDALL               To Node: T L2                     Count: 3

              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: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          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 T G2 to L2 ***
                                                                                    TABLE
                 Count: 3                        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): 53.00                        Invert(ft): 3.500
             Rise(in): 40.00                  Control Elev(ft): 3.500


-----------------------------------------------------------------------------------------------
         Name: T G4 to G5          From Node: T G4                Length(ft): 200.00
        Group: TINDALL               To Node: T G5                     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         3.000                         Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use 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 T G4 to G5 ***
                                                                                    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): 3.500
              Rise(in): 24.00                   Control Elev(ft): 3.500


-----------------------------------------------------------------------------------------------
         Name: T G5 to L2          From Node: T G5                Length(ft): 200.00
        Group: TINDALL               To Node: T L2                     Count: 2

              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: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          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 T G5 to L2 ***
                                                                                    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): 3.500
              Rise(in): 24.00                   Control Elev(ft): 3.500


-----------------------------------------------------------------------------------------------
         Name: T Kean2 to G1       From Node: T Kean 2            Length(ft): 400.00
        Group: TINDALL               To Node: T G1                     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: 0.500
   Invert(ft): 2.000          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 1 for Drop Structure T Kean2 to G1 ***
```

```
                                                                                    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): 4.500
             Rise(in): 48.00                     Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------
         Name: T Kean2 to L1       From Node: T Kean 2          Length(ft): 600.00
        Group: TINDALL               To Node: T L1                   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: 0.500
   Invert(ft): 2.000          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 T Kean2 to L1 ***
                                                                                    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): 5.000
             Rise(in): 24.00                     Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: T Kean3 to G1       From Node: T Kean 3          Length(ft): 400.00
        Group: TINDALL               To Node: T G1                   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: 0.500
   Invert(ft): 2.000          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 1 for Drop Structure T Kean3 to G1 ***
                                                                                    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): 4.500
             Rise(in): 48.00                     Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------
         Name: T L1 to Kean        From Node: T L1              Length(ft): 200.00
        Group: TINDALL               To Node: T Kean 2               Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
```

```
     Span(in): 36.00          36.00                                Flow: Positive
     Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.500
   Invert(ft): 0.000          2.000                       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 T L1 to Kean ***
                                                                                  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): 12.00                       Invert(ft): 2.000
              Rise(in): 12.00                  Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------------
         Name: T Oakes1 to G2      From Node: T OAKES 1          Length(ft): 300.00
        Group: TINDALL               To Node: T G2                    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): 2.000          3.000                       Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use 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 T Oakes1 to G2 ***
                                                                                  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): 4.500
              Rise(in): 48.00                  Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------------
         Name: T Oakes1 to L2      From Node: T OAKES 1          Length(ft): 300.00
        Group: TINDALL               To Node: T L2                    Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 12.00          12.00                                Flow: Both
     Rise(in): 12.00          12.00                   Entrance Loss Coef: 0.000
   Invert(ft): 2.000          2.000                       Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use 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 T Oakes1 to L2 ***
```

```
                                                                                    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): 2.000
              Rise(in): 3.00                     Control Elev(ft): 2.000


-----------------------------------------------------------------------------------------------
         Name: T Oakes3 to DOT     From Node: T OAKES 3          Length(ft): 200.00
        Group: TINDALL               To Node: W7 FDOT MH               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): 2.000          2.000                         Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use 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 T Oakes3 to DOT ***
                                                                                    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): 6.250
              Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: T P1 to DOT         From Node: T P1               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: 0.000
   Invert(ft): 2.000          2.000                         Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use 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 T P1 to DOT ***
                                                                                    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): 6.250
              Rise(in): 24.00                    Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: T P1 to Kean2       From Node: T P1               Length(ft): 200.00
        Group: TINDALL               To Node: T Kean 2                 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: 0.500
   Invert(ft): 2.000          2.000                         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 T P1 to Kean2 ***
                                                                                    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): 60.00                          Invert(ft): 4.500
              Rise(in): 24.00                    Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------------
         Name: T P1 to Kean3       From Node: T P1                Length(ft): 200.00
        Group: TINDALL               To Node: T Kean 3                 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: 0.500
   Invert(ft): 2.000          2.000                         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 T P1 to Kean3 ***
                                                                                    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): 60.00                          Invert(ft): 4.500
              Rise(in): 24.00                    Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------------
         Name: T P2 to G2          From Node: T P2                Length(ft): 300.00
        Group: TINDALL               To Node: T G2                     Count: 3

              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: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          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 T P2 to G2 ***
```

```
                                                                                    TABLE
                 Count: 3                          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): 4.500
            Rise(in): 48.00                      Control Elev(ft): 4.500


-----------------------------------------------------------------------------------------------
         Name: T P3 to G4          From Node: T P3                Length(ft): 200.00
        Group: TINDALL               To Node: T G4                     Count: 2

              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         3.000                          Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use 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 T P3 to G4 ***
                                                                                    TABLE
                 Count: 2                          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): 4.000
            Rise(in): 24.00                      Control Elev(ft): 4.000


-----------------------------------------------------------------------------------------------
         Name: T P3 to G5          From Node: T P3                Length(ft): 200.00
        Group: TINDALL               To Node: T G5                     Count: 2

              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         3.000                          Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use 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 T P3 to G5 ***
                                                                                    TABLE
                 Count: 2                          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): 4.000
            Rise(in): 24.00                      Control Elev(ft): 4.000


-----------------------------------------------------------------------------------------------
         Name: T P3 to L2          From Node: T P3                Length(ft): 200.00
        Group: TINDALL               To Node: T L2                     Count: 2

              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: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          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 T P3 to L2 ***
                                                                                    TABLE
                 Count: 2                          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): 5.000
              Rise(in): 24.00                     Control Elev(ft): 4.000


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

         Name:                        From Node:
        Group: BASE                     To Node:
         Flow: Both                       Count: 1
         Type: Horizontal              Geometry: Circular

                   Span(in): 0.00
                   Rise(in): 0.00
                 Invert(ft): 0.000
       Control Elevation(ft): 0.000
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
         Name: G2 to L1/G1            From Node: G2
        Group: CBWCD                    To Node: L1/G1
         Flow: None                       Count: 1
         Type: Vertical: Gravel        Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 9999.00
                 Invert(ft): 5.000
       Control Elevation(ft): 3.250
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


------------------------------------------------------------------------------------------
         Name: G8 to L2               From Node: G8
        Group: CBWCD                    To Node: L2
         Flow: Both                       Count: 1
         Type: Vertical: Fread         Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 9999.00
                 Invert(ft): 3.500
       Control Elevation(ft): 3.500
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: L1/G1 -- N-1          From Node: L1/G1
       Group: CBWCD                   To Node: N-1 Canal
        Flow: Both                      Count: 1
        Type: Vertical: Gravel       Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 9999.00
                 Invert(ft): 5.000
      Control Elevation(ft): 2.000
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: Nend Burris G1        From Node: Nend Burris
       Group: Broward                 To Node: Nend G1
        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: T 84 Spur to G4       From Node: T 84 Spur
       Group: TINDALL                 To Node: T G4
        Flow: Both                      Count: 1
        Type: Vertical: Gravel       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: T G2 to G3            From Node: T G2
       Group: TINDALL                 To Node: T G3
        Flow: Both                      Count: 1
        Type: Vertical: Mavis        Geometry: Rectangular

                   Span(in): 120.00
                   Rise(in): 36.00
                 Invert(ft): 3.250
      Control Elevation(ft): 3.250
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: T Kean - Oakes        From Node: T Kean 3
       Group: TINDALL                 To Node: T OAKES 2
        Flow: Both                      Count: 1
        Type: Vertical: Gravel       Geometry: Trapezoidal
```

```
            Bottom Width(ft): 3.00
        Left Side Slope(h/v): 6.00
       Right Side Slope(h/v): 6.00
                  Invert(ft): 5.750
      Control Elevation(ft): 5.000
     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: T Kean 1-2          From Node: T Kean 1
        Group: TINDALL               To Node: T Kean 2
         Flow: Both                    Count: 1
         Type: Vertical: Gravel     Geometry: Trapezoidal

            Bottom Width(ft): 3.00
        Left Side Slope(h/v): 6.00
       Right Side Slope(h/v): 6.00
                  Invert(ft): 5.750
      Control Elevation(ft): 5.000
     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


=============================================================================================
==== Rating Curves ==========================================================================
=============================================================================================

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

               TABLE            ELEV ON(ft)      ELEV OFF(ft)
           #1:                  0.000            0.000
           #2:                  0.000            0.000
           #3:                  0.000            0.000
           #4:                  0.000            0.000


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

         Name: 10 YR-1Day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\10 YR-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: 100YR-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\100YR-3day.R32

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

Time(hrs)        Print Inc(min)
---------------- ---------------
80.000           5.00

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

```
         Name: 10yr-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\10yr-3day.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 25YR-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\25YR-3day.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 5 YR-1Day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\5 YR-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: 50YR-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\50YR-3day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 16.30

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

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

         Name: 10 YEAR 1 Day       Hydrology Sim: 10 YR-1Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\NORTH C-11\10-RY.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 year - 1 day          Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.000

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

```
-----------------------------------------------------------------------------------------------
         Name: 100 YEAR - 3 Da     Hydrology Sim: 100YR-3day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\NORTH C-11\100-YR.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): 175.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 100 year - 3 da          Boundary Flows:


Time(hrs)        Print Inc(min)
---------------- ---------------
175.000          15.000

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


-----------------------------------------------------------------------------------------------
         Name: 10yr3day            Hydrology Sim: 10yr-3day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\NORTH C-11\10yr3day.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): 80.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 10 year - 3 day          Boundary Flows:


Time(hrs)        Print Inc(min)
---------------- ---------------
80.000           15.000

Group            Run
---------------- -----
TINDALL          Yes


-----------------------------------------------------------------------------------------------
         Name: 25 YEAR - 3 Day     Hydrology Sim: 25YR-3day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\NORTH C-11\25 YEAR - 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: 25 year - 3 day          Boundary Flows:


Time(hrs)        Print Inc(min)
---------------- ---------------
96.000           15.000

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


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

```
         Name: 5 YEAR 1 Day        Hydrology Sim: 5 YR-1Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\NORTH C-11\5 YEAR 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): 30.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 5 year - 1 day           Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.000

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


-----------------------------------------------------------------------------------------------------------
         Name: 50 YEAR - 3 Da      Hydrology Sim: 50YR-3day
     Filename: \\ctafile\vol1\icpr3\11-0009 TOC\35-45-20\NORTH C-11\50 YEAR - 3 Da.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): 175.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 50 year - 3 day          Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
175.000         15.000

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


==========================================================================================
==== Boundary Conditions ================================================================
==========================================================================================

      Name: 5 year - 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 year - 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: 10 year - 3 day       Node: C11                   Type: Stage
```

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.500
75.000	4.000
96.000	3.250
120.000	2.500
200.000	2.000

Name: 25 year - 3 day Node: C11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.750
75.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 50 year - 3 day Node: C11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.900
75.000	4.750
96.000	3.750
120.000	2.900
200.000	2.000

Name: 100 year - 3 da Node: C11 Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	3.000
75.000	5.000
96.000	4.000
120.000	3.000
200.000	2.000

Name: 5 year - 1 day Node: THISCD Canal 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 year - 1 day Node: THISCD Canal 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: 10 year - 3 day Node: THISCD Canal Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.500
75.000	4.000
96.000	3.250
120.000	2.500
200.000	2.000

Name: 25 year - 3 day Node: THISCD Canal Type: Stage

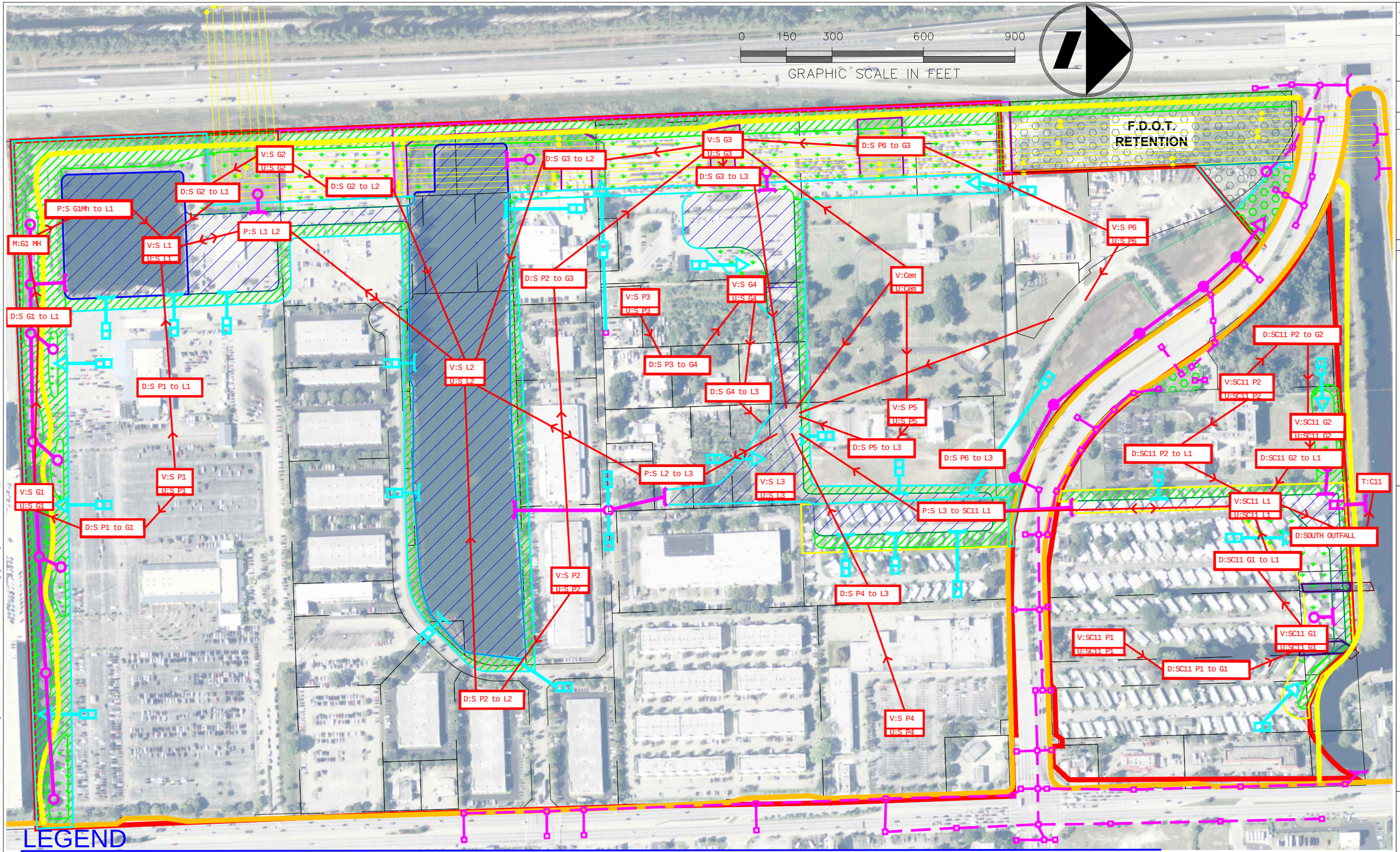
Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.750
75.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 50 year - 3 day Node: THISCD Canal Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	2.900
75.000	4.750
96.000	3.750
120.000	2.900
200.000	2.000

Name: 100 year - 3 da Node: THISCD Canal Type: Stage

Time(hrs)	Stage(ft)
0.000	2.000
24.000	3.000
75.000	5.000
96.000	4.000
120.000	3.000
200.000	2.000



LEGEND

- EXIST. POWER LINES
- EXIST. CONCRETE SIDEWALK
- PROPOSED ASPHALT PATH
- EXIST. DRAINAGE PIPE
- PROPOSED DRAINAGE PIPE
- PROPOSED GREEN AREAS
- PROPOSED DEVELOPMENT AREA
- PROPOSED LAKE
- PROPOSED DRY RETENTION
- PROPOSED FDOT POND (BOTTOM OF POND EL.=3.0' N.G.V.D.)
- EXIST. FDOT POND
- PROPOSED HEADWALL
- MANHOLE
- INLET
- PROPOSED CONTROL STRUCTURE
- PROPOSED BUBBLE UP INLET
- PROPOSED OVERFLOW INLET
- CONTROL STRUCTURE, BUBBLE UP, AND HEADWALL BY OTHERS

DATE:	11/29/12
SCALE:	NTS
DESIGN BY:	C.L.
DRAWN BY:	E.H.M.
CHECKED BY:	C.L.
APPROVED BY:	

BY:	DATE:	DESCRIPTION:

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

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FINAL ICPR NODAL PLAN
SOUTH OF C-11 CANAL

PREPARED FOR:
TOWN OF DAVIE

EXHIBIT I

PROJECT NO.
11-0009

EXH

SHEET 1 OF 1

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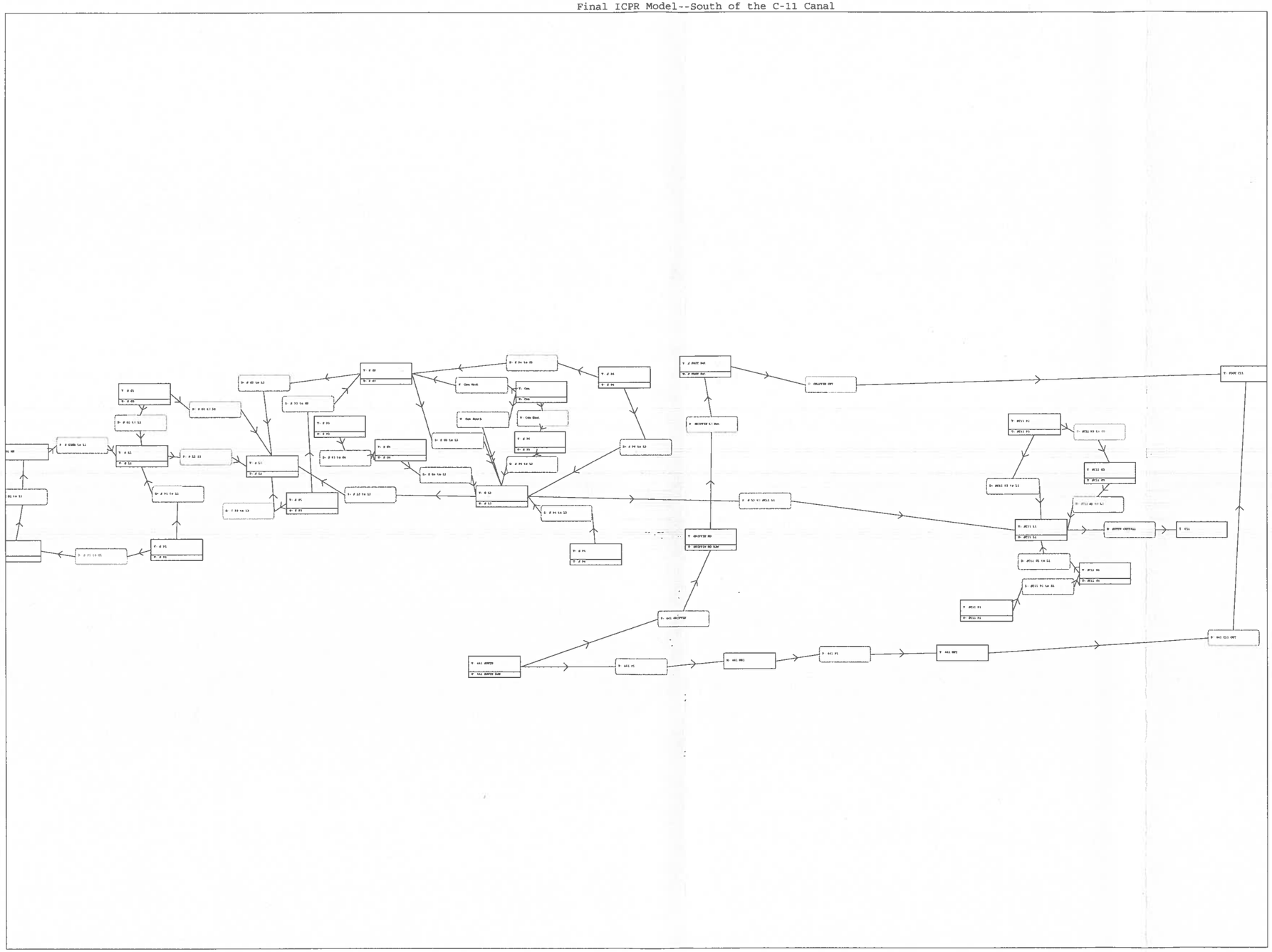
Town of Davie TOC Stormwater Master Plan
Final ICPR Model--South of the C-11 Canal

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



Final ICPR Results
South of the C-11 Canal

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	FDOT	10 Year-1 Day	34.09	3.85	0.00	0.0014	176	20.36	1.81	24.29	1.71
441 MH2	FDOT	10 Year-1 Day	34.09	3.85	0.00	0.0012	158	24.29	1.71	0.00	0.00
441 SOUTH	FDOT	10 Year-1 Day	34.09	3.85	0.00	0.0006	3841	0.00	0.00	19.69	3.03
C11	BASE	10 Year-1 Day	24.00	4.10	0.00	0.0014	0	13.62	10.08	0.00	0.00
Cem	BASE	10 Year-1 Day	12.75	6.36	0.00	-3.0000	89041	12.08	27.52	12.75	13.75
FDOT C11	FDOT	10 Year-1 Day	24.00	4.10	0.00	0.0014	0	36.77	0.96	0.00	0.00
G1 MH	BASE	10 Year-1 Day	24.42	5.16	0.00	0.0230	117	11.93	14.86	9.29	19.36
GRIFFIN RD	FDOT	10 Year-1 Day	34.08	3.85	0.00	0.0001	91159	19.69	1.26	36.81	0.36
S FDOT Ret	FDOT	10 Year-1 Day	34.09	3.85	0.00	0.0001	162824	36.81	0.36	36.77	0.96
S G1	BASE	10 Year-1 Day	13.16	5.68	0.00	0.0050	237678	12.08	50.54	11.93	14.86
S G2	BASE	10 Year-1 Day	24.60	5.15	0.00	0.0013	171326	12.00	23.04	12.10	11.02
S G3	BASE	10 Year-1 Day	24.46	5.15	0.00	0.0015	356720	12.08	101.50	12.13	41.51
S G4	BASE	10 Year-1 Day	24.30	5.15	0.00	0.0033	20038	12.16	29.24	12.40	18.61
S L1	BASE	10 Year-1 Day	24.50	5.15	0.00	0.0026	292000	12.08	98.20	15.26	6.55
S L2	BASE	10 Year-1 Day	24.50	5.15	0.00	0.0027	583087	12.08	206.89	0.00	0.00
S L3	BASE	10 Year-1 Day	24.41	5.15	0.00	0.0030	313248	12.08	141.12	13.63	13.66
S P1	BASE	10 Year-1 Day	12.31	6.05	0.00	0.0029	189542	12.08	116.36	12.26	77.30
S P2	BASE	10 Year-1 Day	12.28	6.07	0.00	0.0023	345540	12.08	201.48	12.27	139.85
S P3	BASE	10 Year-1 Day	12.30	6.08	0.00	0.0023	69849	12.08	39.73	12.17	27.49
S P4	BASE	10 Year-1 Day	12.19	5.90	0.00	0.0021	61843	12.08	48.63	12.19	40.84
S P5	BASE	10 Year-1 Day	12.21	5.73	0.00	0.0018	15380	12.08	16.82	12.21	15.81
S P6	BASE	10 Year-1 Day	12.13	5.67	0.00	0.0018	36930	12.08	43.46	12.12	40.59
SC11 G1	BASE	10 Year-1 Day	24.27	5.14	0.00	0.0029	78884	12.08	64.06	12.19	26.69
SC11 G2	BASE	10 Year-1 Day	24.28	5.13	0.00	0.0026	22768	12.08	30.85	12.09	22.77
SC11 L1	BASE	10 Year-1 Day	24.32	5.13	0.00	0.0035	85580	12.08	43.04	13.62	10.08
SC11 P1	BASE	10 Year-1 Day	12.19	5.75	0.00	0.0018	65572	12.08	65.81	12.09	56.44
SC11 P2	BASE	10 Year-1 Day	12.16	5.73	0.00	0.0017	34753	12.08	36.41	12.11	32.45
C11	BASE	100 Year-3 Day	75.00	5.00	0.00	0.0007	0	96.00	13.20	0.00	0.00
Cem	BASE	100 Year-3 Day	72.32	6.88	0.00	-3.0000	127013	60.08	56.86	60.20	36.86
G1 MH	BASE	100 Year-3 Day	72.45	6.89	0.00	-0.0504	117	56.64	7.50	20.95	37.36
S G1	BASE	100 Year-3 Day	72.41	6.89	0.00	0.0010	367646	60.08	73.17	56.64	7.50
S G2	BASE	100 Year-3 Day	72.51	6.89	0.00	0.0010	223247	60.00	37.74	96.00	0.59
S G3	BASE	100 Year-3 Day	72.41	6.88	0.00	0.0011	449104	60.08	105.49	37.87	3.42
S G4	BASE	100 Year-3 Day	72.32	6.88	0.00	0.0018	20038	60.04	20.06	60.29	11.57
S L1	BASE	100 Year-3 Day	72.45	6.89	0.00	0.0012	314121	60.01	98.53	96.00	2.98
S L2	BASE	100 Year-3 Day	72.41	6.89	0.00	0.0013	625622	60.00	206.14	0.00	0.00
S L3	BASE	100 Year-3 Day	72.35	6.88	0.00	0.0015	348124	60.01	141.84	61.07	15.26
S P1	BASE	100 Year-3 Day	72.35	6.89	0.00	0.0020	552416	60.08	181.49	60.19	71.30
S P2	BASE	100 Year-3 Day	72.30	6.89	0.00	0.0021	953979	60.08	314.25	60.21	127.54
S P3	BASE	100 Year-3 Day	72.28	6.88	0.00	0.0021	187301	60.08	61.97	60.04	17.09
S P4	BASE	100 Year-3 Day	72.29	6.88	0.00	0.0020	228469	60.08	75.84	60.12	39.57
S P5	BASE	100 Year-3 Day	72.32	6.88	0.00	0.0022	76863	60.08	41.80	60.21	18.40
S P6	BASE	100 Year-3 Day	72.34	6.88	0.00	0.0022	204960	60.08	67.79	60.10	32.58
SC11 G1	BASE	100 Year-3 Day	72.31	6.84	0.00	0.0016	76666	60.03	46.69	60.47	14.41
SC11 G2	BASE	100 Year-3 Day	72.32	6.84	0.00	0.0015	27460	60.01	20.92	60.07	11.00
SC11 L1	BASE	100 Year-3 Day	72.33	6.84	0.00	0.0015	111180	60.08	46.20	96.00	13.20
SC11 P1	BASE	100 Year-3 Day	72.27	6.84	0.00	0.0023	300044	60.08	102.64	60.03	35.32
SC11 P2	BASE	100 Year-3 Day	72.29	6.84	0.00	0.0021	165654	60.08	56.79	60.13	27.11
C11	BASE	25 Year-3 Day	75.00	4.50	0.00	0.0005	0	96.00	13.16	0.00	0.00
Cem	BASE	25 Year-3 Day	60.37	6.63	0.00	-3.0000	105366	60.08	45.00	60.37	31.96
G1 MH	BASE	25 Year-3 Day	72.41	6.43	0.00	-0.0463	117	58.55	8.52	25.79	35.76
S G1	BASE	25 Year-3 Day	72.39	6.43	0.00	0.0013	361722	60.08	62.62	58.55	8.52
S G2	BASE	25 Year-3 Day	72.49	6.43	0.00	0.0011	217319	60.00	30.74	96.00	0.73

Final ICPR Results
South of the C-11 Canal

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
S G3	BASE	25 Year-3 Day	72.39	6.43	0.00	0.0015	446878	60.08	100.07	44.20	2.83
S G4	BASE	25 Year-3 Day	72.29	6.42	0.00	0.0025	20038	60.07	22.90	60.34	13.58
S L1	BASE	25 Year-3 Day	72.43	6.43	0.00	0.0016	313693	60.00	93.98	96.00	3.12
S L2	BASE	25 Year-3 Day	72.39	6.43	0.00	0.0016	624745	60.04	195.50	0.00	0.00
S L3	BASE	25 Year-3 Day	72.33	6.42	0.00	0.0019	347370	60.08	136.98	60.70	11.66
S P1	BASE	25 Year-3 Day	72.29	6.43	0.00	0.0029	344656	60.08	148.62	60.20	75.62
S P2	BASE	25 Year-3 Day	72.23	6.43	0.00	0.0028	594989	60.08	257.34	60.22	137.44
S P3	BASE	25 Year-3 Day	60.98	6.54	0.00	0.0028	132362	60.08	50.75	60.07	20.46
S P4	BASE	25 Year-3 Day	72.24	6.42	0.00	0.0026	142258	60.08	62.11	60.15	42.92
S P5	BASE	25 Year-3 Day	60.71	6.57	0.00	0.0025	56231	60.08	33.44	60.21	20.31
S P6	BASE	25 Year-3 Day	72.31	6.43	0.00	0.0026	127518	60.08	55.51	60.11	37.21
SC11 G1	BASE	25 Year-3 Day	72.29	6.39	0.00	0.0023	76666	60.03	51.97	60.50	16.56
SC11 G2	BASE	25 Year-3 Day	72.30	6.39	0.00	0.0024	26290	60.01	23.87	60.11	13.89
SC11 L1	BASE	25 Year-3 Day	72.32	6.39	0.00	0.0020	104760	60.08	45.15	96.00	13.16
SC11 P1	BASE	25 Year-3 Day	72.24	6.40	0.00	0.0029	186414	60.08	84.05	60.03	42.61
SC11 P2	BASE	25 Year-3 Day	72.25	6.39	0.00	0.0027	102846	60.08	46.50	60.12	29.31
C11	BASE	5 Year-1 Day	24.00	3.60	0.00	0.0007	0	13.45	10.11	0.00	0.00
Cem	BASE	5 Year-1 Day	13.05	6.24	0.00	-3.0000	84941	12.08	20.00	13.05	7.71
G1 MH	BASE	5 Year-1 Day	24.11	4.60	0.00	-0.0420	117	11.99	15.34	10.17	19.36
S G1	BASE	5 Year-1 Day	13.07	5.53	0.00	0.0050	196414	12.08	43.28	11.99	15.34
S G2	BASE	5 Year-1 Day	24.62	4.59	0.00	0.0014	161780	12.00	18.16	12.29	8.99
S G3	BASE	5 Year-1 Day	24.51	4.59	0.00	0.0015	330368	12.08	87.28	12.25	43.07
S G4	BASE	5 Year-1 Day	24.36	4.59	0.00	0.0023	20038	12.22	24.94	12.27	18.36
S L1	BASE	5 Year-1 Day	24.51	4.59	0.00	0.0024	277345	12.08	81.02	15.17	5.91
S L2	BASE	5 Year-1 Day	24.53	4.59	0.00	0.0025	555250	12.10	171.06	0.00	0.00
S L3	BASE	5 Year-1 Day	24.45	4.59	0.00	0.0029	290276	12.08	121.71	13.28	16.11
S P1	BASE	5 Year-1 Day	12.28	5.89	0.00	0.0025	145796	12.08	93.42	12.23	65.18
S P2	BASE	5 Year-1 Day	12.25	5.93	0.00	0.0019	268567	12.08	161.75	12.25	118.53
S P3	BASE	5 Year-1 Day	12.25	5.95	0.00	0.0019	54664	12.08	31.90	12.25	23.70
S P4	BASE	5 Year-1 Day	12.18	5.79	0.00	0.0017	51802	12.08	39.04	12.18	33.45
S P5	BASE	5 Year-1 Day	12.12	5.62	0.00	0.0014	12152	12.08	13.13	12.12	12.38
S P6	BASE	5 Year-1 Day	12.11	5.58	0.00	0.0013	29660	12.08	34.89	12.11	33.31
SC11 G1	BASE	5 Year-1 Day	24.32	4.58	0.00	0.0026	79715	12.11	55.44	12.30	26.77
SC11 G2	BASE	5 Year-1 Day	24.31	4.57	0.00	0.0017	21538	12.11	26.58	12.16	22.35
SC11 L1	BASE	5 Year-1 Day	24.37	4.57	0.00	0.0033	77088	12.08	40.78	13.45	10.11
SC11 P1	BASE	5 Year-1 Day	12.12	5.63	0.00	0.0014	50728	12.08	52.83	12.12	49.52
SC11 P2	BASE	5 Year-1 Day	12.12	5.63	0.00	0.0013	27807	12.08	29.23	12.12	27.60
C11	BASE	50 Year-3 Day	75.00	4.75	0.00	0.0006	0	96.00	13.50	0.00	0.00
Cem	BASE	50 Year-3 Day	72.32	6.77	0.00	-3.0000	118041	60.08	54.11	60.25	36.60
G1 MH	BASE	50 Year-3 Day	72.45	6.79	0.00	-0.0508	117	57.00	7.77	21.77	37.46
S G1	BASE	50 Year-3 Day	72.42	6.79	0.00	0.0010	367646	60.08	70.73	57.00	7.77
S G2	BASE	50 Year-3 Day	72.51	6.78	0.00	0.0010	222254	60.00	36.10	96.00	0.64
S G3	BASE	50 Year-3 Day	72.41	6.78	0.00	0.0012	449104	60.08	104.43	39.14	3.29
S G4	BASE	50 Year-3 Day	72.32	6.78	0.00	0.0018	20038	60.03	20.86	60.30	12.11
S L1	BASE	50 Year-3 Day	72.45	6.78	0.00	0.0012	314121	60.01	98.20	96.00	3.07
S L2	BASE	50 Year-3 Day	72.41	6.78	0.00	0.0013	625622	60.00	204.80	0.00	0.00
S L3	BASE	50 Year-3 Day	72.35	6.77	0.00	0.0015	348124	60.03	141.89	61.07	14.43
S P1	BASE	50 Year-3 Day	72.34	6.79	0.00	0.0020	504433	60.08	173.83	60.20	72.91
S P2	BASE	50 Year-3 Day	72.29	6.79	0.00	0.0020	871057	60.08	300.99	60.21	131.31
S P3	BASE	50 Year-3 Day	61.25	6.78	0.00	0.0021	171672	60.08	59.35	60.03	18.01
S P4	BASE	50 Year-3 Day	72.29	6.78	0.00	0.0019	208550	60.08	72.64	60.12	41.04
S P5	BASE	50 Year-3 Day	72.32	6.78	0.00	0.0022	70045	60.08	39.86	60.23	18.98
S P6	BASE	50 Year-3 Day	72.34	6.78	0.00	0.0022	187050	60.08	64.93	60.10	34.02

Final ICPR Results
South of the C-11 Canal

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
SC11 G1	BASE	50 Year-3 Day	72.31	6.74	0.00	0.0017	76666	60.02	48.13	60.48	15.01
SC11 G2	BASE	50 Year-3 Day	72.32	6.74	0.00	0.0016	27198	60.00	21.75	60.07	11.79
SC11 L1	BASE	50 Year-3 Day	72.33	6.74	0.00	0.0015	109870	60.08	46.26	96.00	13.50
SC11 P1	BASE	50 Year-3 Day	72.26	6.74	0.00	0.0022	273797	60.08	98.31	60.02	37.23
SC11 P2	BASE	50 Year-3 Day	72.28	6.74	0.00	0.0021	151153	60.08	54.39	60.12	27.87

Final ICPR Results
South of the C-11 Canal

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
441 C11 OUT	FDOT	10 Year-1 Day	0.00	0.00	0.000	34.09	3.85	24.00	4.10
441 GRIFFIN	FDOT	10 Year-1 Day	19.69	1.26	-1.808	34.09	3.85	34.08	3.85
441 P1	FDOT	10 Year-1 Day	20.36	1.81	2.548	34.09	3.85	34.09	3.85
441 P2	FDOT	10 Year-1 Day	24.29	1.71	-1.874	34.09	3.85	34.09	3.85
Cem East	BASE	10 Year-1 Day	12.75	6.87	0.031	12.75	6.36	12.21	5.73
Cem South	BASE	10 Year-1 Day	12.75	6.87	0.031	12.75	6.36	24.41	5.15
Cem West	BASE	10 Year-1 Day	0.00	0.00	0.000	12.75	6.36	24.46	5.15
GRIFFIN OUT	FDOT	10 Year-1 Day	36.77	0.96	0.002	34.09	3.85	24.00	4.10
GRIFFIN to Ret	FDOT	10 Year-1 Day	36.81	0.36	-0.339	34.08	3.85	34.09	3.85
S G1 to L1	BASE	10 Year-1 Day	11.93	14.86	0.243	13.16	5.68	24.42	5.16
S G1Mh to L1	BASE	10 Year-1 Day	9.29	19.36	-25.025	24.42	5.16	24.50	5.15
S G2 to L1	BASE	10 Year-1 Day	12.10	5.52	-0.146	24.60	5.15	24.50	5.15
S G2 to L2	BASE	10 Year-1 Day	12.10	5.50	-0.136	24.60	5.15	24.50	5.15
S G3 to L2	BASE	10 Year-1 Day	12.20	22.57	0.076	24.46	5.15	24.50	5.15
S G3 to L3	BASE	10 Year-1 Day	12.08	19.37	-0.268	24.46	5.15	24.41	5.15
S G4 to L3	BASE	10 Year-1 Day	12.40	18.61	0.075	24.30	5.15	24.41	5.15
S L1 L2	BASE	10 Year-1 Day	15.26	6.55	0.266	24.50	5.15	24.50	5.15
S L2 to L3	BASE	10 Year-1 Day	12.64	28.03	0.171	24.41	5.15	24.50	5.15
S L3 to SC11 L1	BASE	10 Year-1 Day	45.00	8.29	0.214	24.41	5.15	24.32	5.13
S P1 to G1	BASE	10 Year-1 Day	12.10	26.88	-0.184	12.31	6.05	13.16	5.68
S P1 to L1	BASE	10 Year-1 Day	12.31	51.56	0.162	12.31	6.05	24.50	5.15
S P2 to G3	BASE	10 Year-1 Day	12.17	33.41	0.140	12.28	6.07	24.46	5.15
S P2 to L2	BASE	10 Year-1 Day	12.28	106.76	0.272	12.28	6.07	24.50	5.15
S P3 to G4	BASE	10 Year-1 Day	12.17	27.49	0.075	12.30	6.08	24.30	5.15
S P4 to L3	BASE	10 Year-1 Day	12.19	40.84	0.119	12.19	5.90	24.41	5.15
S P5 to L3	BASE	10 Year-1 Day	12.21	15.81	0.050	12.21	5.73	24.41	5.15
S P6 to G3	BASE	10 Year-1 Day	12.11	26.55	0.092	12.13	5.67	24.46	5.15
S P6 to L3	BASE	10 Year-1 Day	12.13	14.07	0.047	12.13	5.67	24.41	5.15
SC11 G1 to L1	BASE	10 Year-1 Day	12.19	26.69	0.126	24.27	5.14	24.32	5.13
SC11 G2 to L1	BASE	10 Year-1 Day	12.09	22.77	0.104	24.28	5.13	24.32	5.13
SC11 P1 to G1	BASE	10 Year-1 Day	12.09	56.44	0.198	12.19	5.75	24.27	5.14
SC11 P2 to G2	BASE	10 Year-1 Day	12.10	28.30	0.093	12.16	5.73	24.28	5.13
SC11 P2 to L1	BASE	10 Year-1 Day	12.16	4.25	0.018	12.16	5.73	24.32	5.13
SOUTH OUTFALL	BASE	10 Year-1 Day	13.62	10.08	0.806	24.32	5.13	24.00	4.10
Cem East	BASE	100 Year-3 Day	60.17	17.84	-0.068	72.32	6.88	72.32	6.88
Cem South	BASE	100 Year-3 Day	60.69	23.36	0.036	72.32	6.88	72.35	6.88
Cem West	BASE	100 Year-3 Day	0.00	0.00	0.000	72.32	6.88	72.41	6.88
S G1 to L1	BASE	100 Year-3 Day	56.64	7.50	-0.693	72.41	6.89	72.45	6.89
S G1Mh to L1	BASE	100 Year-3 Day	20.95	37.36	-46.380	72.45	6.89	72.45	6.89
S G2 to L1	BASE	100 Year-3 Day	37.96	0.24	-0.004	72.51	6.89	72.45	6.89
S G2 to L2	BASE	100 Year-3 Day	96.00	0.67	-0.005	72.51	6.89	72.41	6.89
S G3 to L2	BASE	100 Year-3 Day	62.65	3.01	-0.026	72.41	6.88	72.41	6.89
S G3 to L3	BASE	100 Year-3 Day	96.00	2.63	-0.018	72.41	6.88	72.35	6.88
S G4 to L3	BASE	100 Year-3 Day	60.29	11.57	0.013	72.32	6.88	72.35	6.88
S L1 L2	BASE	100 Year-3 Day	96.00	2.98	0.244	72.45	6.89	72.41	6.89
S L2 to L3	BASE	100 Year-3 Day	60.72	20.17	-0.155	72.35	6.88	72.41	6.89
S L3 to SC11 L1	BASE	100 Year-3 Day	96.00	11.53	0.179	72.35	6.88	72.33	6.84
S P1 to G1	BASE	100 Year-3 Day	60.22	25.09	0.046	72.35	6.89	72.41	6.89
S P1 to L1	BASE	100 Year-3 Day	60.19	46.22	0.083	72.35	6.89	72.45	6.89
S P2 to G3	BASE	100 Year-3 Day	60.11	20.79	0.028	72.30	6.89	72.41	6.88
S P2 to L2	BASE	100 Year-3 Day	60.22	106.97	0.193	72.30	6.89	72.41	6.89
S P3 to G4	BASE	100 Year-3 Day	60.04	17.09	0.031	72.28	6.88	72.32	6.88
S P4 to L3	BASE	100 Year-3 Day	60.12	39.57	0.081	72.29	6.88	72.35	6.88

Final ICPR Results
South of the C-11 Canal

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
S P5 to L3	BASE	100 Year-3 Day	60.21	18.40	0.031	72.32	6.88	72.35	6.88
S P6 to G3	BASE	100 Year-3 Day	60.12	18.97	0.047	72.34	6.88	72.41	6.88
S P6 to L3	BASE	100 Year-3 Day	60.09	13.62	0.037	72.34	6.88	72.35	6.88
SC11 G1 to L1	BASE	100 Year-3 Day	60.47	14.41	0.014	72.31	6.84	72.33	6.84
SC11 G2 to L1	BASE	100 Year-3 Day	60.07	11.00	0.016	72.32	6.84	72.33	6.84
SC11 P1 to G1	BASE	100 Year-3 Day	60.03	35.32	0.081	72.27	6.84	72.31	6.84
SC11 P2 to G2	BASE	100 Year-3 Day	60.01	16.80	0.036	72.29	6.84	72.32	6.84
SC11 P2 to L1	BASE	100 Year-3 Day	60.21	10.94	0.025	72.29	6.84	72.33	6.84
SOUTH OUTFALL	BASE	100 Year-3 Day	96.00	13.20	0.038	72.33	6.84	75.00	5.00
Cem East	BASE	25 Year-3 Day	60.37	15.98	-0.041	60.37	6.63	60.71	6.57
Cem South	BASE	25 Year-3 Day	60.37	15.98	0.036	60.37	6.63	72.33	6.42
Cem West	BASE	25 Year-3 Day	0.00	0.00	0.000	60.37	6.63	72.39	6.43
S G1 to L1	BASE	25 Year-3 Day	58.55	8.52	-0.832	72.39	6.43	72.41	6.43
S G1Mh to L1	BASE	25 Year-3 Day	25.79	35.76	-44.426	72.41	6.43	72.43	6.43
S G2 to L1	BASE	25 Year-3 Day	44.27	0.20	-0.007	72.49	6.43	72.43	6.43
S G2 to L2	BASE	25 Year-3 Day	96.00	0.72	-0.007	72.49	6.43	72.39	6.43
S G3 to L2	BASE	25 Year-3 Day	59.54	2.29	-0.032	72.39	6.43	72.39	6.43
S G3 to L3	BASE	25 Year-3 Day	96.00	2.72	-0.029	72.39	6.43	72.33	6.42
S G4 to L3	BASE	25 Year-3 Day	60.34	13.58	0.028	72.29	6.42	72.33	6.42
S L1 L2	BASE	25 Year-3 Day	96.00	3.12	0.244	72.43	6.43	72.39	6.43
S L2 to L3	BASE	25 Year-3 Day	60.66	21.02	-0.155	72.33	6.42	72.39	6.43
S L3 to SC11 L1	BASE	25 Year-3 Day	96.00	11.68	-0.218	72.33	6.42	72.32	6.39
S P1 to G1	BASE	25 Year-3 Day	60.16	24.44	0.059	72.29	6.43	72.39	6.43
S P1 to L1	BASE	25 Year-3 Day	60.21	51.24	0.176	72.29	6.43	72.43	6.43
S P2 to G3	BASE	25 Year-3 Day	60.04	24.69	0.054	72.23	6.43	72.39	6.43
S P2 to L2	BASE	25 Year-3 Day	60.24	113.40	0.346	72.23	6.43	72.39	6.43
S P3 to G4	BASE	25 Year-3 Day	60.07	20.46	0.059	60.98	6.54	72.29	6.42
S P4 to L3	BASE	25 Year-3 Day	60.15	42.92	0.147	72.24	6.42	72.33	6.42
S P5 to L3	BASE	25 Year-3 Day	60.21	20.31	0.056	60.71	6.57	72.33	6.42
S P6 to G3	BASE	25 Year-3 Day	60.11	21.62	0.089	72.31	6.43	72.39	6.43
S P6 to L3	BASE	25 Year-3 Day	60.11	15.59	0.071	72.31	6.43	72.33	6.42
SC11 G1 to L1	BASE	25 Year-3 Day	60.50	16.56	0.038	72.29	6.39	72.32	6.39
SC11 G2 to L1	BASE	25 Year-3 Day	60.11	13.89	0.042	72.30	6.39	72.32	6.39
SC11 P1 to G1	BASE	25 Year-3 Day	60.03	42.61	0.192	72.24	6.40	72.29	6.39
SC11 P2 to G2	BASE	25 Year-3 Day	60.01	20.51	0.092	72.25	6.39	72.30	6.39
SC11 P2 to L1	BASE	25 Year-3 Day	60.24	9.75	0.030	72.25	6.39	72.32	6.39
SOUTH OUTFALL	BASE	25 Year-3 Day	96.00	13.16	0.026	72.32	6.39	75.00	4.50
Cem East	BASE	5 Year-1 Day	13.05	3.85	0.018	13.05	6.24	12.12	5.62
Cem South	BASE	5 Year-1 Day	13.05	3.85	0.018	13.05	6.24	24.45	4.59
Cem West	BASE	5 Year-1 Day	0.00	0.00	0.000	13.05	6.24	24.51	4.59
S G1 to L1	BASE	5 Year-1 Day	11.99	15.34	0.167	13.07	5.53	24.11	4.60
S G1Mh to L1	BASE	5 Year-1 Day	10.17	19.36	-25.075	24.11	4.60	24.51	4.59
S G2 to L1	BASE	5 Year-1 Day	12.29	4.50	-0.118	24.62	4.59	24.51	4.59
S G2 to L2	BASE	5 Year-1 Day	12.29	4.50	-0.136	24.62	4.59	24.53	4.59
S G3 to L2	BASE	5 Year-1 Day	12.32	22.86	0.071	24.51	4.59	24.53	4.59
S G3 to L3	BASE	5 Year-1 Day	12.21	20.48	-0.071	24.51	4.59	24.45	4.59
S G4 to L3	BASE	5 Year-1 Day	12.27	18.36	0.068	24.36	4.59	24.45	4.59
S L1 L2	BASE	5 Year-1 Day	15.17	5.91	-0.217	24.51	4.59	24.53	4.59
S L2 to L3	BASE	5 Year-1 Day	12.82	25.80	-0.185	24.45	4.59	24.53	4.59
S L3 to SC11 L1	BASE	5 Year-1 Day	45.00	7.78	0.223	24.45	4.59	24.37	4.57
S P1 to G1	BASE	5 Year-1 Day	11.72	26.35	0.105	12.28	5.89	13.07	5.53
S P1 to L1	BASE	5 Year-1 Day	12.28	40.20	0.132	12.28	5.89	24.51	4.59
S P2 to G3	BASE	5 Year-1 Day	12.19	32.39	0.113	12.25	5.93	24.51	4.59

Final ICPR Results
South of the C-11 Canal

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
S P2 to L2	BASE	5 Year-1 Day	12.25	86.24	0.219	12.25	5.93	24.53	4.59
S P3 to G4	BASE	5 Year-1 Day	12.25	23.70	0.061	12.25	5.95	24.36	4.59
S P4 to L3	BASE	5 Year-1 Day	12.18	33.45	0.093	12.18	5.79	24.45	4.59
S P5 to L3	BASE	5 Year-1 Day	12.12	12.38	0.037	12.12	5.62	24.45	4.59
S P6 to G3	BASE	5 Year-1 Day	12.11	21.97	0.065	12.11	5.58	24.51	4.59
S P6 to L3	BASE	5 Year-1 Day	12.11	11.34	0.034	12.11	5.58	24.45	4.59
SC11 G1 to L1	BASE	5 Year-1 Day	12.30	26.77	0.137	24.32	4.58	24.37	4.57
SC11 G2 to L1	BASE	5 Year-1 Day	12.16	22.35	0.086	24.31	4.57	24.37	4.57
SC11 P1 to G1	BASE	5 Year-1 Day	12.12	49.52	0.148	12.12	5.63	24.32	4.58
SC11 P2 to G2	BASE	5 Year-1 Day	12.12	24.63	0.069	12.12	5.63	24.31	4.57
SC11 P2 to L1	BASE	5 Year-1 Day	12.12	2.96	0.013	12.12	5.63	24.37	4.57
SOUTH OUTFALL	BASE	5 Year-1 Day	13.45	10.11	0.039	24.37	4.57	24.00	3.60
Cem East	BASE	50 Year-3 Day	60.23	17.89	-0.077	72.32	6.77	72.32	6.78
Cem South	BASE	50 Year-3 Day	60.67	21.25	0.035	72.32	6.77	72.35	6.77
Cem West	BASE	50 Year-3 Day	0.00	0.00	0.000	72.32	6.77	72.41	6.78
S G1 to L1	BASE	50 Year-3 Day	57.00	7.77	-0.713	72.42	6.79	72.45	6.79
S G1Mh to L1	BASE	50 Year-3 Day	21.77	37.46	-46.519	72.45	6.79	72.45	6.78
S G2 to L1	BASE	50 Year-3 Day	39.22	0.23	-0.005	72.51	6.78	72.45	6.78
S G2 to L2	BASE	50 Year-3 Day	96.00	0.69	-0.005	72.51	6.78	72.41	6.78
S G3 to L2	BASE	50 Year-3 Day	62.67	2.88	-0.021	72.41	6.78	72.41	6.78
S G3 to L3	BASE	50 Year-3 Day	96.00	2.71	-0.019	72.41	6.78	72.35	6.77
S G4 to L3	BASE	50 Year-3 Day	60.30	12.11	0.014	72.32	6.78	72.35	6.77
S L1 L2	BASE	50 Year-3 Day	96.00	3.07	0.237	72.45	6.78	72.41	6.78
S L2 to L3	BASE	50 Year-3 Day	60.70	20.37	-0.155	72.35	6.77	72.41	6.78
S L3 to SC11 L1	BASE	50 Year-3 Day	96.00	11.80	-0.210	72.35	6.77	72.33	6.74
S P1 to G1	BASE	50 Year-3 Day	60.20	24.94	0.046	72.34	6.79	72.42	6.79
S P1 to L1	BASE	50 Year-3 Day	60.20	47.96	0.086	72.34	6.79	72.45	6.78
S P2 to G3	BASE	50 Year-3 Day	60.10	21.76	0.029	72.29	6.79	72.41	6.78
S P2 to L2	BASE	50 Year-3 Day	60.22	109.85	0.195	72.29	6.79	72.41	6.78
S P3 to G4	BASE	50 Year-3 Day	60.03	18.01	0.034	61.25	6.78	72.32	6.78
S P4 to L3	BASE	50 Year-3 Day	60.12	41.04	0.085	72.29	6.78	72.35	6.77
S P5 to L3	BASE	50 Year-3 Day	60.23	18.98	0.034	72.32	6.78	72.35	6.77
S P6 to G3	BASE	50 Year-3 Day	60.10	19.74	0.051	72.34	6.78	72.41	6.78
S P6 to L3	BASE	50 Year-3 Day	60.09	14.29	0.039	72.34	6.78	72.35	6.77
SC11 G1 to L1	BASE	50 Year-3 Day	60.48	15.01	0.017	72.31	6.74	72.33	6.74
SC11 G2 to L1	BASE	50 Year-3 Day	60.07	11.79	0.020	72.32	6.74	72.33	6.74
SC11 P1 to G1	BASE	50 Year-3 Day	60.02	37.23	0.100	72.26	6.74	72.31	6.74
SC11 P2 to G2	BASE	50 Year-3 Day	60.00	17.81	0.045	72.28	6.74	72.32	6.74
SC11 P2 to L1	BASE	50 Year-3 Day	60.23	10.86	0.027	72.28	6.74	72.33	6.74
SOUTH OUTFALL	BASE	50 Year-3 Day	96.00	13.50	0.021	72.33	6.74	75.00	4.75

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==== Basins ==============================================================================
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        Name: 441 SOUTH BSN            Node: 441 SOUTH              Status: Onsite
       Group: FDOT                     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: Cem                      Node: Cem                    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): 20.00
             Area(ac): 10.990                 Time Shift(hrs): 0.00
          Curve Number: 68.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


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        Name: GRIFFIN RD BSN           Node: GRIFFIN RD             Status: Onsite
       Group: FDOT                     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): 59.00
             Area(ac): 13.300                 Time Shift(hrs): 0.00
          Curve Number: 90.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


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        Name: S FDOT Ret               Node: S FDOT Ret             Status: Onsite
       Group: FDOT                     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): 5.950                  Time Shift(hrs): 0.00
          Curve Number: 87.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: S G1                     Node: S G1                   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): 15.00
             Area(ac): 8.440                  Time Shift(hrs): 0.00
          Curve Number: 67.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


------------------------------------------------------------------------------------------
        Name: S G2                     Node: S G2                   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): 5.150                  Time Shift(hrs): 0.00
          Curve Number: 83.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
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        Name: S G3                    Node: S G3                    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): 15.00
             Area(ac): 10.310                Time Shift(hrs): 0.00
         Curve Number: 87.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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        Name: S G4                    Node: S G4                    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): 15.00
             Area(ac): 0.460                 Time Shift(hrs): 0.00
         Curve Number: 95.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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        Name: S L1                    Node: S L1                    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): 7.210                 Time Shift(hrs): 0.00
         Curve Number: 94.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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        Name: S L2                    Node: S L2                    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): 14.360                Time Shift(hrs): 0.00
         Curve Number: 94.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: S L3                    Node: S L3                    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): 7.990                 Time Shift(hrs): 0.00
         Curve Number: 91.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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        Name: S P1                    Node: S P1                    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): 15.00
             Area(ac): 28.380                Time Shift(hrs): 0.00
         Curve Number: 88.00           Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
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        Name: S P2                    Node: S P2                    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): 15.00
             Area(ac): 49.140                 Time Shift(hrs): 0.00
          Curve Number: 88.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


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        Name: S P3                    Node: S P3                    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): 15.00
             Area(ac): 9.690                  Time Shift(hrs): 0.00
          Curve Number: 88.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


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        Name: S P4                    Node: S P4                    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): 15.00
             Area(ac): 11.860                 Time Shift(hrs): 0.00
          Curve Number: 88.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: S P5                    Node: S P5                    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): 15.00
             Area(ac): 3.990                  Time Shift(hrs): 0.00
          Curve Number: 88.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: S P6                    Node: S P6                    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): 15.00
             Area(ac): 10.600                 Time Shift(hrs): 0.00
          Curve Number: 88.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: SC11 G1                 Node: SC11 G1                 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): 15.00
             Area(ac): 1.760                  Time Shift(hrs): 0.00
          Curve Number: 95.00            Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: SC11 G2                 Node: SC11 G2                 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): 15.00
              Area(ac): 0.650                     Time Shift(hrs): 0.00
          Curve Number: 85.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: SC11 L1                     Node: SC11 L1                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): 15.00
              Area(ac): 2.650                     Time Shift(hrs): 0.00
          Curve Number: 80.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: SC11 P1                     Node: SC11 P1                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): 15.00
              Area(ac): 16.050                    Time Shift(hrs): 0.00
          Curve Number: 88.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: SC11 P2                     Node: SC11 P2                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): 15.00
              Area(ac): 8.880                     Time Shift(hrs): 0.00
          Curve Number: 88.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


===============================================================================================
==== Nodes ====================================================================================
===============================================================================================

      Name: 441 MH1             Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: FDOT                 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): 2.000
     Group: FDOT                                              Warn Stage(ft): 0.000
      Type: Stage/Volume


      Stage(ft)      Volume(af)
--------------- ---------------
         -1.000          0.0000
          8.000          0.0010

-----------------------------------------------------------------------------------------------
      Name: 441 SOUTH           Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: FDOT                                              Warn Stage(ft): 0.000
      Type: Stage/Volume
```

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
7.000	0.2000
7.500	0.5000
8.000	2.0200
8.500	4.5900
9.000	8.2700

Name: C11 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: Cem Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
5.000	0.0000
5.500	0.2300
6.000	0.9200
6.500	1.9800
7.000	3.0800
7.500	5.1400
8.000	9.1200
8.500	14.0700
9.000	19.0100

Name: FDOT C11 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: FDOT Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	999.000
200.00	999.000

Name: G1 MH 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)
-1.000	0.0001
9.000	0.0001

Name: GRIFFIN RD Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: FDOT Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
4.500	2.3100
5.000	4.6900

5.500	7.1100
6.000	9.6000
6.500	12.1400
7.000	14.7500
7.500	17.7800
8.000	21.6400
8.500	26.3000
9.000	31.7900

Name: S FDOT Ret Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: FDOT Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
3.500	0.6100
4.000	2.4500
4.500	4.9500
5.000	7.5600
5.500	10.3100
6.000	13.2100
6.500	16.1900
7.000	19.1600
7.500	22.1400
8.000	25.1100
8.500	28.0900
9.000	31.0600

Name: S G1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.500	0.0200
4.000	0.1000
4.500	0.1900
5.000	0.2900
5.500	1.4100
6.000	4.6000
6.500	8.8200
7.000	13.0400
7.500	17.2600
8.000	21.4800
8.500	25.7000
9.000	29.9200

Name: S G2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.4600
4.000	1.8500
4.500	3.6900
5.000	5.5400
5.500	7.5100
6.000	9.7300
6.500	12.1900
7.000	14.7700
7.500	17.3400
8.000	19.9200
8.500	22.4900
9.000	25.0700

Name: S G3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.9400
4.000	3.7600
4.500	7.5200
5.000	11.2800
5.500	15.3900
6.000	20.2000
6.500	25.3500
7.000	30.5100
7.500	35.6600
8.000	40.8200
8.500	45.9700
9.000	51.1300

Name: S G4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.2300
4.000	0.4600
4.500	0.6900
5.000	0.9200
5.500	1.1500
6.000	1.3800
6.500	1.6100
7.000	1.8400
7.500	2.0700
8.000	2.3000
8.500	2.5300
9.000	2.7600

Name: S L1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0500
3.000	6.0100
4.000	12.0200
4.500	15.1000
5.000	18.3300
5.500	21.7100
6.000	25.2400
6.500	28.8500
7.000	32.4500
7.500	36.0600
8.000	39.6600
8.500	43.2700
9.000	46.8700

Name: S L2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)

-1.000	0.0000
2.000	0.0500
3.000	12.0900
4.000	24.1200
4.500	30.2900
5.000	36.7600
5.500	43.5000
6.000	50.5400
6.500	57.7200
7.000	64.9000
7.500	72.0800
8.000	79.2600
8.500	86.4400
9.000	93.6200

Name: S L3 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.1000
3.000	6.1100
4.000	12.2200
4.500	15.3900
5.000	18.8000
5.500	22.4400
6.000	26.3200
6.500	30.3200
7.000	34.3100
7.500	38.3100
8.000	42.3000
8.500	46.3000
9.000	50.2900

Name: S P1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
5.000	1.1800
5.500	1.5400
6.000	2.6000
6.500	5.4400
7.000	11.1200
7.500	19.2700
8.000	28.5000
8.500	37.7200
9.000	46.9500

Name: S P2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
5.000	2.0500
5.500	2.6600
6.000	4.5000
6.500	9.4200
7.000	19.2500
7.500	33.3700
8.000	49.3400
8.500	65.3200

9.000	81.2900

Name: S P3 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	0.1000
5.000	0.4000
5.500	0.5200
6.000	0.8900
6.500	1.8600
7.000	3.8000
7.500	6.5800
8.000	9.7300
8.500	12.8800
9.000	16.0300

Name: S P4 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
5.000	0.4900
5.500	0.6400
6.000	1.0900
6.500	2.2700
7.000	4.6500
7.500	8.0500
8.000	11.9100
8.500	15.7600
9.000	19.6200

Name: S P5 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0500
5.000	0.1700
5.500	0.2200
6.000	0.3700
6.500	0.7600
7.000	1.5600
7.500	2.7100
8.000	4.0100
8.500	5.3000
9.000	6.6000

Name: S P6 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.1000
5.000	0.4400
5.500	0.5700
6.000	0.9700
6.500	2.0300

7.000	4.1500
7.500	7.2000
8.000	10.6400
8.500	14.0900
9.000	17.5300

Name: SC11 G1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.8800
4.000	1.7600
4.500	2.6400
5.000	3.5900
5.500	4.4700
6.000	5.3500
6.500	6.2300
7.000	7.1100
7.500	7.9900
8.000	8.8700
8.500	9.7500
9.000	10.6300

Name: SC11 G2 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
3.000	0.0500
3.500	0.2100
4.000	0.4200
4.500	0.6400
5.000	0.9100
5.500	1.1600
6.000	1.4400
6.500	1.7400
7.000	2.0500
7.500	2.3800
8.000	2.7000
8.500	3.0300
9.000	3.3500

Name: SC11 L1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.000	0.0500
3.000	1.4200
4.000	2.8400
4.500	3.6000
5.000	4.5800
5.500	5.5400
6.000	6.6100
6.500	7.7800
7.000	9.0600
7.500	10.3800
8.000	11.7100
8.500	13.0300
9.000	14.3600

Name: SC11 P1 Base Flow(cfs): 0.000 Init Stage(ft): 2.000

Group: BASE
Type: Stage/Volume

Warn Stage(ft): 0.000

Stage(ft)	Volume(af)
0.000	0.0000
2.000	0.0500
5.000	0.6700
5.500	0.8700
6.000	1.4700
6.500	3.0800
7.000	6.2900
7.500	10.9000
8.000	16.1200
8.500	24.1400
9.000	32.1700

Name: SC11 P2
Base Flow(cfs): 0.000
Init Stage(ft): 2.000
Group: BASE
Warn Stage(ft): 0.000
Type: Stage/Volume

Stage(ft)	Volume(af)
-1.000	0.0000
2.500	0.0500
5.000	0.3700
5.500	0.4800
6.000	0.8100
6.500	1.7000
7.000	3.4800
7.500	6.0300
8.000	8.9200
8.500	13.3600
9.000	17.8000

==== Pipes ====

Name: 441 GRIFFIN
Group: FDOT
From Node: 441 SOUTH
To Node: GRIFFIN RD
Length(ft): 500.00
Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Horz Ellipse	Horz Ellipse
Span(in):	76.00	76.00
Rise(in):	48.00	48.00
Invert(ft):	-1.000	-1.000
Manning's N:	0.025000	0.025000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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: 441 P1
Group: FDOT
From Node: 441 SOUTH
To Node: 441 MH1
Length(ft): 210.00
Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	42.00	42.00
Rise(in):	42.00	42.00
Invert(ft):	-1.000	-1.000
Manning's N:	0.015000	0.015000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

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

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

Name:	441 P2	From Node: 441 MH1	Length(ft):	600.00
Group:	FDOT	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:	GRIFFIN to Ret	From Node: GRIFFIN RD	Length(ft):	1000.00
Group:	FDOT	To Node: S FDOT Ret	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:	S G1Mh to L1	From Node: G1 MH	Length(ft):	50.00
Group:	BASE	To Node: S L1	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	-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: S L1 L2 From Node: S L1 Length(ft): 500.00

Final ICPR Results
South of the C-11 Canal

```
        Group: BASE                 To Node: S L2                  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: S L2 to L3          From Node: S L3              Length(ft): 500.00
        Group: BASE                  To Node: S L2                  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: 0.00
     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: 0.015000       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: S L3 to SC11 L1     From Node: S L3              Length(ft): 300.00
        Group: BASE                  To Node: SC11 L1               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): 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


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

         Name: 441 C11 OUT         From Node: 441 MH2           Length(ft): 55.00
        Group: FDOT                  To Node: FDOT C11              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 1 for Drop Structure 441 C11 OUT ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 6.000
               Rise(in): 36.00                  Control Elev(ft): 6.000


-----------------------------------------------------------------------------------------------------
         Name: GRIFFIN OUT          From Node: S FDOT Ret          Length(ft): 300.00
        Group: FDOT                   To Node: FDOT C11                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 GRIFFIN OUT ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 36.00                        Invert(ft): 3.700
               Rise(in): 24.00                  Control Elev(ft): 3.700


-----------------------------------------------------------------------------------------------------
         Name: S G1 to L1           From Node: S G1                Length(ft): 1000.00
        Group: BASE                   To Node: G1 MH                   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: 0.500
   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 S G1 to L1 ***
                                                                                    TABLE
                  Count: 6                       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): 3.250
                Rise(in): 24.00                 Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S G2 to L1          From Node: S G2              Length(ft): 100.00
        Group: BASE                  To Node: S L1                   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): 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 S G2 to L1 ***
                                                                                    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): 3.250
                Rise(in): 24.00                 Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S G2 to L2          From Node: S G2              Length(ft): 100.00
        Group: BASE                  To Node: S L2                   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): 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 S G2 to L2 ***
                                                                                    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): 3.250
                Rise(in): 24.00                 Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S G3 to L2          From Node: S G3              Length(ft): 100.00
        Group: BASE                  To Node: S L2                   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: 0.500
   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 S G3 to L2 ***
                                                                                  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): 53.00                        Invert(ft): 3.250
               Rise(in): 40.00                   Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S G3 to L3          From Node: S G3                Length(ft): 100.00
        Group: BASE                  To Node: S L3                     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: 0.500
   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 S G3 to L3 ***
                                                                                  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): 53.00                        Invert(ft): 3.250
               Rise(in): 40.00                   Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S G4 to L3          From Node: S G4                Length(ft): 100.00
        Group: BASE                  To Node: S L3                     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: 0.500
   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 S G4 to L3 ***
                                                                                  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): 53.00                      Invert(ft): 3.250
                Rise(in): 40.00                Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------
         Name: S P1 to G1          From Node: S P1              Length(ft): 200.00
        Group: BASE                  To Node: S G1                   Count: 3

                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): 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 S P1 to G1 ***
                                                                                    TABLE
                  Count: 3                     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): 53.00                      Invert(ft): 5.000
                Rise(in): 40.00                Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P1 to L1          From Node: S P1              Length(ft): 600.00
        Group: BASE                  To Node: S L1                   Count: 3

                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: 0.500
   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 S P1 to L1 ***
                                                                                    TABLE
                  Count: 3                     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): 60.00                      Invert(ft): 5.000
                Rise(in): 24.00                Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P2 to G3          From Node: S P2              Length(ft): 400.00
        Group: BASE                  To Node: S G3                   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: 0.500
   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 S P2 to G3 ***
                                                                                    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): 53.00                        Invert(ft): 5.000
               Rise(in): 40.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: S P2 to L2          From Node: S P2                Length(ft): 300.00
        Group: BASE                  To Node: S L2                     Count: 6

               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: 0.500
   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 S P2 to L2 ***
                                                                                    TABLE
                  Count: 6                       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): 60.00                        Invert(ft): 5.000
               Rise(in): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: S P3 to G4          From Node: S P3                Length(ft): 100.00
        Group: BASE                  To Node: S G4                     Count: 2

               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): 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 S P3 to G4 ***
                                                                                    TABLE
                  Count: 2                       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): 5.000
                Rise(in): 24.00                Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P4 to L3          From Node: S P4              Length(ft): 500.00
        Group: BASE                  To Node: S L3                   Count: 3

                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 1 for Drop Structure S P4 to L3 ***
                                                                                    TABLE
                  Count: 3                      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): 60.00                      Invert(ft): 5.000
                Rise(in): 24.00                Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P5 to L3          From Node: S P5              Length(ft): 200.00
        Group: BASE                  To Node: S L3                   Count: 2

                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): 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 S P5 to L3 ***
                                                                                    TABLE
                  Count: 2                      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): 5.000
                Rise(in): 24.00                Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P6 to G3          From Node: S P6              Length(ft): 400.00
        Group: BASE                  To Node: S G3                   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: 0.500
   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 S P6 to G3 ***
                                                                                  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): 53.00                        Invert(ft): 5.000
               Rise(in): 40.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: S P6 to L3          From Node: S P6                Length(ft): 600.00
        Group: BASE                  To Node: S L3                     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: 0.500
   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 S P6 to L3 ***
                                                                                  TABLE
                  Count: 2                       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): 5.000
               Rise(in): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------
         Name: SC11 G1 to L1       From Node: SC11 G1             Length(ft): 50.00
        Group: BASE                  To Node: SC11 L1                  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: 0.500
   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 SC11 G1 to L1 ***
                                                                                  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): 53.00                      Invert(ft): 3.250
                Rise(in): 40.00                 Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------------
          Name: SC11 G2 to L1       From Node: SC11 G2            Length(ft): 100.00
         Group: BASE                  To Node: SC11 L1                 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: 0.500
    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 SC11 G2 to L1 ***
                                                                                          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): 53.00                      Invert(ft): 3.250
                Rise(in): 40.00                 Control Elev(ft): 3.250


-----------------------------------------------------------------------------------------------------
          Name: SC11 P1 to G1       From Node: SC11 P1            Length(ft): 300.00
         Group: BASE                  To Node: SC11 G1                 Count: 2

                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: 0.500
    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 SC11 P1 to G1 ***
                                                                                          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): 53.00                      Invert(ft): 5.000
                Rise(in): 40.00                 Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
          Name: SC11 P2 to G2       From Node: SC11 P2            Length(ft): 300.00
         Group: BASE                  To Node: SC11 G2                 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: 0.500
    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 SC11 P2 to G2 ***
                                                                                    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): 53.00                        Invert(ft): 5.000
               Rise(in): 40.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: SC11 P2 to L1       From Node: SC11 P2            Length(ft): 300.00
        Group: BASE                  To Node: SC11 L1                 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: 0.500
   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 SC11 P2 to L1 ***
                                                                                    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): 5.250
               Rise(in): 24.00                  Control Elev(ft): 5.000


-----------------------------------------------------------------------------------------------------
         Name: SOUTH OUTFALL       From Node: SC11 L1            Length(ft): 150.00
        Group: BASE                  To Node: C11                     Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Positive
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   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 SOUTH OUTFALL ***
                                                                                    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): 60.00                       Invert(ft): 6.600
              Rise(in): 24.00                 Control Elev(ft): 6.600

*** Weir 2 of 2 for Drop Structure SOUTH OUTFALL ***
                                                                          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): 0.83                        Invert(ft): 2.000
      Left Sd Slp(h/v): 1.00                  Control Elev(ft): 2.000
     Right Sd Slp(h/v): 1.00             Struct Opening Dim(ft): 1.00


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

         Name: Cem East            From Node: Cem
        Group: BASE                  To Node: S P5
         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: Cem South           From Node: Cem
        Group: BASE                  To Node: S L3
         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: Cem West            From Node: Cem
        Group: BASE                  To Node: S G3
         Flow: Both                    Count: 1
         Type: Vertical: Paved      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


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

         Name: 10 Year-1 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\10 Year-1 Day.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: 100 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\100 Year-3 Day.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 25 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\25 Year-3 Day.R32

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

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 5 Year-1 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\5 Year-1 Day.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: 50 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\50 Year-3 Day.R32

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: Sfwmd72
    Rainfall Amount(in): 16.30

Time(hrs)       Print Inc(min)
--------------- ---------------
80.000          5.00

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

         Name: 10 Year-1 Day       Hydrology Sim: 10 Year-1 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\10 Year-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): 45.00
     Min Calc Time(sec): 0.5000                Max Calc Time(sec): 60.0000
        Boundary Stages: 10 Year-1 Day             Boundary Flows:
```

```
Time(hrs)        Print Inc(min)
--------------- ---------------
45.000           15.000

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


-----------------------------------------------------------------------------------------------
         Name: 100 Year-3 Day      Hydrology Sim: 100 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\100 Year-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: 100 Year-3 Day           Boundary Flows:


Time(hrs)        Print Inc(min)
--------------- ---------------
96.000           15.000

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


-----------------------------------------------------------------------------------------------
         Name: 25 Year-3 Day       Hydrology Sim: 25 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\25 Year-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: 25 Year-3 Day            Boundary Flows:


Time(hrs)        Print Inc(min)
--------------- ---------------
96.000           15.000

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


-----------------------------------------------------------------------------------------------
         Name: 5 Year-1 Day        Hydrology Sim: 5 Year-1 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\5 Year-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): 45.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages: 5 Year-1 Day             Boundary Flows:


Time(hrs)        Print Inc(min)
--------------- ---------------
45.000           15.000

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

```
-----------------------------------------------------------------------------------------------------
         Name: 50 Year-3 Day       Hydrology Sim: 50 Year-3 Day
     Filename: M:\icpr3\11-0009 TOC\35-45-20\SOUTH C-11\50 Year-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 Year-3 Day            Boundary Flows:


Time(hrs)        Print Inc(min)
---------------- ---------------
96.000           15.000

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


=================================================================================================
==== Boundary Conditions ========================================================================
=================================================================================================

      Name: 5 Year-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: 50 Year-3 Day         Node: C11                    Type: Stage

      Time(hrs)        Stage(ft)
---------------- ---------------
          0.000           2.000
         24.000           2.900
         75.000           4.750
         96.000           3.750
        120.000           2.900
        200.000           2.000

-----------------------------------------------------------------------------------------------------
      Name: 100 Year-3 Day        Node: C11                    Type: Stage

      Time(hrs)        Stage(ft)
---------------- ---------------
          0.000           2.000
         24.000           3.000
         75.000           5.000
         96.000           4.000
        120.000           3.000
        200.000           2.000

-----------------------------------------------------------------------------------------------------
      Name: 10 Year-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 Year-3 Day         Node: C11                    Type: Stage

      Time(hrs)        Stage(ft)
---------------- ---------------
```

0.000	2.000
24.000	2.750
75.000	4.500
96.000	3.500
120.000	2.750
200.000	2.000

Name: 10 Year-1 Day Node: FDOT 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