

19339-4



Bound Reports

1720

STORMWATER DESIGN CALCULATIONS

ERP APPLICATION PACKAGE

GREATER PINES PHASES 8 - 10

June 19, 2000

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I.

Executive Summary

Introduction

The proposed project is the remaining residential phases (Phases 8 through 10) of the Greater Pines Development on Hancock Road in Lake County. This report represents the site specific data, stormwater management data and results of the stormwater analysis.

Phases 1 through 4 have been developed and permitted previously with St Johns Water Management District (SJWMD) under the Individual Permit No. 4-069-0276, issued in January 1993. Phases 5 through 7 have been permitted also under Individual Permit Number 4-069-0276M2, issued September 1997.

The proposed Phases 8 through 10 will occupy approximately 90.17 acres. The development phases are to be developed into single-family residential with an infrastructure road system, stormwater management system and retention ponds. The stormwater management system will be designed according to both Lake County and SJRWMD criteria. This report is intended to supplement a SJRWMD Individual Environmental Resource Permit application for this development.

Existing Stormwater Drainage Conditions

Currently the stormwater runoff from the existing site drains to Lost Lake, a small land-locked lake system. Phases 1 through 7 are collected into existing retention ponds with discharge from those ponds to Lost Lake.

According to SCS Soil Survey for Lake County, the existing soil consists of Chandler Sands, Myakka, and Placid/Myakka, which have hydrologic classification of "A" and "B/D", respectively. Please refer to the geotechnical investigation of the site by Nordarse and Associates under separate attachment, for additional soil details and boring/soil profile information.

Stormwater Management System Design

Hydrologic soil characteristics have been taken from SCS Soil Survey for Lake County to develop runoff numbers outlined in the SCS TR-55 publication. The Time of Concentration for the drainage basin estimated by delineating flow characteristics as overland sheet flow, shallow concentrated flow, or pipe flow, and in accordance with the accepted methods presented in the SCS TR-55 publication.

Three storm events were analyzed as part of this report, as required. Since the percent impervious for the site is less than 50%, no analysis of the mean annual pre/post condition was made. The pre and post development conditions for the 25-year 24-hour 8.6 inch storm event, 25-year 96-hour 11.9 inch storm event, 100-year 24-hour 10.4 inch storm event and the 100-year 96-hour 14.8 inch storm event were analyzed as required by Lake County and SJRWMD.

Storm distributions for the 25/24 and 100/24 the SCS III, and the 25/96 and 100/96 are the SJRWMD96 distribution, as required.

Runoff hydrographs were generated using the Santa Barbara Urban Hydrograph method and flood routed applying the continuity equation through the assistance of the Interconnected Pond Routing computer program (ICPR), version 2.11.

The site discharges to a small land-locked lake, Lost Lake, at the west central side of the site. Due to the land-locked nature of the site, the 25 year 96 hour storm event for the pre and post development conditions was analyzed to determine if there was an increase in the runoff volume from to the proposed development. The on-site retention pond system was designed to hold difference between the pre and post development runoff volumes to assure the discharge to the lake did not increase. Table 1.1 summarizes the results.

Pollution abatement volumes were calculated, and presented herewith, following Lake County and SJRWMD criteria and the ponds analyzed to check for the capacity to receive the volumes and recharge the volumes in the required 72 hours and complete drawdown in 14 days.

Per the site environmentalist, Modica and Associates, for the Phase 5 through 7 permit application, there are approximately 3.6 acres of onsite wetlands in the low depression area (Lost Lake) adjacent to and extending into the Phase 5 through 7 site. No development encroachment within the wetland is proposed.

The stormwater collection system has been designed consisting of pipes, inlets and retention ponds. The system was sized for the 10-year frequency, FDOT Zone 7 Rational Method design. Results from the analysis were used to determine sizes for the pipes, slopes, etc., and are shown on the Construction Plans.

Proposed Stormwater Management System

Pond 2, Pond 3, & Pond 4 – Existing

Ponds 2, 3 and 4 were designed in Phase 5 through 7 development. Some of the proposed development in Phase 8 discharges to this system of ponds. These ponds are interconnected and discharge to a spreader area that ultimately discharges to Lost Lake. These three ponds, their respective drainage basins, along with the previously developed Phases 1 through 4 and their respective stormwater management systems, are incorporated, and presented herewith, to demonstrate conformance with SJRWMD and Lake County criteria.

Pond 5

Pond 5 is located near the southeast side of Lost Lake, near the central west side of the property boundary. It will function as a dry retention system with a top elevation of 92.0 feet and a bottom elevation of 88.0 feet. The soil boring AB41 within the location of Pond 5 showed a vertical permeability of 39 fpd and a high seasonal water table of 85.0

feet. Horizontal permeability typically is 1.5 to 2 times vertical however, per Nodarse soils investigation the average horizontal permeability should be limited to 30 fpd. This pond will overflow through two thirty-foot wide weirs set at elevation 91.0 feet. The routing analysis for Pond 5 indicates a maximum stage of 91.57 feet for the 25/24 design storm event.

Pond 6

Pond 6 is located to the north of Lost Lake, south central area of Phase 9 and 10. It will function as a dry retention system with a top elevation of 92.0 feet and a bottom elevation of 88.0 feet. The soil borings AB37 and AB39 within the location of Pond 6 showed a vertical permeability of 39 and 22 fpd, respectively and a high seasonal water table of 85.0 feet. Horizontal permeability typically is 1.5 to 2 times vertical however, per Nodarse soils investigation the average horizontal permeability should be limited to 30 fpd. This pond will overflow through three twenty-foot wide weirs at elevation 91.0 feet. The routing analysis for Pond 6 indicates a maximum stage of 91.37 feet for the 25/24 design storm event.

TABLE 1.1

SUMMARY OF RESULTS		
GREATER PINES PHASES 8-10		
DESCRIPTION	PRE-DEVELOPED CONDITION	POST-DEVELOPED CONDITION
I. 25-Year 24-Hour Storm Event Runoff Rate Offsite to Lost Lake	389.61 CFS	221.36 CFS
II. 25-Year 96-Hour Storm Event Runoff Volume Offsite to Lost Lake	145.18 AC-FT	130.05 AC-FT
III. 100-Year 96-Hour Storm Event High Water Level in Lost Lake	92.78 FEET	91.93 FEET
IV. Pollution Abatement Volumes Pond 2 - Pond 6	10.85 AC-FT	27.02 AC-FT
V. WQV Recoved in 72 Hours Pond 2 - Pond 6	27.81 AC-FT	36.55 AC-FT
VI. Total Pond Recovery Times		
Pond 2	9 Days	9 Days
Pond 3	14 Days	14 Days
Pond 4	11 Days	11 Days
Pond 5	N/A	7 Days
Pond 6	N/A	14 Days

TABLE 1.2
POST DEVELOPMENT SITE DATA

BASIN NO.	OVERALL AREA (acre)	IMPERVIOUS AREA (acre)	DCIA (acre)	Percent DCIA (%)	NDCIA (acre)	Curve Nos.		Time of Concentration (min)
						Overall	NDCIA and Pervious	
8-1	1.78	0.37	0.16	9.2	0.20	54	46	10.0
8-2	1.80	0.37	0.16	9.1	0.20	54	46	10.0
8-3	2.27	0.43	0.19	8.4	0.23	53	45	10.0
8-4	7.73	3.15	2.53	32.8	0.62	54	46	14.9
8-5	12.10	3.18	2.25	18.6	0.93	52	44	10.6
9-1	23.50	6.13	3.97	16.9	2.16	53	45	15.7
10-1	18.15	2.15	1.44	7.9	0.71	50	41	11.7
Lake	10.05	10.05	10.05	100.0	0.00	100	95	10.0
Off-1 Post	16.21	0.00	0.00	0.0	0.00	48	48	22.6
Off-2 Post	22.56	0.00	0.00	0.0	0.00	48	48	20.9
Off-3 Post	8.50	0.00	0.00	0.0	0.00	48	48	16.1
Off-4 Post	28.38	0.00	0.00	0.0	0.00	48	48	21.3
Off-5 Post	3.77	0.00	0.00	0.0	0.00	48	48	16.1
Off-6 Post	40.71	0.00	0.00	0.0	0.00	48	48	23.1
Off-7 Post	6.74	0.00	0.00	0.0	0.00	48	48	15.4
Off-8 Post	68.38	0.00	0.00	0.0	0.00	48	48	40.8
Pond 5	2.15	0.00	0.00	0.0	0.00	39	39	10.0
Pond 6	10.64	0.00	0.00	0.0	0.00	39	39	10.0
TOTAL	285.42	25.81	20.76	7.27	5.05	50	37	
PROJECT	90.17	25.81	20.76	23.02	5.05	56	49	

PROJECT IMPERVIOUS = 28.6%
TOTAL IMPERVIOUS = 9.0%

**SITE AND PROJECT
DESCRIPTION**

II. Site and Project Description

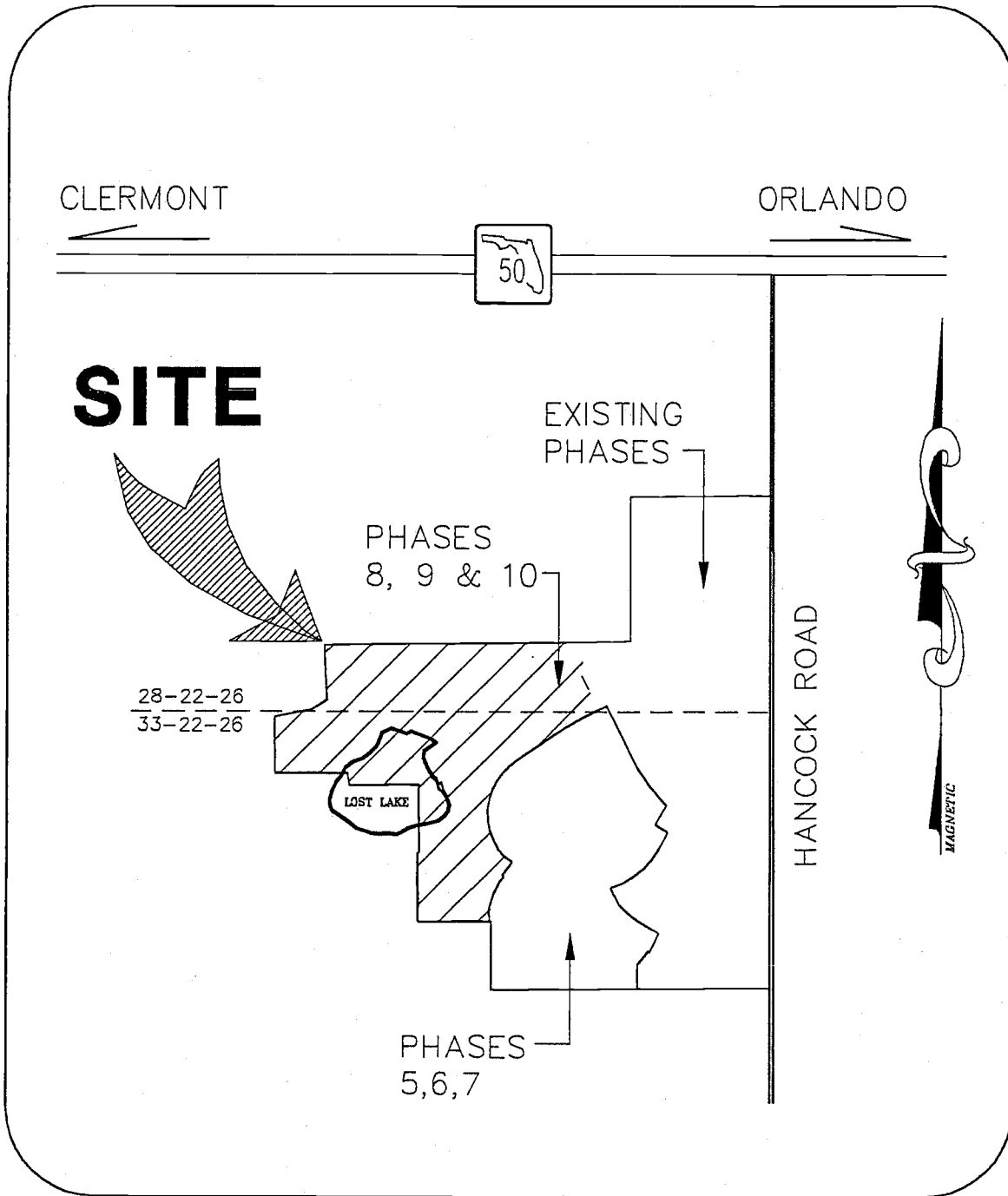
Phases 8 through 10 of the Greater Pines Planned Unit Development consist of approximately 90.17 acres on the west side of the existing Greater Pines PUD. The site is located on Hancock road in south Lake County. A vicinity map is on page 11.

It is proposed to develop the 90.17-acre portion of the PUD into 126 single family homes, with a stormwater collection and retention pond system. Enclosed on page 12 is a depiction of the work proposed. Under a separate attachment are the Construction Plans for the roads, ponds and collection system.

The site is sparse grass and brush covered hilly terrain in the pre-developed condition. Soils are Chandler Sands, Myakka and Placid/Myakks (SCS Type A and B/D, respectively), with high permeability and considerable depth, with the exception being the areas near the lake, to the ground water table. The seasonal high is estimated to be at the elevation of 85.0 feet NGVD. This is the approximate elevation of the 3.6 acres of wetlands along the edge of the lake, as expected.

Presented herewith is an aerial with Phases 8-10 of Greater Pines PUD, as well as the existing phases, overlaid thereon. Pre and Post Development Drainage Basin Maps that depict the development are also presented herewith.

FIGURE 2.1

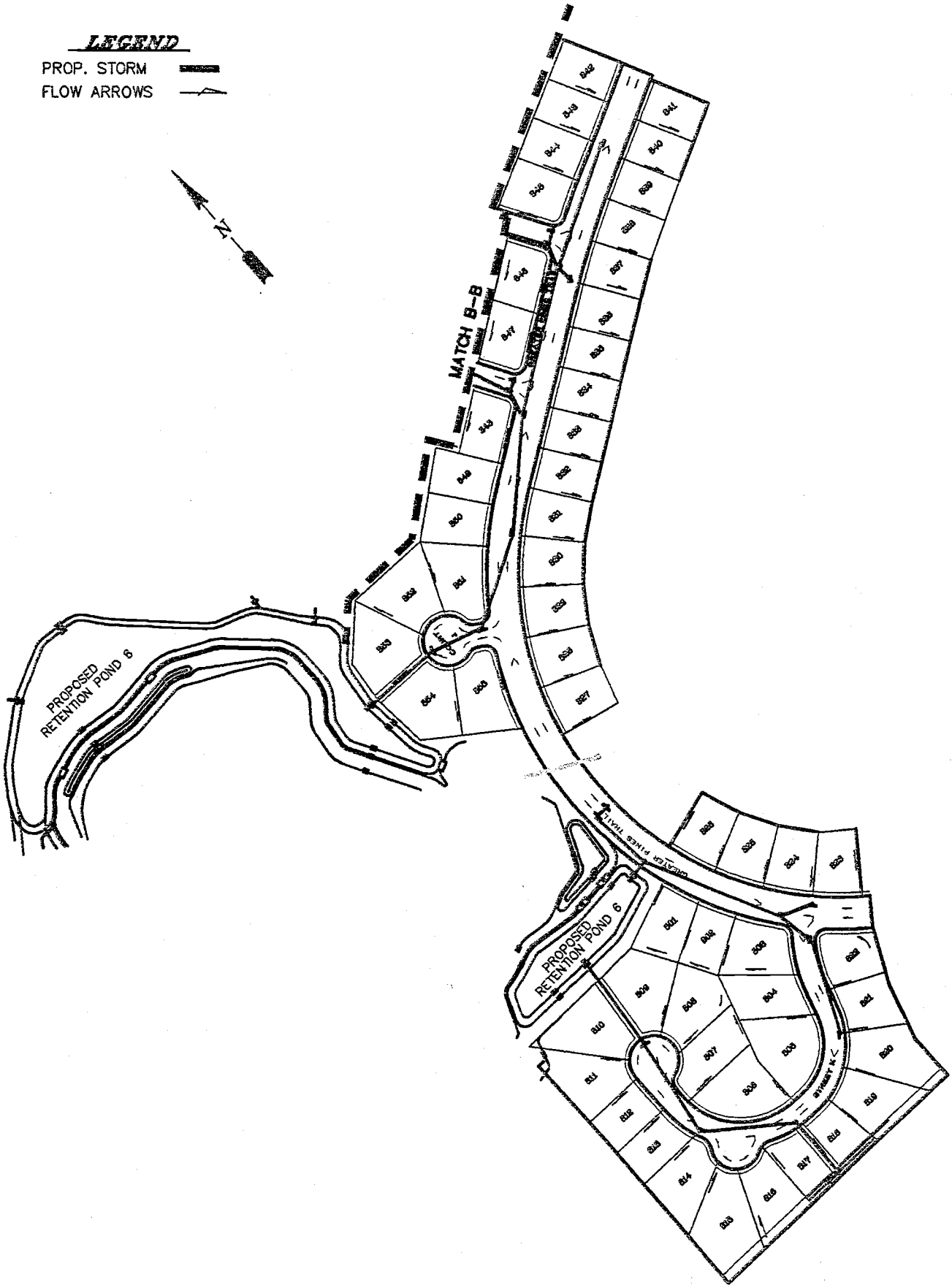
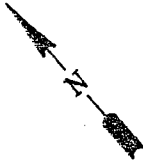


VICINITY MAP

1" = 2000'

LEGEND

PROP. STORM [Symbol]
 FLOW ARROWS [Symbol]



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DEPICTION OF WORKS

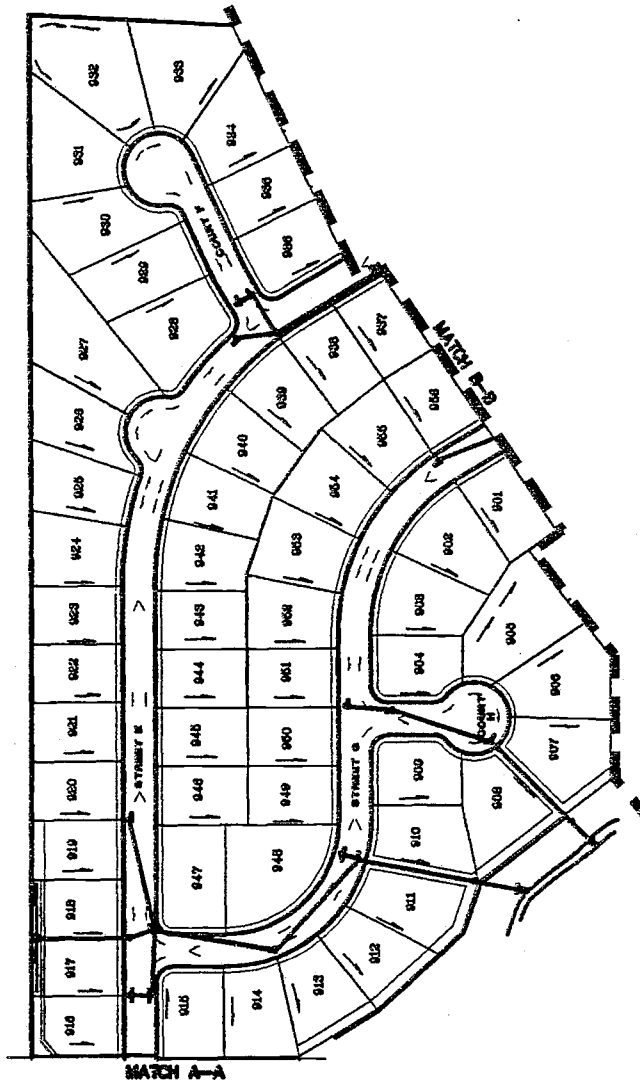
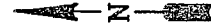
GREATER PINES

NOT TO SCALE

DATE: 6/20/00

LEGEND

PROP. STORM 
FLOW ARROWS 



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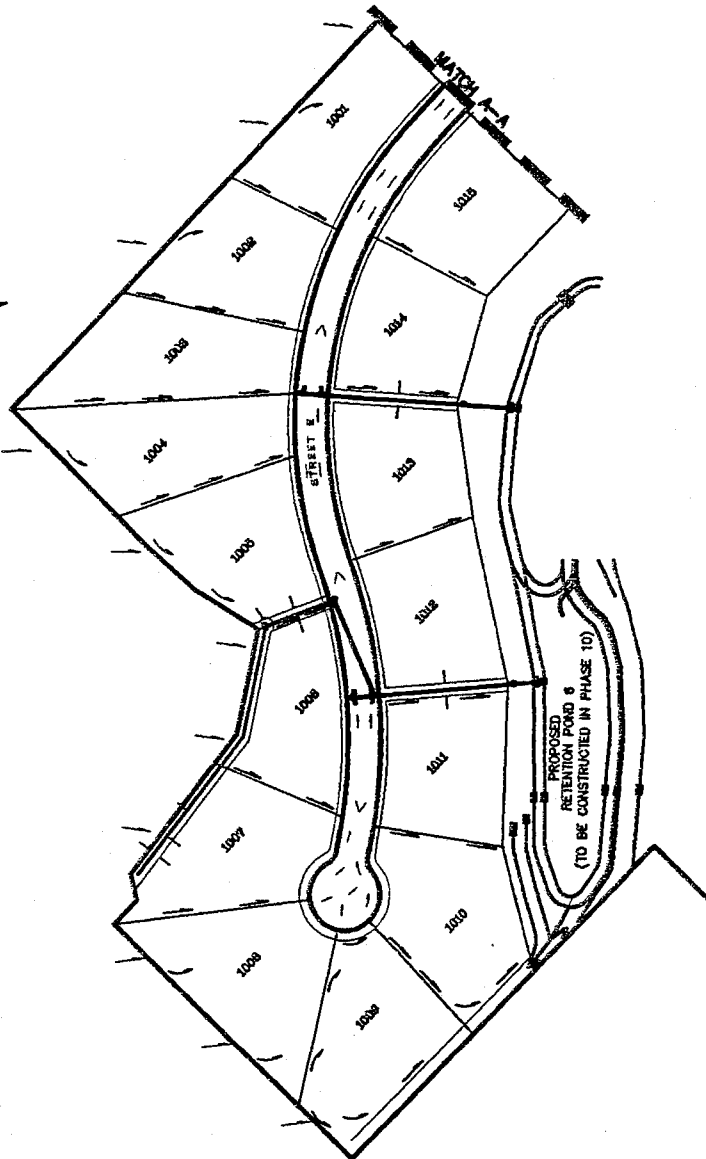
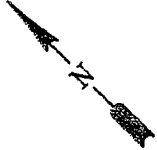
GREATER PINES

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DATE: 6/20/00

LEGEND

PROP. STORM 
FLOW ARROWS 



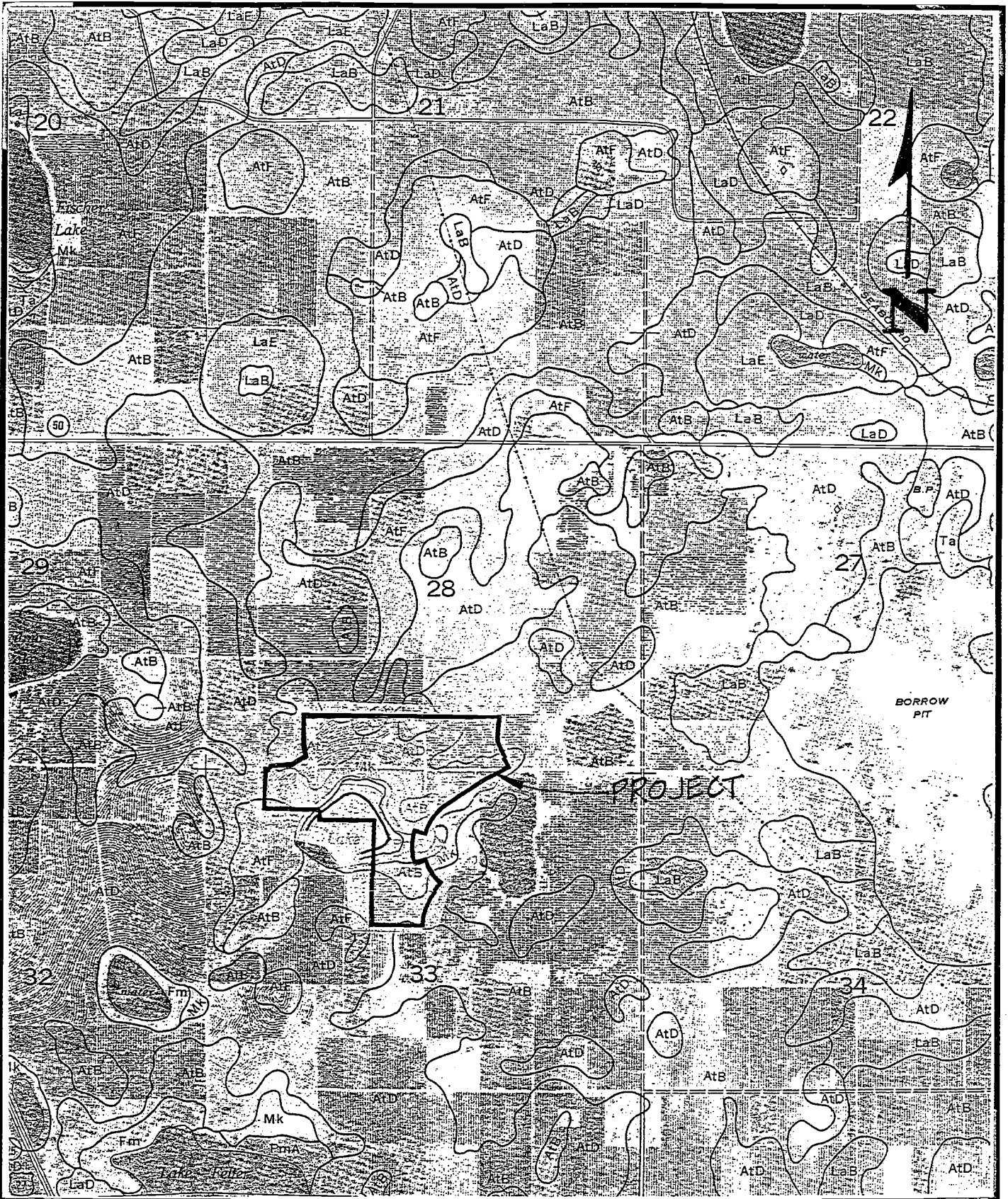
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GREATER PINES

NOT TO SCALE

DATE: 6/20/00



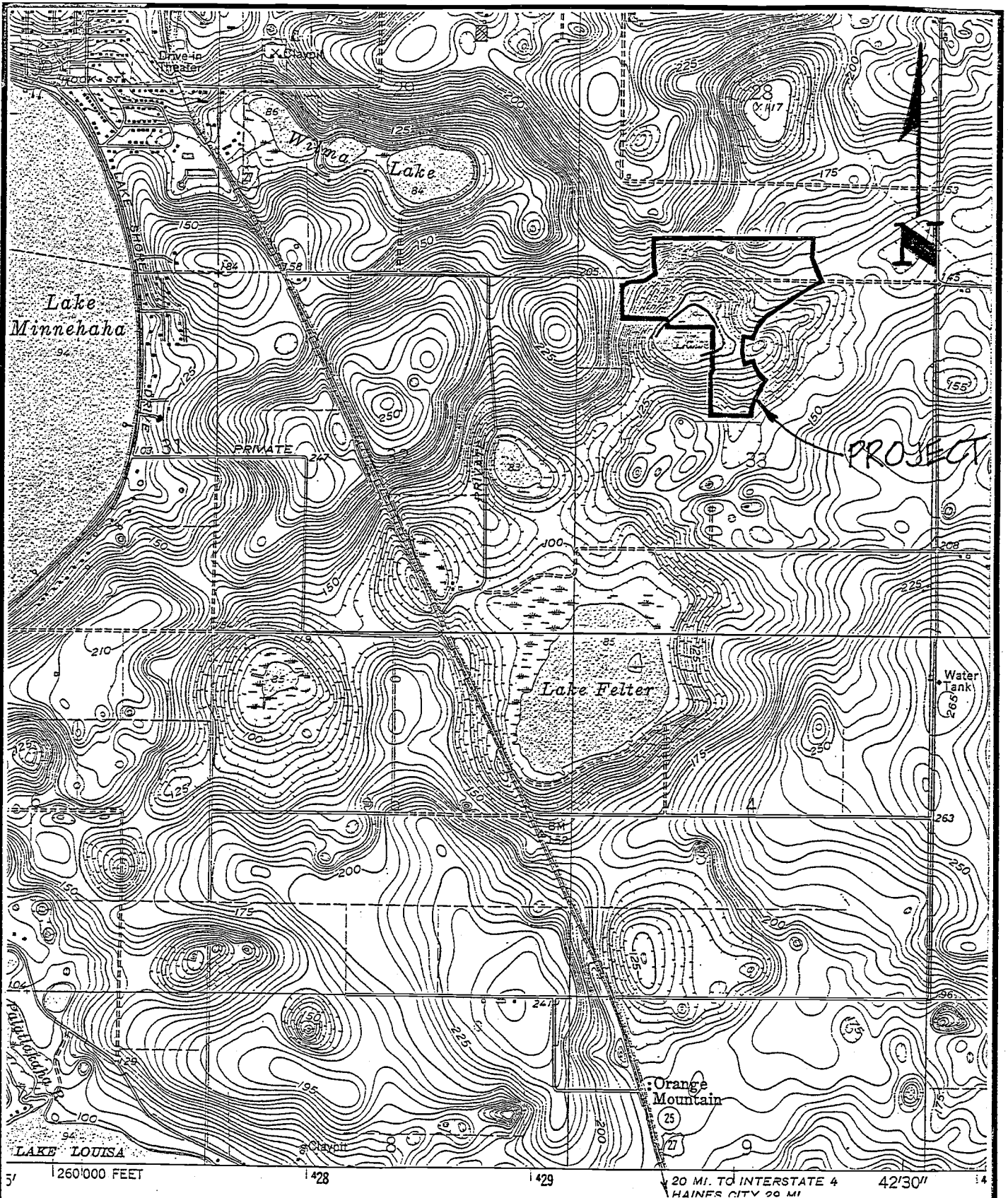
**GREATER PINES PHASES 8 - 10
SOILS MAP**



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LAKE COUNTY - SHEET NO. 60

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**GREATER PINES PHASES 8 - 10
USGS MAP**

CLERMONT EAST, FL.

CPH JOB NO. G6765.08.C



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**PRE/POST DEVELOPMENT HYDROLOGIC
ANALYSIS, METHODOLOGY AND RESULTS**

III. Pre/Post Development Hydrologic Analysis, Methodology and Results

Narrative

Pre developed basins as depicted on the Pre Development Drainage Basin Map for Phases 8 through 10 are the same as the Post Development basins for Phases 5 through 7, previously permitted. Pre Development basin areas for on-site and off-site for the entire drainage area contributing to Lost Lake are presented in Table 3.1. Time of Concentrations and curve numbers for the existing Phases 1-4 which are routed through existing Phases 5-7, are depicted in Tables 3A.1, 3C.2 and Tables 3A.2, 3C.3, respectively. For simplicity the Post Development Time of Concentrations and Post Development Curve Numbers from Phases 5-7, have been duplicated and presented herewith to replicate Phase 8 through 10 Pre Development Condition. Tables 3C.2 and 3C.3 show the results of the site specific determinations made for existing pre development site conditions.

Post developed basins as depicted on the Post Development Drainage Basin Maps, have been divided based on topography, cover, curve numbers and the time of concentrations have been estimated. Post Development Basin Areas for on-site and off-site for the entire drainage area contributing to Lost Lake is presented in Table 3.2. Time of Concentration and curve numbers for the proposed Phases 8-10 are shown in Tables 3.3, 3.4 and 3.5.

The time of concentration for each basin has been developed using the methodology outlined in SCS TR-55. The first 300 feet of travel is modeled as overland flow using the

$$T_c = \frac{0.007(n * L)^{0.8}}{(P_2)^{0.5} s^{0.4}}$$

following equation:

Where: T_c = Time of concentration in hours

n = the roughness coefficient as provided in Table 3.1 of SCS TR-55

L = The distance traveled in feet

P_2 = The 2 year 24 hour rainfall volume in inches

s = The slope of the hydraulic grade line (land slope)

For any distance traveled beyond 300 feet, on an unpaved surface, the time of

$$T_c = \frac{L}{(16.1345)s^{0.4}}$$

concentration is estimated using shallow concentrated flow as follows:

Where: T_c = Time of concentration in seconds

L = The distance traveled in feet

s = The slope of the hydraulic grade line (land slope)

For any distance traveled beyond 300 feet, on a paved surface, the time of concentration

$$T_c = \frac{L}{(20.3282)s^{0.4}}$$

is estimated using shallow concentrated flow as follows:

Where: T_c = Time of concentration in seconds

L = The distance traveled in feet

s = The slope of the hydraulic grade line (land slope)

In the post development condition, the site is divided into runoff basins as depicted on the Post Development Drainage Basin Map. The percent impervious, and its division into Directly Connected Impervious Area (DCIA) and Non Directly Connected Impervious Area (NDCIA), estimated for this analysis is shown on the Typical Lot Layout, page 27. The results are shown in Table 3.4, DCIA & NDCIA Table Basin Analysis on page 28. Curve numbers are then calculated using SCS Methods as outlined in the TR-55. The results for the post-developed condition curve numbers are shown in Table 3.5.

Table 3.1

PRE DEVELOPMENT AREAS

BASIN	AREA (acres)		
	ONSITE	OFFSITE	TOTAL
Basin-2	5.34	0.00	5.34
Basin-3	3.48	0.00	3.48
Basin-4A	21.26	0.00	21.26
Basin-4B	24.71	0.00	24.71
Basin-4C	2.31	0.00	2.31
Lost Lake	8.34	10.34	18.68
OFF-1	10.84	15.70	26.54
OFF-2	2.58	0.00	2.58
OFF-3	1.51	0.00	1.51
OFF-4	15.71	0.00	15.71
OFF-5	21.62	31.06	52.68
OFF-6	13.32	32.20	45.52
OFF-7	0.00	40.59	40.59
OFF-8	16.25	73.99	90.24
Pond 2	5.44	0.00	5.44
Pond 3	4.64	0.00	4.64
Pond 4	5.77	0.00	5.77
H (Pond-1B)	11.04	0.00	11.04
I (Pond-1A)	7.50	4.30	11.80
J	17.60	3.50	21.10
K	6.20	18.40	24.60
Trib Pond-1A	4.97	0.00	4.97
Trib Pond-1B	56.95	0.00	56.95
exist 200's	3.20	0.00	3.20
exist 300's	23.86	0.00	23.86
Pond-1A	2.16	0.00	2.16
Pond-1B	7.44	0.00	7.44
TOTAL	304.04	230.08	534.12

PROJECT 90.17

TIME OF CONCENTRATION

G6765.04

POST-DEVELOPED CONDITION

12/19/1993 - REVISED 6/9/1994

PAGE 1

BASIN No.	PATH L (ft)	FIRST 300' OF PATH						REMAINING PATH				TIME Tt (min)
		L1-G (ft)	S1-G (ft/ft)	T1-G (min)	L1-C (ft)	S1-C (ft/ft)	T1-C (min)	L2-G (ft)	T2-G (min)	L2-C (ft)	T2-C (min)	
100A	100	100	0.050	5.6	0	0.000	0.0	0	0.0	0	0.0	10.0
100B	115	115	0.052	6.1	0	0.000	0.0	0	0.0	0	0.0	10.0
101A	420	300	0.013	22.9	0	0.000	0.0	120	4.0	0	0.0	26.9
101B	140	140	0.013	12.5	0	0.000	0.0	0	0.0	0	0.0	12.5
102	100	20	0.005	3.8	80	0.008	1.2	0	0.0	0	0.0	10.0
103	360	250	0.024	15.5	50	0.008	0.8	0	0.0	60	0.5	16.8
104	680	250	0.020	16.7	50	0.005	1.0	0	0.0	380	3.2	20.8
105	110	50	0.006	7.4	60	0.005	1.1	0	0.0	0	0.0	10.0
106	550	65	0.007	8.6	235	0.014	2.3	0	0.0	250	2.1	13.0
107	595	70	0.005	10.5	230	0.013	2.3	0	0.0	295	2.5	15.2
108	275	140	0.007	16.0	135	0.013	1.5	0	0.0	0	0.0	17.5
109	690	70	0.010	7.9	230	0.011	2.5	0	0.0	390	3.3	13.6
110	360	225	0.025	14.0	75	0.011	1.0	0	0.0	60	0.5	15.5
111	680	125	0.020	9.6	175	0.026	1.4	0	0.0	380	3.2	14.1
112	610	90	0.012	9.0	210	0.018	1.9	0	0.0	310	2.6	13.5
113	360	180	0.023	12.1	110	0.033	0.9	0	0.0	70	0.6	13.6
114	575	155	0.021	11.2	145	0.018	1.4	0	0.0	275	2.3	14.8
115	555	155	0.025	10.4	145	0.033	1.1	0	0.0	255	2.1	13.6
116	630	175	0.008	18.1	125	0.013	1.4	0	0.0	330	2.8	22.2
117	445	75	0.007	9.7	225	0.022	1.8	0	0.0	145	1.2	12.7
118	620	130	0.007	15.0	170	0.025	1.4	0	0.0	320	2.7	19.1
119	460	150	0.026	10.0	150	0.025	1.3	0	0.0	160	1.3	12.6
120	1500	80	0.005	11.7	220	0.022	1.8	0	0.0	1200	10.0	23.5
121	470	120	0.005	16.1	180	0.020	1.6	0	0.0	170	1.4	19.1
122	325	75	0.013	7.6	225	0.042	1.4	0	0.0	25	0.2	10.0
123	310	190	0.010	17.7	110	0.079	0.6	0	0.0	10	0.1	18.4
124	560	150	0.020	11.1	150	0.014	1.6	0	0.0	260	2.2	14.8
125	500	155	0.025	10.4	145	0.040	1.0	0	0.0	200	1.7	13.1
126	580	140	0.005	18.3	160	0.021	1.4	0	0.0	280	2.3	22.0
127	860	150	0.026	10.0	150	0.014	1.6	0	0.0	560	4.7	16.2
128	80	80	0.030	5.7	0	0.000	0.0	0	0.0	0	0.0	10.0
129	1220	300	0.010	25.5	0	0.000	0.0	0	0.0	920	7.7	33.1
130	620	150	0.030	9.4	150	0.005	2.4	0	0.0	320	2.7	14.5
131	770	155	0.006	18.4	145	0.005	2.3	0	0.0	470	3.9	24.7
132	450	140	0.006	17.0	160	0.008	2.1	0	0.0	150	1.3	20.3
133	500	160	0.010	15.4	140	0.008	1.9	0	0.0	200	1.7	18.9
134	700	140	0.005	18.3	160	0.005	2.5	0	0.0	400	3.3	24.1
135	680	40	0.005	6.7	260	0.005	3.7	0	0.0	380	3.2	13.6

TIME OF CONCENTRATION

POST-DEVELOPED CONDITION

PAGE 2

BASIN No.	PATH L (ft)	FIRST 300' OF PATH						REMAINING PATH				TIME Tt (min)
		L1-G (ft)	S1-G (ft/ft)	T1-G (min)	L1-C (ft)	S1-C (ft/ft)	T1-C (min)	L2-G (ft)	T2-G (min)	L2-C (ft)	T2-C (min)	
200	220	220	0.113	7.5	0	0.000	0.0	0	0.0	0	0.0	10.0
201	90	90	0.020	7.4	0	0.000	0.0	0	0.0	0	0.0	10.0
202	460	300	0.020	19.3	0	0.000	0.0	0	0.0	160	1.3	20.6
203	1750	300	0.030	16.4	0	0.000	0.0	1450	48.3	0	0.0	64.7
300	150	150	0.070	6.7	0	0.000	0.0	0	0.0	0	0.0	10.0
301	550	30	0.006	5.0	270	0.018	2.3	0	0.0	250	2.1	10.0
302	420	150	0.033	9.1	150	0.061	0.9	0	0.0	120	1.0	10.9
303	1000	70	0.005	10.5	230	0.060	1.2	0	0.0	700	5.8	17.6
304	680	150	0.046	7.9	150	0.061	0.9	0	0.0	380	3.2	12.0
305	660	150	0.020	11.1	150	0.061	0.9	0	0.0	360	3.0	15.0
306	330	130	0.030	8.4	170	0.018	1.6	0	0.0	30	0.3	10.2
307	620	150	0.013	13.2	150	0.051	0.9	0	0.0	320	2.7	16.8
308	735	145	0.005	18.8	155	0.051	1.0	0	0.0	435	3.6	23.4
309	165	25	0.005	4.6	140	0.020	1.3	0	0.0	0	0.0	10.0
310	680	150	0.026	10.0	150	0.058	0.9	0	0.0	380	3.2	14.0
311	600	150	0.005	19.3	150	0.058	0.9	0	0.0	300	2.5	22.7
312	580	100	0.010	10.6	200	0.018	1.8	0	0.0	280	2.3	14.7
313	160	160	0.025	10.7	0	0.000	0.0	0	0.0	0	0.0	10.7
314	220	40	0.005	6.7	180	0.010	2.1	0	0.0	0	0.0	10.0
315	560	300	0.020	19.3	0	0.000	0.0	260	8.7	0	0.0	28.0
H	1150	150	0.026	10.0	150	0.041	1.0	0	0.0	850	7.1	18.1
I	2500	0	0.000	0.0	300	0.050	1.7	1000	33.3	1200	10.0	45.0
J	600	300	0.022	18.6	0	0.000	0.0	150	5.0	150	1.3	24.8
K	1350	300	0.017	20.6	0	0.000	0.0	1050	35.0	0	0.0	55.6

NOTE:

- L1-G, S1-G & T1-G ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.
- L1-C, S1-C & T1-C ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.
- L2-G & T2-G ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN REMAINING PATH LENGTH @ 30 FPM.
- L2-C & T2-C ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN REMAINING PATH LENGTH @ 120 FPM.
- TRAVEL TIME (Tt) IS THE SUM OF TIME FOR FIRST 300 FT PLUS TIME FOR REMAINING PATH OR 10 MINUTE MINIMUM PER FDOT.

**TIME OF CONCENTRATION - POST DEVELOPED CONDITION
GREATER PINES - PHASES 5-7
CPH JOB # G6765.07 5/19/97**

BASIN No.	PATH L (ft)	FIRST 300' OF PATH						REMAINING PATH						TIME Tt (min)
		L1-G (ft)	S1-G (ft/ft)	T1-G (min)	L1-C (ft)	S1-C (ft/ft)	T1-C (min)	L2-G (ft)	S2-G	T2-G (min)	L2-C (ft)	S2-C	T2-C (min)	
OFF-1	1367	300	0.037	14.9	0	0.000	0.0	1067	0.037	5.8	0	0.000	0.0	20.7
OFF-2	430	300	0.074	11.2	0	0.000	0.0	130	0.074	0.5	0	0.000	0.0	11.7
OFF-3	541	300	0.070	11.5	0	0.000	0.0	241	0.070	0.9	0	0.000	0.0	12.4
OFF-4	1617	300	0.065	11.9	0	0.000	0.0	1317	0.065	5.3	0	0.000	0.0	17.2
OFF-5	2760	300	0.050	13.2	0	0.000	0.0	2460	0.063	10.1	0	0.000	0.0	23.3
OFF-6	2650	300	0.053	12.9	0	0.000	0.0	2350	0.061	9.8	0	0.000	0.0	22.7
OFF-7	1850	300	0.033	15.5	0	0.000	0.0	1550	0.045	7.5	0	0.000	0.0	23.0
OFF-8	4250	300	0.027	16.9	0	0.000	0.0	3950	0.027	24.8	0	0.000	0.0	41.7
BASIN-2	570	160	0.017	12.2	140	0.029	1.1	0	0.000	0.0	270	0.029	1.3	14.6
BASIN-3	420	145	0.024	9.9	155	0.011	1.7	0	0.000	0.0	120	0.011	0.9	12.5
BASIN-4A	655	220	0.036	11.7	80	0.007	1.2	0	0.000	0.0	355	0.007	3.4	16.2
BASIN-4B	770	170	0.126	5.8	130	0.020	1.2	0	0.000	0.0	470	0.020	2.7	10.0
BASIN-4C	570	155	0.023	10.7	145	0.060	0.8	0	0.000	0.0	270	0.060	0.9	12.4
LOSTLAKE	0	0	0.000	0.0	0	0.000	0.0	0	0.000	0.0	0	0.000	0.0	10.0
POND-2	150	150	0.167	4.7	0	0.000	0.0	0	0.000	0.0	0	0.000	0.0	10.0
POND-3	200	200	0.190	5.6	0	0.000	0.0	0	0.000	0.0	0	0.000	0.0	10.0
POND-4	160	160	0.150	5.1	0	0.000	0.0	0	0.000	0.0	0	0.000	0.0	10.0

NOTES:

a) L1-G, S1-G & T1-G ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.

b) L1-C, S1-C & T1-C ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.

c) L2-G & T2-G ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN REMAINING PATH LENGTH WHERE $V=16.1345*(S)^{.5}$ (PER TR-55 PAGE F-1)

d) L2-C & T2-C ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN REMAINING PATH LENGTH WHERE $V=20.3282*(S)^{.5}$ (PER TR-55 PAGE F-1)

e) TRAVEL TIME (Tt) IS THE SUM OF TIME FOR FIRST 300 FT PLUS TIME FOR REMAINING PATH OR 10 MINUTE MINIMUM PER FDOT.

$$T1-C \& G = \{0.007(nL)^{0.8} / \{(P)^{0.5}(s)^{0.4}\}$$

Where:

T = Time (hrs)

L = Length (ft)

s = slope (ft/ft)

P = 2yr - 24hr Rainfall (in)

n = Manning's roughness coefficient

n = 0.011 for concrete

n = 0.15 for grass

P = 4.92 in.

AREA AND SCS METHOD "CN"
 GREATER PINES PHASES 2 & 3
 POST-DEVELOPMENT CONDITION
 CPH JOB No. G6765.04 12/22/1993 - REVISED 6/9/1994

PAGE 1

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	PERCENT DCIA (AS A %)	"CN" FOR NDCIA AND PERVIOUS AREA
100A	2.16	0.00	0.00	0.00	2.16	0.00	39
100B	7.44	0.00	0.00	0.00	7.44	0.00	39
101A	1.15	0.00	0.19	0.19	0.96	0.00	48
101B	4.18	0.00	0.69	0.69	3.49	0.00	48
102	0.07	0.03	0.00	0.03	0.04	42.86	39
103	0.62	0.08	0.04	0.12	0.50	12.90	43
104	2.60	0.58	0.18	0.76	1.84	22.31	44
105	0.26	0.10	0.00	0.10	0.16	38.46	39
106	2.82	0.58	0.04	0.62	2.20	20.57	40
107	1.62	0.83	0.00	0.83	0.79	51.23	39
108	0.60	0.12	0.05	0.17	0.43	20.00	45
109	1.95	0.62	0.07	0.69	1.26	31.79	42
110	1.82	0.25	0.19	0.44	1.38	13.74	46
111	2.40	0.33	0.28	0.61	1.79	13.75	47
112	1.28	0.50	0.00	0.50	0.78	39.06	39
113	0.94	0.25	0.07	0.32	0.62	26.60	45
114	2.34	0.72	0.14	0.86	1.48	30.77	44
115	1.65	0.33	0.19	0.52	1.13	20.00	47
116	2.17	0.94	0.05	0.99	1.18	43.32	41
117	0.94	0.50	0.00	0.50	0.44	53.19	39
118	3.70	0.54	0.44	0.98	2.72	14.59	47
119	1.28	0.29	0.12	0.41	0.87	22.66	46
120	1.65	0.66	0.00	0.66	0.99	40.00	39
121	1.25	0.25	0.11	0.36	0.89	20.00	45
122	1.67	0.25	0.11	0.36	1.31	14.97	43
123	1.12	0.17	0.09	0.26	0.86	15.18	44
124	0.96	0.17	0.09	0.26	0.70	17.71	45
125	1.98	0.21	0.09	0.30	1.68	10.61	42
126	1.85	0.42	0.18	0.60	1.25	22.70	46
127	2.08	0.66	0.11	0.77	1.31	31.73	43
128	1.49	0.00	0.32	0.32	1.17	0.00	51
129	1.75	0.69	0.00	0.69	1.06	39.43	39
130	3.51	0.85	0.28	1.13	2.38	24.22	45
131	1.80	0.33	0.11	0.44	1.36	18.33	43
132	1.32	0.33	0.14	0.47	0.85	25.00	47
133	1.42	0.33	0.14	0.47	0.95	23.24	46
134	2.08	0.50	0.21	0.71	1.37	24.04	46
135	1.60	0.58	0.07	0.65	0.95	36.25	43
TOTALS	71.52	13.99	4.79	18.78	52.74		

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Table 3A.2

AREA AND SCS METHOD "CN"
 GREATER PINES PHASES 2 & 3
 POST-DEVELOPMENT CONDITION
 CPH JOB No. G6765.04 12/22/1993 - REVISED 6/9/1994

PAGE 2

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	PERCENT DCIA (AS A %)	"CN" FOR NDCIA AND PERVIOUS AREA
200	22.35	0.00	0.00	0.00	22.35	0.00	39
201	2.45	0.16	0.44	0.60	1.85	6.53	50
202	0.75	0.12	0.05	0.17	0.58	16.00	43
203	12.80	0.00	0.00	0.00	12.80	0.00	39
300	8.23	0.00	0.00	0.00	8.23	0.00	39
301	1.00	0.29	0.00	0.29	0.71	29.00	39
302	2.00	0.29	0.14	0.43	1.57	14.50	44
303	1.97	0.00	0.00	0.00	1.97	0.00	39
304	3.37	0.50	0.35	0.85	2.52	14.84	46
305	1.90	0.42	0.18	0.60	1.30	22.11	46
306	1.33	0.25	0.11	0.36	0.97	18.80	45
307	2.10	0.46	0.19	0.65	1.45	21.90	45
308	1.95	0.50	0.21	0.71	1.24	25.64	47
309	0.14	0.05	0.00	0.05	0.09	35.71	39
310	2.10	0.46	0.19	0.65	1.45	21.90	45
311	2.10	0.37	0.16	0.53	1.57	17.62	44
312	0.71	0.21	0.00	0.21	0.50	29.58	39
313	0.50	0.00	0.07	0.07	0.43	0.00	47
314	0.41	0.15	0.04	0.19	0.22	36.59	48
315	2.28	0.00	0.26	0.26	2.02	0.00	45
H	11.04	2.32	0.98	3.30	7.74	21.01	45
I	11.80	1.65	0.48	2.13	9.67	13.98	42
J	21.10	2.07	0.88	2.95	18.15	9.81	42
K	24.60	0.91	0.39	1.30	23.30	3.70	40
TOTALS	138.98	11.18	5.12	16.30	122.68		

NOTES:

1. DCIA = DIRECTLY CONNECTED IMPERVIOUS AREA, i.e. IMPERVIOUS AREA DIRECTLY CONNECTED TO THE STORM DRAINAGE SYSTEM WITHOUT FLOW OVER ANY PERVIOUS AREA.
2. NDCIA = IMPERVIOUS AREA NOT DIRECTLY CONNECTED TO THE STORM SYSTEM, BUT WHICH DISCHARGES OVER A PERVIOUS AREA PRIOR TO ENTRY INTO THE STORM DRAINAGE SYSTEM.
3. AREA OF IMPERVIOUS = DCIA + NDCIA.
4. PERCENT DCIA COMPUTED BY DIVIDING AREA DCIA BY THE TOTAL BASIN AREA.
5. SCS "CN" FOR PERVIOUS AND NDCIA COMPUTED BY DIVIDING THE SUM OF THE PRODUCTS OF THE PERVIOUS AREA TIMES A CN OF 39 AND THE NDCIA AREA TIMES A CN OF 95, BY THE SUM OF THE SAME TWO AREAS.

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Table 3A.2

AREA AND SCS METHOD "CN"
GREATER PINES PHASES 5-7
G6765.07

POST DEVELOPMENT

IMPERVIOUS CN =	95.00	ON SITE PERVIOUS CN =	39
		UNDEVELOPED CN =	48

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	PERCENT DCIA (AS A %)	"CN" FOR NDCIA AND PERVIOUS AREA
Basin-2	5.34	0.92	0.22	1.14	4.20	17.26	42
Basin-3	3.48	0.55	0.15	0.70	2.78	15.68	42
Basin-4A	21.26	3.25	0.94	4.19	17.07	15.28	42
Basin-4B	24.71	4.01	1.03	5.04	19.67	16.22	42
Basin-4C	2.31	0.42	0.10	0.53	1.78	18.32	42
Lost Lake	18.68	18.68	0.00	18.68	0.00	100.00	95
OFF-1	26.54	0.00	0.00	0.00	26.54	0.00	48
OFF-2	2.58	0.00	0.00	0.00	2.58	0.00	48
OFF-3	1.51	0.00	0.00	0.00	1.51	0.00	48
OFF-4	15.71	0.00	0.00	0.00	15.71	0.00	48
OFF-5	52.68	0.00	0.00	0.00	52.68	0.00	48
OFF-6	45.52	0.00	0.00	0.00	45.52	0.00	48
OFF-7	40.59	0.00	0.00	0.00	40.59	0.00	48
OFF-8	90.24	0.00	0.00	0.00	90.24	0.00	48
Pond 2	5.44	0.00	0.04	0.04	5.40	0.00	39
Pond 3	4.64	0.00	0.04	0.04	4.60	0.00	40
Pond 4	5.77	0.00	0.00	0.00	5.77	0.00	39

Table 3.2

POST DEVELOPMENT AREAS

BASIN	AREA (acres)		
	ONSITE	OFFSITE	TOTAL
Basin-2	5.34	0.00	5.34
Basin-3	3.48	0.00	3.48
Basin-4A	21.26	0.00	21.26
Basin-4B	24.71	0.00	24.71
Basin-4C	2.31	0.00	2.31
Lake	10.05	8.63	18.68
8-1	1.78	0.00	1.78
8-2	1.80	0.00	1.80
8-3	2.27	0.00	2.27
8-4	7.73	0.00	7.73
8-5	12.10	0.00	12.10
9-1	23.50	0.00	23.50
10-1	18.15	0.00	18.15
Pond 5	2.15	0.00	2.15
Pond 6	10.64	0.00	10.64
Off-1 Post	0.00	16.21	16.21
Off-2 Post	0.00	22.56	22.56
Off-3 Post	0.00	8.50	8.50
Off-4 Post	0.00	28.38	28.38
Off-5 Post	0.00	3.77	3.77
Off-6 Post	0.00	40.71	40.71
Off-7 Post	0.00	6.74	6.74
Off-8 Post	0.00	68.38	68.38
Pond 2	5.44	0.00	5.44
Pond 3	4.64	0.00	4.64
Pond 4	5.77	0.00	5.77
H (Pond-1B)	11.04	0.00	11.04
I (Pond-1A)	7.50	4.30	11.80
J	17.60	3.50	21.10
K	6.20	18.40	24.60
Trib Pond-1A	4.97	0.00	4.97
Trib Pond-1B	56.95	0.00	56.95
exist 200's	3.20	0.00	3.20
exist 300's	23.86	0.00	23.86
Pond-1A	2.16	0.00	2.16
Pond-1B	7.44	0.00	7.44
TOTAL	304.04	230.08	534.12

PROJECT 90.17

TABLE 3.3
TIME OF CONCENTRATION
POST-DEVELOPED CONDITION
ALL-PHASE CONSTRUCTION

GREATER PINES 8-10
CPH JOB No. G6765.08C DATE : 02/14/00

BASIN No	PATH L (ft)	FIRST 300' OF PATH							REMAINING PATH							TIME Tt (min)
		L1-G (ft)	S1-G (ft/ft)	T1-G (min)	L1-C (ft)	S1-C (ft/ft)	T1-C (min)	L2-G (ft)	S2-G (ft/ft)	T2-G (min)	L2-C (ft)	S2-C (ft/ft)	T2-C (min)			
8-1	300.0	300.0	0.100	10.0	0.0	0.000	0.0	0.0	0.0	0.0	0.000	0.0	0.0	0.0	0.0	10.0
8-2	260.0	260.0	0.100	8.9	0.0	0.000	0.0	0.0	0.0	0.0	0.000	0.0	0.0	0.0	0.0	10.0
8-3	187.0	187.0	0.073	7.8	0.0	0.000	0.0	0.0	0.0	0.0	0.000	0.0	0.0	0.0	0.0	10.0
8-4	420.0	300.0	0.039	14.5	0.0	0.000	0.0	120.0	0.1	0.3	0.000	0.0	0.0	0.000	0.0	14.9
8-5	620.0	270.0	0.093	9.4	0.0	0.000	0.0	0.0	0.0	0.0	0.000	0.0	350.0	0.057	1.2	10.6
9-1	640.0	300.0	0.039	14.5	0.0	0.000	0.0	340.0	0.1	1.1	0.000	0.0	0.0	0.000	0.0	15.7
10-1	630.0	300.0	0.100	10.0	0.0	0.000	0.0	20.0	0.1	0.1	0.000	0.0	0.0	0.000	0.0	11.7
Lake	0.0			0.0	0.0	0.000	0.0			0.0						10.0
Off-1 Post	1100.0	300	0.037	14.9	0.0	0.000	0.0	500	0.013	4.5	0.006	0.0	300	0.006	3.2	22.6
Off-2 Post	2080.0	300	0.05	13.2	0.0	0.000	0.0	1700	0.06	7.2	0.016	0.0	80	0.016	0.5	20.9
Off-3 Post	1696.0	300	0.09	10.4	0.0	0.000	0.0	956	0.08	3.5	0.026	0.0	440	0.026	2.2	16.1
Off-4 Post	2158.0	300	0.053	12.9	0.0	0.000	0.0	157.8	0.058	6.8	0.019	0.0	280	0.019	1.7	21.3
Off-5 Post	1418.0	300	0.053	12.9	0.0	0.000	0.0	1118	0.124	3.3	0.000	0.0	0	0.000	0.0	16.1
Off-6 Post	1850.0	300	0.033	15.5	0.0	0.000	0.0	1550	0.045	7.5	0.000	0.0	0	0.000	0.0	23.1
Off-7 Post	950.0	300	0.05	13.2	0.0	0.000	0.0	650	0.088	2.3	0.000	0.0	0	0.000	0.0	15.4
Off-8 Post	3834.0	300	0.027	16.8	0.0	0.000	0.0	3234	0.022	22.5	0.031	0.0	300	0.031	1.4	40.8
Pond 5	60.0	60	0.14	2.4	0.0	0.000	0.0	0	0	0.0	0.000	0.0	0	0.000	0.0	10.0
Pond 6	96.0	96	0.33	2.5	0.0	0.000	0.0	0	0	0.0	0.000	0.0	0	0.000	0.0	10.0

NOTES:

- a) L1-G, S1-G & T1-G ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.
- b) L1-C, S1-C & T1-C ARE LENGTH, SLOPE AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN 1ST 300 FT, USING SHEET FLOW FORMULAE FROM SCS TR55.
- c) L2-G & T2-G ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER GRASS IN REMAINING PATH LENGTH WHERE V=16.1345*(S)^{0.5} (PERTR-55 PAGE F-1).
- d) L2-C & T2-C ARE LENGTH AND COMPUTED TIME OF TRAVEL FOR RUNOFF OVER PAVED IN REMAINING PATH LENGTH WHERE V=20.3282*(S)^{0.5} (PER TR-55 PAGE F-1).
- e) TRAVEL TIME (Tt) IS THE SUM OF TIME FOR FIRST 300 FT PLUS TIME FOR REMAINING PATH OR 10 MINUTE MINIMUM PER FDOT.

$T1-C \& G = \{0.007/(nL)^{0.8}\} / \{(P)^{0.5}(s)^{0.4}\}$

Where:

- T = Time (hrs)
- L = Length (ft)
- s = slope (ft/ft)
- P = 2yr - 24hr Rainfall (in)
- n = Manning's roughness coefficient

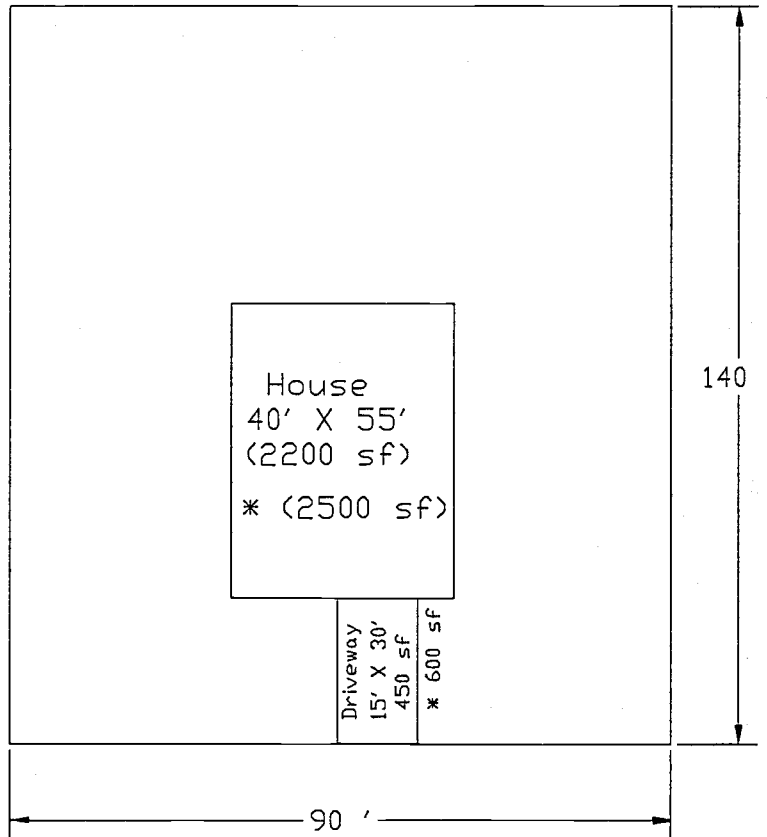
Assumptions:

- n = 0.011 for concrete
- n = 0.15 for grass
- P = 4.92 in.

LOT LAYOUT

(typical)

NOT TO SCALE



20' Setback:
Front and Rear

5' Setback:
Rear for pool &
screen enclosure

5' Setback:
Sides

Impervious Areas:

Driveway	450 sf	* Driveway	600 sf
House	2200 sf	House	2500 sf
TOTAL	2650 sf	TOTAL	3100 sf

Lot 90' X 140' = 12,600sf

DCIA:

45% OF HOUSE
100% OF DRIVEWAY
50% OF SIDEWALK
100% OF ROADWAY

NDCIA:

55% OF HOUSE
50% OF SIDEWALK

* PHASE 10 15-1 ACRE LOTS

Table 3.4
DCIA & NDCIA TABLE
BASIN ANALYSIS

BASIN NO	AREA ACRES	ROAD ACRES	SIDE-WALK ACRES	NO. LOTS	HOUSE AREA ACRES	NO. DRIVES	DRIVE AREA ACRES	RETENTION ACRES	DEVELOPED AREA ACRES	IMPERV. DCIA ACRES	%DCIA	IMPERV. NDCIA ACRES	PERVIOUS ACRES	COMPOSITE CN	% IMPERV.
8-1	1.78	0	0	8	0.30	8	0.06	0	1.780	0.164	9.23	0.201	1.415	54	20.51
8-2	1.80	0	0	6	0.30	6	0.06	0	1.800	0.164	9.13	0.201	1.435	54	20.28
8-3	2.27	0	0	7	0.35	7	0.07	0	2.270	0.192	8.44	0.234	1.844	53	18.76
8-4	7.73	2	0.3	22	0.71	14	0.14	0	7.730	2.533	32.77	0.618	4.578	54	40.77
8-5	12.10	1.45	0.39	22	1.11	22	0.23	0	12.100	2.247	18.57	0.931	8.922	52	26.27
9-1	23.50	2.15	0.57	56	2.83	56	0.58	0	23.500	3.968	16.89	2.159	17.373	53	26.07
10-1	18.15	0.84	0.24	15	0.86	15	0.21	0	18.150	1.440	7.94	0.707	16.003	50	11.83
Lake	10.05	0	0	0	0.00	0	0.00	0	0.000	10.050	100.00	0.000	0.000	100	100.00
Off-1 Post	16.21	0	0	0	0.00	0	0.00	0	16.210	0.000	0.00	0.000	16.210	48	0.00
Off-2 Post	22.56	0	0	0	0.00	0	0.00	0	22.560	0.000	0.00	0.000	22.560	48	0.00
Off-3 Post	8.50	0	0	0	0.00	0	0.00	0	8.500	0.000	0.00	0.000	8.500	48	0.00
Off-4 Post	28.38	0	0	0	0.00	0	0.00	0	28.380	0.000	0.00	0.000	28.380	48	0.00
Off-5 Post	3.77	0	0	0	0.00	0	0.00	0	3.770	0.000	0.00	0.000	3.770	48	0.00
Off-6 Post	40.71	0	0	0	0.00	0	0.00	0	40.710	0.000	0.00	0.000	40.710	48	0.00
Off-7 Post	6.74	0	0	0	0.00	0	0.00	0	6.740	0.000	0.00	0.000	6.740	48	0.00
Off-8 Post	63.98	0	0	0	0.00	0	0.00	0	63.980	0.000	0.00	0.000	63.980	48	0.00
Pond 5	2.15	0	0	0	0.00	0	0.00	0	0.000	0.000	0.00	0.000	2.150	39	0.00
Pond 6	10.64	0	0	0	0.00	0	0.00	0	0.000	0.000	0.00	0.000	10.640	39	0.00
retention	12.79	AC						12.79							
TOTAL	285.42	AC													

PROJECT 90.17 AC

* FOR 15-1 ACRE LOTS - BASIN 10-1

IMPERVIOUS(DCIA) = 100% of Roads + 50% of Sidewalks + 45% of lot impervious area
 %DCIA = (DCIA)/(total area)*100
 IMPERVIOUS(NDCIA) = 50% Of sidewalks + 55% of lot impervious area
 PERVIOUS AREA = total area - impervious DCIA - impervious NDCIA
 COMPOSITE CN = imp NDCIA * 95 + retention*39 + (previous-retention) * 48
 / NDCIA + (previous-retention) + retention
 %IMPERVIOUS = DCIA + NDCIA / total area * 100

SAMPLE CALCULATION:

BASIN 8-1
 IMPERVIOUS (DCIA) = 0.261*1 + 0.095*0.5 + (1.06+0.22)*.45 = 0.883 AC
 %DCIA = (0.883/10.0)*100 = 8.83%
 IMPERVIOUS(NDCIA) = 0.095*0.5 + (1.06+0.22)*0.55 = 0.750 AC
 PERVIOUS AREA = 10.00 - 0.883 - 0.750 = 8.36 AC
 COMPOSITE CN = 0.750 * 95 + 0.39 + (8.36-0)*48 / 0.750 + 8.36 = 52
 %IMPERVIOUS = ((0.883 + 0.750) / 10.00) * 100 = 16.34%

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TABLE 3.5
AREA AND SCS METHOD "CN"
GREATER PINES 8-10
CPH JOB No. G6765.08C DATE : 02/14/00
POST DEVELOPMENT CONDITION
FIRST-PHASE CONSTRUCTION

DEVELOPED AREA

		UNDEVELOPED CN =	48
IMPERVIOUS CN =	95	ON-SITE PERVIOUS CN =	39

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	PERCENT DCIA (AS A %)	"CN" FOR NDCIA AND PERVIOUS AREA
8-1	1.78	0.16	0.20	0.37	1.41	9.23	46
8-2	1.80	0.16	0.20	0.37	1.43	9.13	46
8-3	2.27	0.19	0.23	0.43	1.84	8.44	45
8-4	7.73	2.53	0.62	3.15	4.58	32.77	46
8-5	12.10	2.25	0.93	3.18	8.92	18.57	44
9-1	23.50	3.97	2.16	6.13	17.37	16.89	45
10-1	18.15	1.44	0.71	2.15	16.00	7.94	41
Lake	10.05	10.05	0.00	10.05	0.00	100.00	95
Off-1 Post	16.21	0.00	0.00	0.00	16.21	0.00	48
Off-2 Post	22.56	0.00	0.00	0.00	22.56	0.00	48
Off-3 Post	8.50	0.00	0.00	0.00	8.50	0.00	48
Off-4 Post	28.38	0.00	0.00	0.00	28.38	0.00	48
Off-5 Post	3.77	0.00	0.00	0.00	3.77	0.00	48
Off-6 Post	40.71	0.00	0.00	0.00	40.71	0.00	48
Off-7 Post	6.74	0.00	0.00	0.00	6.74	0.00	48
Off-8 Post	68.38	0.00	0.00	0.00	68.38	0.00	48
Pond 5	2.15	0.00	0.00	0.00	2.15	0.00	39
Pond 6	10.64	0.00	0.00	0.00	10.64	0.00	39
	285.42	10.71	5.05	15.76	51.57		

NOTES:

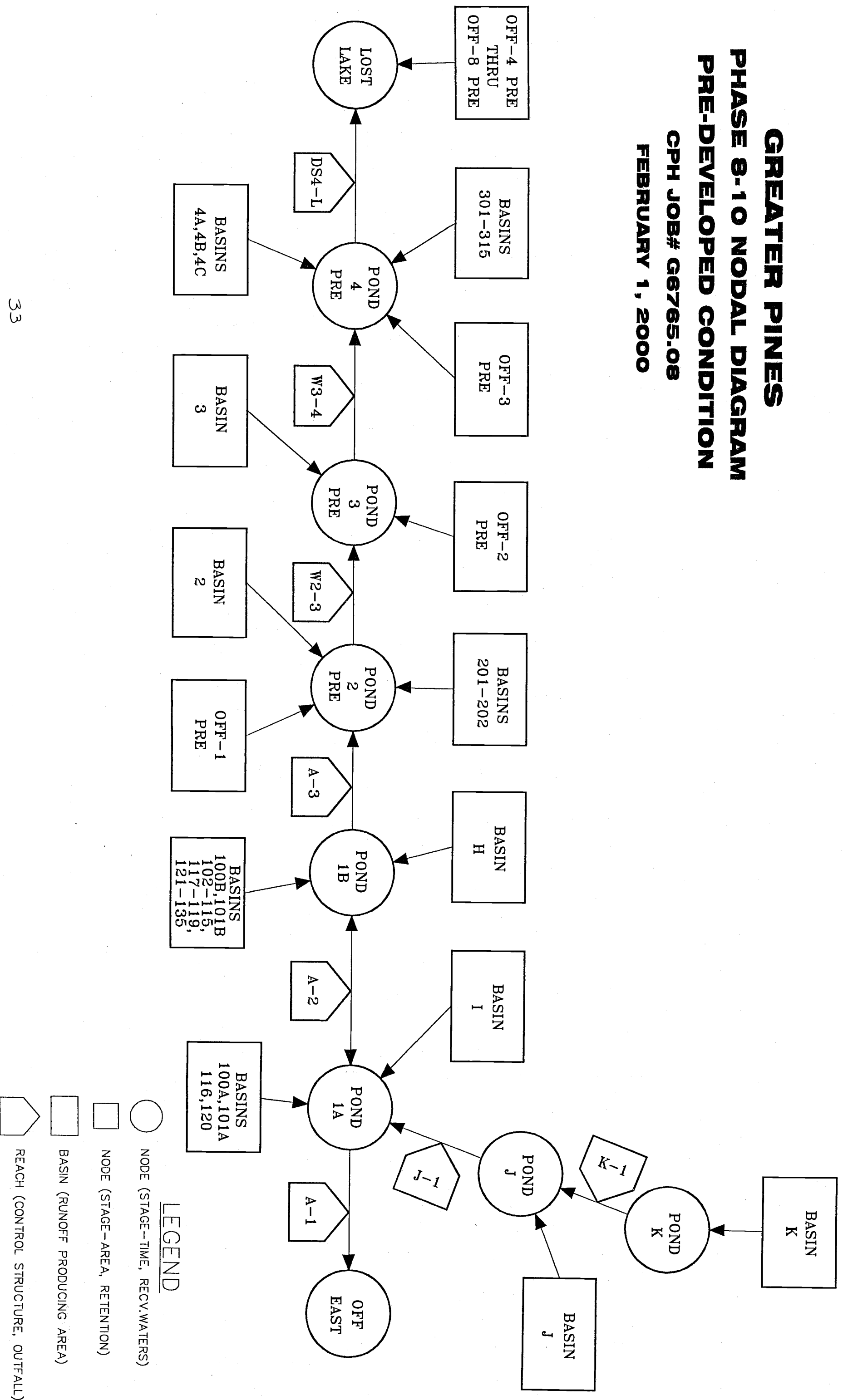
1. DCIA = DIRECTLY CONNECTED IMPERVIOUS AREA, I.e. IMPERVIOUS AREA DIRECTLY CONNECTED TO THE STORM DRAINAGE SYSTEM WITHOUT FLOW OVER ANY PERVIOUS AREA.
2. NDCIA = IMPERVIOUS AREA NOT DIRECTLY CONNECTED TO THE STORM SYSTEM, BUT WHICH DISCHARGES OVER A PERVIOUS AREA PRIOR TO ENTRY INTO THE STORM DRAINAGE SYSTEM.
3. AREA OF IMPERVIOUS = DCIA + NDCIA.
4. PERCENT DCIA COMPUTED BY DIVIDING AREA DCIA BY THE TOTAL BASIN AREA.
5. SCS "CN" FOR PERVIOUS AND NDCIA COMPUTED BY DIVIDING THE SUM OF THE PRODUCTS OF THE PERVIOUS AREA TIMES IT'S CN AND THE NDCIA AREA TIMES IT'S CN, BY THE SUM OF THE SAME TWO AREAS.

GREATER PINES

PHASE 8-10 NODAL DIAGRAM

PRE-DEVELOPED CONDITION

CPH JOB# G6765.08
FEBRUARY 1, 2000



LEGEND

- NODE (STAGE-TIME, RECV. WATERS)
- NODE (STAGE-AREA, RETENTION)
- ▭ BASIN (RUNOFF PRODUCING AREA)
- ▤ REACH (CONTROL STRUCTURE, OUTFALL)

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Node-----

Name: LOSTLAKE Base Flow(cfs): 0 Init Stage(ft): 83
Group: BASE Length(ft): 0 Warn Stage(ft): 92
Comment:

Stage(ft)	Area(ac)
83	18.68
84	19.84
84.01	19.841
85	21.2
86	22.44
87	23.67
88	24.91
89	26.14
90	27.38
91	28.58
92	29.77
93	30.97
94	32.16
95	33.36

-----Class: Node-----

Name: OFFEAST Base Flow(cfs): 0 Init Stage(ft): 136
Group: BASE Length(ft): 0 Warn Stage(ft): 137
Comment:

Time(hrs)	Stage(ft)
0	136
12	136
24	136

-----Class: Node-----

Name: POND-1A Base Flow(cfs): 0 Init Stage(ft): 132
Group: BASE Length(ft): 0 Warn Stage(ft): 138
Comment:

Stage(ft)	Area(ac)
132	1.01
133	1.08
134	1.15
135	1.26
136	1.37
137	1.61
138	1.93

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Node-----
Name: POND-1B Base Flow(cfs): 0 Init Stage(ft): 132
Group: BASE Length(ft): 0 Warn Stage(ft): 138
Comment:

Stage(ft)	Area(ac)
132	1.93
133	2.25
134	3.67
135	4.7
136	5.4
137	5.74
138	6.34

-----Class: Node-----
Name: POND-J Base Flow(cfs): 0 Init Stage(ft): 138
Group: BASE Length(ft): 0 Warn Stage(ft): 144
Comment:

Stage(ft)	Volume(af)	Bottom Area(ac):
138	0	0.08
142	1.3	
143	1.83	
144	2.46	

-----Class: Node-----
Name: POND-K Base Flow(cfs): 0 Init Stage(ft): 164
Group: BASE Length(ft): 0 Warn Stage(ft): 168
Comment:

Stage(ft)	Volume(af)	Bottom Area(ac):
164	0	0.08
165	0.24	
166	0.55	
167	0.94	
168	1.41	

-----Class: Node-----
Name: POND2PRE Base Flow(cfs): 0 Init Stage(ft): 110
Group: BASE Length(ft): 0 Warn Stage(ft): 120
Comment:

Stage(ft)	Area(ac)
110	0.96
118.5	1.98
120	2.16

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Node-----
Name: POND3PRE Base Flow(cfs): 0 Init Stage(ft): 95
Group: BASE Length(ft): 0 Warn Stage(ft): 105
Comment:

Stage(ft)	Area(ac)
95	1.13
104.5	1.81
105	1.89

-----Class: Node-----
Name: POND4PRE Base Flow(cfs): 0 Init Stage(ft): 86
Group: BASE Length(ft): 0 Warn Stage(ft): 95
Comment:

Stage(ft)	Area(ac)
86	2.2
93.6	3.2
95	3.38

-----Class: Basin-----
Basin: 100A Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.16
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 100B Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 7.44
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 101A Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.15
 Curve #: 48 Concentration Time(min): 26.9
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 101B Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 4.18
 Curve #: 48 Concentration Time(min): 12.5
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 102 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.07
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 42.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 103 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.62
 Curve #: 43 Concentration Time(min): 16.8
 DCIA(%): 12.9 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 104 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.6
 Curve #: 44 Concentration Time(min): 20.8
 DCIA(%): 22.3 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 105 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.26
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 38.5 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 106 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.82
 Curve #: 40 Concentration Time(min): 13
 DCIA(%): 20.6 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 107 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.62
 Curve #: 39 Concentration Time(min): 15.2
 DCIA(%): 51.2 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 108 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.6
Curve #: 45 Concentration Time(min): 17.5
DCIA(%): 20 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 109 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.95
Curve #: 42 Concentration Time(min): 13.6
DCIA(%): 31.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 110 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.82
Curve #: 46 Concentration Time(min): 15.5
DCIA(%): 13.7 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 111 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.4
Curve #: 47 Concentration Time(min): 14.1
DCIA(%): 13.8 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 112 Node: POND-1B Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.28
Curve #: 39 Concentration Time(min): 13.5
DCIA(%): 39.1 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 113 Node: POND-1B Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.94
Curve #: 45 Concentration Time(min): 13.6
DCIA(%): 26.6 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 114 Node: POND-1B Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.34
Curve #: 44 Concentration Time(min): 14.8
DCIA(%): 30.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 115 Node: POND-1B Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.65
Curve #: 47 Concentration Time(min): 13.6
DCIA(%): 20 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 116 Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.17
 Curve #: 41 Concentration Time(min): 22.2
 DCIA(%): 43.3 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 117 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.94
 Curve #: 39 Concentration Time(min): 12.7
 DCIA(%): 53.2 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 118 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.7
 Curve #: 47 Concentration Time(min): 19.1
 DCIA(%): 14.6 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 119 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.28
 Curve #: 46 Concentration Time(min): 12.6
 DCIA(%): 22.7 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----
Basin: 120 Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.65
 Curve #: 39 Concentration Time(min): 23.5
 DCIA(%): 40 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 121 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.25
 Curve #: 45 Concentration Time(min): 19.1
 DCIA(%): 20 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 122 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.67
 Curve #: 43 Concentration Time(min): 10
 DCIA(%): 15 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 123 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.12
 Curve #: 44 Concentration Time(min): 18.4
 DCIA(%): 15.2 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----
Basin: 124 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.96
 Curve #: 45 Concentration Time(min): 14.8
 DCIA(%): 17.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 125 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.98
 Curve #: 42 Concentration Time(min): 13.1
 DCIA(%): 10.6 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 126 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.85
 Curve #: 46 Concentration Time(min): 22
 DCIA(%): 22.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 127 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.08
 Curve #: 43 Concentration Time(min): 16.2
 DCIA(%): 31.7 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 128 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.49
 Curve #: 51 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 129 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.75
 Curve #: 39 Concentration Time(min): 33.1
 DCIA(%): 39.4 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 130 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.51
 Curve #: 45 Concentration Time(min): 14.5
 DCIA(%): 24.2 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 131 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.8
 Curve #: 43 Concentration Time(min): 24.7
 DCIA(%): 18.3 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 132 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.32
Curve #: 47 Concentration Time(min): 20.3
DCIA(%): 25 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 133 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.42
Curve #: 46 Concentration Time(min): 18.9
DCIA(%): 23.2 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 134 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.08
Curve #: 46 Concentration Time(min): 24.1
DCIA(%): 24.04 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 135 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.6
Curve #: 43 Concentration Time(min): 13.6
DCIA(%): 36.3 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 201 Node: POND2PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.45
Curve #: 50 Concentration Time(min): 10
DCIA(%): 6.5 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 202 Node: POND2PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.75
Curve #: 43 Concentration Time(min): 20.6
DCIA(%): 16 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 301 Node: POND4PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1
Curve #: 39 Concentration Time(min): 10
DCIA(%): 29 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 302 Node: POND4PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2
Curve #: 44 Concentration Time(min): 10.9
DCIA(%): 14.5 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 303 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.97
 Curve #: 39 Concentration Time(min): 17.6
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 304 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.37
 Curve #: 46 Concentration Time(min): 12
 DCIA(%): 14.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 305 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.9
 Curve #: 46 Concentration Time(min): 15
 DCIA(%): 22.1 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 306 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.33
 Curve #: 45 Concentration Time(min): 10.2
 DCIA(%): 18.8 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 307 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.1
 Curve #: 45 Concentration Time(min): 16.8
 DCIA(%): 21.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 308 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.95
 Curve #: 47 Concentration Time(min): 23.4
 DCIA(%): 25.6 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 309 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.14
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 35.7 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 310 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.1
 Curve #: 45 Concentration Time(min): 14
 DCIA(%): 21.9 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 311 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.1
 Curve #: 44 Concentration Time(min): 22.7
 DCIA(%): 17.62 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 312 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.71
 Curve #: 39 Concentration Time(min): 14.7
 DCIA(%): 29.62 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 313 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.5
 Curve #: 47 Concentration Time(min): 10.7
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 314 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.41
 Curve #: 48 Concentration Time(min): 10
 DCIA(%): 36.6 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: 315 Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.28
 Curve #: 45 Concentration Time(min): 28
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-2 Node: POND2PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 5.34
 Curve #: 42 Concentration Time(min): 14.6
 DCIA(%): 17 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-3 Node: POND3PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.48
 Curve #: 42 Concentration Time(min): 12.5
 DCIA(%): 16 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-4A Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 21.26
 Curve #: 42 Concentration Time(min): 16.2
 DCIA(%): 15 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: BASIN-4B Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 24.71
Curve #: 42 Concentration Time(min): 10
DCIA(%): 16 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-4C Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.31
Curve #: 42 Concentration Time(min): 12.4
DCIA(%): 18 Lag Time(hrs): 0

-----Class: Basin-----

Basin: H Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 11.04
Curve #: 45 Concentration Time(min): 18.1
DCIA(%): 21 Lag Time(hrs): 0

-----Class: Basin-----

Basin: I Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 11.8
Curve #: 42 Concentration Time(min): 45
DCIA(%): 14 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: J Node: POND-J Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 21.1
 Curve #: 42 Concentration Time(min): 24.8
 DCIA(%): 9.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: K Node: POND-K Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 24.6
 Curve #: 40 Concentration Time(min): 55.6
 DCIA(%): 3.7 Lag Time(hrs): 0

-----Class: Basin-----

Basin: LAKE Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 18.68
 Curve #: 95 Concentration Time(min): 10
 DCIA(%): 100 Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF1PRE Node: POND2PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 26.54
 Curve #: 48 Concentration Time(min): 20.7
 DCIA(%): 0 Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: OFF2PRE Node: POND3PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 2.58

Curve #: 48

Concentration Time(min): 11.7

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF3PRE Node: POND4PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 1.51

Curve #: 48

Concentration Time(min): 12.4

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF4PRE Node: LOSTLAKE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 15.71

Curve #: 48

Concentration Time(min): 17.2

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF5PRE Node: LOSTLAKE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 52.68

Curve #: 48

Concentration Time(min): 23.3

DCIA(%): 0

Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----

Basin: OFF6PRE Node: LOSTLAKE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 45.52

Curve #: 48

Concentration Time(min): 22.7

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF7PRE Node: LOSTLAKE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 40.59

Curve #: 48

Concentration Time(min): 23

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF8PRE Node: LOSTLAKE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 90.24

Curve #: 48

Concentration Time(min): 41.7

DCIA(%): 0

Lag Time(hrs): 0

-----Class: Basin-----

Basin: POND2PRE Node: POND2PRE Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96

Rainfall Amount(in): 11.9 Time Increment(min): 1

Area(ac): 5.44

Curve #: 39

Concentration Time(min): 10

DCIA(%): 0

Lag Time(hrs): 0

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Basin-----
Basin: POND3PRE Node: POND3PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 4.64
 Curve #: 40 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: POND4PRE Node: POND4PRE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 5.773
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Weir-----
Name: A-1 From Node: POND-1A
Group: BASE To Node: OFFEAST
Count: 1

Type: Mavis Flow: Both Geometry: Parabolic

 Top Width(ft): 100
 Depth(ft): 0.5
 Invert(ft): 138.5
 Control Elev(ft): 138.5
Structure Opening(ft): 999 TABLE
 Bottom Clip(ft): 0
 Top Clip(ft): 0
 Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Weir-----

Name: A-2 From Node: POND-1A
Group: BASE To Node: POND-1B
Count: 1

Type: Fread Flow: Both Geometry: Parabolic

Top Width(ft): 30
Depth(ft): 0.5
Invert(ft): 134
Control Elev(ft): 134
Structure Opening(ft): 999 TABLE
Bottom Clip(ft): 0
Top Clip(ft): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Weir-----

Name: K-1 From Node: POND-K
Group: BASE To Node: POND-J
Count: 1

Type: Mavis Flow: Both Geometry: Parabolic

Top Width(ft): 30
Depth(ft): 1
Invert(ft): 168
Control Elev(ft): 168
Structure Opening(ft): 999 TABLE
Bottom Clip(ft): 0
Top Clip(ft): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Weir-----

Name: W2-3 From Node: POND2PRE
Group: BASE To Node: POND3PRE
Count: 1

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 360
Rise(in): 999
Invert(ft): 118.5
Control Elev(ft): 118.5

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Weir-----

Name: W3-4 From Node: POND3PRE
Group: BASE To Node: POND4PRE
Count: 1

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 300
Rise(in): 999
Invert(ft): 104
Control Elev(ft): 104

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Drop Structure-----

Name: A-3 From Node: POND-1B Length(ft): 540
Group: BASE To Node: POND2PRE Count: 1

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular

	UPSTREAM	DOWNSTREAM
Span(in):	36	36
Rise(in):	36	36
Invert(ft):	132	115
Manning's N:	0.013	0.013
Top Clip(in):	0	0
Bottom Clip(in):	0	0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

*** Weir 1 of 1 for Drop Structure A-3 *** [TABLE]

Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3.2
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 228 Invert(ft): 137
Rise(in): 999 Control Elev(ft): 137

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Drop Structure-----

Name: DS4-L From Node: POND4PRE Length(ft): 165
Group: BASE To Node: LOSTLAKE Count: 2

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular

	UPSTREAM	DOWNSTREAM
Span(in):	30	30
Rise(in):	30	30
Invert(ft):	87	85
Manning's N:	0.013	0.013
Top Clip(in):	0	0
Bottom Clip(in):	0	0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

*** Weir 1 of 1 for Drop Structure DS4-L *** [TABLE]

Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 236 Invert(ft): 93.6
Rise(in): 999 Control Elev(ft): 93.6

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Drop Structure-----

Name: J-1 From Node: POND-J Length(ft): 220
Group: BASE To Node: POND-1A Count: 1

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular
 UPSTREAM DOWNSTREAM

Span(in): 48 48
Rise(in): 48 48
Invert(ft): 134.2 132
Manning's N: 0.013 0.013
Top Clip(in): 0 0
Bottom Clip(in): 0 0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

*** Weir 1 of 1 for Drop Structure J-1 *** [TABLE]

Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3.2
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 228 Invert(ft): 142.5
Rise(in): 999 Control Elev(ft): 142.5

Greater Pines Phases 8-10 Pre Condition

02/02/00

***** Input Report *****

-----Class: Simulation-----
C:\ICPR2\G6765.08\PREDEV\10096PRE
Execution: Both
Header: GREATER PINES PHASES 8-10
PRE DEV CONDITION
02/02/00

-----HYDRAULICS----- -----HYDROLOGY-----
Max Delta Z (ft): 1
Delta Z Factor: 0.01 Override Defaults: Yes
Time Step Optimizer: 1 Storm Dur(hrs): 96
Drop Structure Optimizer: 10 Rain Amount(in): 14.8
Sim Start Time(hrs): 0 Rainfall File: SJRWMD96
Sim End Time(hrs): 96
Min Calc Time(sec): 0.5
Max Calc Time(sec): 300
To Hour: PInc(min): To Hour: PInc(min):
96 15 96 15

-----GROUP SELECTIONS-----
+ BASE [02/02/00]
-----Class: Simulation-----
C:\ICPR2\G6765.08\PREDEV\2524PRE
Execution: Both
Header: GREATER PINES PHASES 8-10
PRE DEV CONDITION
02/02/00

-----HYDRAULICS----- -----HYDROLOGY-----
Max Delta Z (ft): 1
Delta Z Factor: 0.01 Override Defaults: Yes
Time Step Optimizer: 1 Storm Dur(hrs): 24
Drop Structure Optimizer: 10 Rain Amount(in): 8.6
Sim Start Time(hrs): 0 Rainfall File: SCSIII
Sim End Time(hrs): 24
Min Calc Time(sec): 0.5
Max Calc Time(sec): 300
To Hour: PInc(min): To Hour: PInc(min):
24 15 24 15

-----GROUP SELECTIONS-----
+ BASE [02/02/00]

Greater Pines Phases 8-10 Pre Condition

3/01/00

***** Input Report: Simulations *****

C:\ICPR2\G6765.08\PREDEV\2596PRE

Execution: Both

Header: GREATER PINES PHASES 8-10

PRE DEV CONDITION

02/02/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Time Step Optimizer: 10

Drop Structure Optimizer: 10

Sim Start Time(hrs): 0

Sim End Time(hrs): 96

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

96 15

Override Defaults: Yes

Storm Dur(hrs): 96

Rain Amount(in): 11.9

Rainfall File: SJRWMD96

To Hour: PInc(min):

96 15

-----GROUP SELECTIONS-----

+ BASE [02/02/00]

C:\ICPR2\G6765.08\PREDEV\10024PRE

Execution: Both

Header: GREATER PINES PHASES 8-10

PRE DEV CONDITION

03/01/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Time Step Optimizer: 10

Drop Structure Optimizer: 10

Sim Start Time(hrs): 0

Sim End Time(hrs): 24

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

24 15

Override Defaults: Yes

Storm Dur(hrs): 24

Rain Amount(in): 10.4

Rainfall File: SCSIII

To Hour: PInc(min):

24 15

-----GROUP SELECTIONS-----

+ BASE [03/01/00]

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	12.23	12.23	12.23	12.23	12.22
Flow Max (cfs):	2.19	7.54	1.42	7.50	0.21
Runoff Volume (in):	1.42	1.42	2.40	2.40	4.46
Runoff Volume (cf):	11119	38299	10006	36370	1132

Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	12.23	12.23	12.22	12.23	12.22
Flow Max (cfs):	1.01	4.88	0.72	5.28	4.87
Runoff Volume (in):	2.70	3.41	4.14	2.96	5.04
Runoff Volume (cf):	6080	32202	3912	30297	29662

Basin Name:	108	109	110	111	112
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GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	12.23	12.22	12.23	12.23	12.22
Flow Max (cfs):	1.21	4.78	3.56	5.06	3.31
Runoff Volume (in):	3.35	3.89	3.04	3.14	4.19
Runoff Volume (cf):	7295	27508	20081	27375	19455

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	12.22	12.23	12.23	12.23	12.22
Flow Max (cfs):	2.30	5.79	3.88	5.22	3.06
Runoff Volume (in):	3.77	3.97	3.53	4.60	5.19
Runoff Volume (cf):	12879	33710	21128	36262	17695

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	12.23	12.22	12.23	12.23	12.22
Flow Max (cfs):	7.02	3.12	3.53	2.42	3.40
Runoff Volume (in):	3.19	3.61	4.25	3.35	2.84
Runoff Volume (cf):	42871	16769	25460	15198	17224

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	1.93	1.97	3.20	3.65	4.93
Runoff Volume (in):	2.95	3.20	2.45	3.61	3.95
Runoff Volume (cf):	11982	11156	17622	24236	29847

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PRE	POND2PRE
Hydrograph Type:	SB	SB	SB	SB	SB

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	12.22	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.32	3.13	8.11	5.76	1.20
Runoff Volume (in):	2.74	4.21	3.62	3.01	2.91
Runoff Volume (cf):	14812	26734	46121	26734	7917

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	12.22	12.22	12.23	12.22	12.23
Flow Max (cfs):	2.32	4.10	1.51	7.32	4.33
Runoff Volume (in):	3.47	2.90	1.42	3.11	3.57
Runoff Volume (cf):	12603	21063	10141	38034	24629

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	12.22	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.12	4.43	4.03	0.37	4.73
Runoff Volume (in):	3.27	3.47	3.88	3.95	3.47
Runoff Volume (cf):	15798	26465	27434	2006	26465

	311	312	313	314	315
Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	12.23	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.45	1.50	0.89	1.34	2.25
Runoff Volume (in):	3.11	3.52	2.28	4.63	2.06
Runoff Volume (cf):	23674	9061	4146	6892	17064

	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	12.23	12.23	12.23	12.22	12.23
Flow Max (cfs):	9.64	6.48	35.24	49.14	4.50
Runoff Volume (in):	2.88	2.82	2.75	2.82	2.95
Runoff Volume (cf):	55920	35588	212190	252692	24757

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	12.23	12.25	12.23	12.25	12.22
Flow Max (cfs):	22.27	10.82	24.82	11.50	103.93
Runoff Volume (in):	3.41	2.68	2.40	1.78	8.50
Runoff Volume (cf):	136808	114875	183648	158995	576371

Basin Name:	OFF1PRE	OFF2PRE	OFF3PRE	OFF4PRE	OFF5PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	LOSTLAKE	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

Time of Conc. (min):	20.70	11.70	12.40	17.20	23.30
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	26.54	2.58	1.51	15.71	52.68
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	38.15	4.74	2.72	24.75	70.99
Runoff Volume (in):	2.40	2.40	2.40	2.40	2.40
Runoff Volume (cf):	230924	22449	13138	136692	458368

Basin Name:	OFF6PRE	OFF7PRE	OFF8PRE	POND2PRE	POND3PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	LOSTLAKE	POND2PRE	POND3PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	23.00	41.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	45.52	40.59	90.24	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.25	12.23	12.23
Flow Max (cfs):	62.24	55.10	83.44	5.51	5.17
Runoff Volume (in):	2.40	2.40	2.40	1.42	1.52
Runoff Volume (cf):	396068	353172	785175	28004	25641

Basin Name:	POND4PRE	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2524PRE *****

	5.77	1.80	1.32	1.42	2.08
Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	5.85	2.76	2.88	3.02	4.01
Runoff Volume (in):	1.42	3.06	3.84	3.64	3.69
Runoff Volume (cf):	29718	20000	18392	18766	27889

Basin Name: 135
 Group Name: BASE
 Node Name: POND-1B
 Hydrograph Type: SB

Spec Time Inc (min): 1.00
 Comp Time Inc (min): 1.00
 Rainfall File: SCSIII
 Rainfall Amount (in): 8.60
 Storm Duration (hr): 24.00
 Status: ONSITE
 Time of Conc. (min): 13.60
 Lag Time (hr): 0.00
 Area (acres): 1.60
 Curve Number: 43.00
 DCIA (%): 36.30

Time Max (hrs): 12.22
 Flow Max (cfs): 4.31
 Runoff Volume (in): 4.26
 Runoff Volume (cf): 24738

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	4.57	15.73	2.46	12.29	0.27
Runoff Volume (in):	3.15	3.15	4.61	4.61	6.86
Runoff Volume (cf):	24710	85112	19228	69888	1743

Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	1.61	7.08	0.95	7.98	6.07
Runoff Volume (in):	4.83	5.71	6.48	5.06	7.58
Runoff Volume (cf):	10876	53892	6117	51817	44570

Basin Name:	108	109	110	111	112
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GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	1.76	6.54	5.38	7.54	4.37
Runoff Volume (in):	5.66	6.23	5.31	5.46	6.53
Runoff Volume (cf):	12326	44125	35111	47573	30354

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	3.20	7.90	5.54	6.71	3.78
Runoff Volume (in):	6.17	6.38	5.92	7.08	7.75
Runoff Volume (cf):	21039	54161	35437	55772	26452

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	10.47	4.39	4.62	3.54	5.17
Runoff Volume (in):	5.52	5.99	6.61	5.66	5.00
Runoff Volume (cf):	74131	27836	39595	25678	30313

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.97	2.92	5.24	5.19	6.73
Runoff Volume (in):	5.15	5.48	4.50	5.99	6.34
Runoff Volume (cf):	20953	19106	32369	40232	47841

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PRE	POND2PRE
Hydrograph Type:	SB	SB	SB	SB	SB

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	59.98	60.00	59.98	59.98	59.98
Flow Max (cfs):	5.09	4.08	11.46	8.57	1.85
Runoff Volume (in):	5.08	6.56	5.98	5.37	5.08
Runoff Volume (cf):	27493	41665	76212	47772	13832

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	3.26	6.23	3.41	10.89	6.16
Runoff Volume (in):	5.66	5.10	3.15	5.40	5.95
Runoff Volume (cf):	20544	37018	22536	66025	41008

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.52	6.37	5.58	0.49	6.78
Runoff Volume (in):	5.57	5.80	6.33	6.24	5.80
Runoff Volume (cf):	26877	44251	44795	3171	44251

	311	312	313	314	315
Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	60.00
Flow Max (cfs):	5.22	2.11	1.48	1.72	4.24
Runoff Volume (in):	5.34	5.71	4.45	7.24	4.12
Runoff Volume (cf):	40733	14724	8069	10773	34132

	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	14.82	10.01	55.47	75.07	6.82
Runoff Volume (in):	5.03	4.94	4.86	4.94	5.11
Runoff Volume (cf):	97424	62459	375274	443493	42828

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	59.98	60.00	60.00	60.00	59.98
Flow Max (cfs):	32.26	17.81	42.40	24.67	113.48
Runoff Volume (in):	5.74	4.78	4.44	3.63	11.80
Runoff Volume (cf):	229866	204793	339946	323960	800105

Basin Name:	OFF1PRE	OFF2PRE	OFF3PRE	OFF4PRE	OFF5PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	LOSTLAKE	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Time of Conc. (min):	20.70	11.70	12.40	17.20	23.30
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	26.54	2.58	1.51	15.71	52.68
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	64.58	7.73	4.45	41.39	121.11
Runoff Volume (in):	4.61	4.61	4.61	4.61	4.61
Runoff Volume (cf):	443740	43137	25247	262666	880793

Basin Name:	OFF6PRE	OFF7PRE	OFF8PRE	POND2PRE	POND3PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	LOSTLAKE	POND2PRE	POND3PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	23.00	41.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	45.52	40.59	90.24	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	106.01	93.92	149.22	11.50	10.35
Runoff Volume (in):	4.61	4.61	4.61	3.15	3.31
Runoff Volume (cf):	761081	678651	1508784	62233	55817

Basin Name:	POND4PRE	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 2596PRE *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	12.20	4.20	4.01	4.27	5.66
Runoff Volume (in):	3.15	5.26	6.28	6.03	6.09
Runoff Volume (cf):	66042	34398	30111	31074	45994

 Basin Name: 135
 Group Name: BASE
 Node Name: POND-1B
 Hydrograph Type: SB

Spec Time Inc (min): 1.00
 Comp Time Inc (min): 1.00
 Rainfall File: SJRWMD96
 Rainfall Amount (in): 11.90
 Storm Duration (hr): 96.00
 Status: ONSITE
 Time of Conc. (min): 13.60
 Lag Time (hr): 0.00
 Area (acres): 1.60
 Curve Number: 43.00
 DCIA (%): 36.30

Time Max (hrs): 59.98
 Flow Max (cfs): 5.73
 Runoff Volume (in): 6.70
 Runoff Volume (cf): 38938

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	7.29	25.13	3.64	18.03	0.36
Runoff Volume (in):	4.99	4.99	6.80	6.80	9.15
Runoff Volume (cf):	39105	134694	28389	103189	2326

Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.35	10.01	1.30	11.52	8.09
Runoff Volume (in):	6.96	7.95	8.73	7.15	9.96
Runoff Volume (cf):	15655	75017	8236	73222	58570

Basin Name:	108	109	110	111	112
Basin Name:	108	109	110	111	112

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.49	9.06	7.70	10.71	5.99
Runoff Volume (in):	7.91	8.50	7.54	7.72	8.78
Runoff Volume (cf):	17225	60151	49846	67279	40817

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.44	10.91	7.75	9.07	5.01
Runoff Volume (in):	8.47	8.69	8.22	9.43	10.15
Runoff Volume (cf):	28897	73788	49260	74260	34648

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	14.90	6.13	6.33	5.01	7.46
Runoff Volume (in):	7.79	8.29	8.87	7.91	7.14
Runoff Volume (cf):	104592	38523	53139	35885	43300

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.29	4.15	7.76	7.27	9.31
Runoff Volume (in):	7.33	7.71	6.57	8.29	8.63
Runoff Volume (cf):	29807	26879	47221	55678	65140

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PRE	POND2PRE
Hydrograph Type:	SB	SB	SB	SB	SB

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	59.98	60.00	59.98	59.98	59.98
Flow Max (cfs):	7.29	5.60	16.01	12.15	2.69
Runoff Volume (in):	7.38	8.81	8.26	7.67	7.23
Runoff Volume (cf):	39890	55990	105307	68247	19688

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.59	8.96	5.54	15.49	8.62
Runoff Volume (in):	7.80	7.27	4.99	7.64	8.24
Runoff Volume (cf):	28328	52785	35665	93412	56840

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	6.38	8.97	7.74	0.68	9.52
Runoff Volume (in):	7.81	8.07	8.68	8.45	8.07
Runoff Volume (cf):	37690	61516	61425	4297	61516

	311	312	313	314	315
Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND4PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	60.00
Flow Max (cfs):	7.48	2.97	2.18	2.32	6.45
Runoff Volume (in):	7.54	7.86	6.61	9.69	6.21
Runoff Volume (cf):	57491	20268	11989	14424	51403

	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	POND4PRE	POND4PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	21.45	14.51	80.93	108.54	9.82
Runoff Volume (in):	7.15	7.06	6.97	7.06	7.24
Runoff Volume (cf):	138634	89197	537906	633351	60734

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	59.98	60.00	59.98	60.00	59.98
Flow Max (cfs):	45.53	26.34	63.46	39.33	141.14
Runoff Volume (in):	7.99	6.88	6.50	5.55	14.70
Runoff Volume (cf):	320336	294660	497640	495310	996706

Basin Name:	OFF1PRE	OFF2PRE	OFF3PRE	OFF4PRE	OFF5PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PRE	POND3PRE	POND4PRE	LOSTLAKE	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Time of Conc. (min):	20.70	11.70	12.40	17.20	23.30
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	26.54	2.58	1.51	15.71	52.68
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	95.42	11.32	6.53	61.00	179.26
Runoff Volume (in):	6.80	6.80	6.80	6.80	6.80
Runoff Volume (cf):	655176	63691	37276	387823	1300477

Basin Name:	OFF6PRE	OFF7PRE	OFF8PRE	POND2PRE	POND3PRE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	LOSTLAKE	POND2PRE	POND3PRE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	23.00	41.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	45.52	40.59	90.24	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	156.85	138.99	222.26	18.37	16.32
Runoff Volume (in):	6.80	6.80	6.80	4.99	5.20
Runoff Volume (cf):	1123721	1002021	2227695	98486	87501

Basin Name:	POND4PRE	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PRE	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Summary - 10096PRE *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	19.50	6.04	5.56	5.97	7.90
Runoff Volume (in):	4.99	7.44	8.63	8.33	8.40
Runoff Volume (cf):	104515	48588	41347	42950	63439

Basin Name: 135
 Group Name: BASE
 Node Name: POND-1B
 Hydrograph Type: SB

Spec Time Inc (min): 1.00
 Comp Time Inc (min): 1.00
 Rainfall File: SJRWMD96
 Rainfall Amount (in): 14.80
 Storm Duration (hr): 96.00
 Status: ONSITE
 Time of Conc. (min): 13.60
 Lag Time (hr): 0.00
 Area (acres): 1.60
 Curve Number: 43.00
 DCIA (%): 36.30

Time Max (hrs): 59.98
 Flow Max (cfs): 7.82
 Runoff Volume (in): 9.04
 Runoff Volume (cf): 52483

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Maximum Conditions - 2524PRE *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	23.99	86.01	92.00	0.0036	978026.99	12.25	389.61	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	20.11	137.06	138.00	0.0094	70946.10	12.71	28.91	12.80	10.32
POND-1B	BASE	20.13	137.06	138.00	0.0098	251525.22	12.25	135.04	20.13	8.92
POND-J	BASE	12.72	142.58	144.00	0.0100	22813.10	12.25	24.53	12.72	14.40
POND-K	BASE	14.04	168.39	168.00	0.0079	13491.61	12.25	11.50	14.04	6.30
POND2PRE	BASE	23.99	117.87	120.00	0.0100	82935.95	12.25	58.76	0.00	0.00
POND3PRE	BASE	23.99	96.63	105.00	0.0024	54304.12	12.25	15.73	0.00	0.00
POND4PRE	BASE	23.99	92.92	95.00	0.0100	135476.53	12.25	137.46	0.00	0.00

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Maximum Conditions - 2596PRE *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	95.99	89.40	92.00	0.0063	1160462.45	60.00	620.11	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	61.25	137.22	138.00	0.0100	73142.74	60.00	77.39	86.66	37.56
POND-1B	BASE	61.26	137.20	138.00	0.0074	255357.56	60.00	233.91	61.26	58.58
POND-J	BASE	60.42	142.67	144.00	0.0100	22508.99	60.40	44.28	60.42	44.18
POND-K	BASE	60.48	168.70	168.00	0.0097	11063.47	60.00	24.66	60.48	20.25
POND2PRE	BASE	62.36	119.12	120.00	0.0100	89477.34	60.00	100.27	62.36	43.69
POND3PRE	BASE	68.04	104.39	105.00	0.0100	78513.45	62.36	45.36	68.04	18.56
POND4PRE	BASE	67.98	93.72	95.00	0.0100	140072.61	60.00	218.07	67.98	26.16

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 03/01/00

***** Node Maximum Conditions - 10096PRE *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	96.00	92.78	92.00	0.0060	1337414.05	60.00	891.89	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	61.01	138.15	138.00	0.0065	86141.72	60.02	148.52	60.40	77.34
POND-1B	BASE	61.02	138.13	138.00	0.0063	279593.98	60.00	358.53	60.39	129.90
POND-J	BASE	60.04	142.78	144.00	0.0086	22105.32	60.02	98.14	60.04	97.81
POND-K	BASE	60.08	168.96	168.00	0.0076	9034.21	60.00	39.32	60.08	37.99
POND2PRE	BASE	61.07	119.81	120.00	0.0096	93114.00	60.39	200.19	61.07	135.46
POND3PRE	BASE	62.33	105.39	105.00	0.0100	85036.04	61.04	140.72	62.33	122.71
POND4PRE	BASE	63.08	94.53	95.00	0.0100	144596.60	60.00	316.39	62.70	118.38

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 03/01/00

***** Node Maximum Conditions - 10024PRE *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	24.00	87.52	92.00	0.0037	1059370.49	12.25	571.93	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	14.62	137.17	138.00	0.0100	72489.32	12.38	61.42	13.07	24.57
POND-1B	BASE	14.63	137.16	138.00	0.0082	254250.52	12.21	158.42	14.63	42.40
POND-J	BASE	12.39	142.63	144.00	0.0100	22618.12	12.25	37.80	12.39	32.28
POND-K	BASE	13.12	168.60	168.00	0.0097	11876.25	12.25	19.87	13.12	14.70
POND2PRE	BASE	16.18	119.07	120.00	0.0100	89202.95	12.25	90.13	16.18	38.24
POND3PRE	BASE	21.91	104.35	105.00	0.0100	78382.82	16.17	40.14	21.91	15.68
POND4PRE	BASE	21.86	93.71	95.00	0.0100	139999.71	12.25	201.24	21.86	22.07

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----				Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)			
*** Group:	BASE		Node: LOSTLAKE						
0.000	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.253	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.565	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.815	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.065	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.315	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.565	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.815	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.065	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.315	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.565	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.815	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
3.065	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
3.315	83.00	18.68	0.00	0.05	0.00	0.00	0.00	0.0005	0.0000
3.565	83.00	18.68	0.00	0.27	0.00	0.00	0.00	0.0039	0.0000
3.815	83.00	18.68	0.00	0.49	0.00	0.00	0.00	0.0117	0.0000
4.065	83.00	18.68	0.00	0.53	0.00	0.00	0.00	0.0222	0.0000
4.315	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.0333	0.0000
4.565	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.0445	0.0000
4.815	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.0558	0.0000
5.065	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.0670	0.0000
5.315	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.0783	0.0000
5.565	83.00	18.69	0.00	0.54	0.00	0.00	0.00	0.0895	0.0000
5.815	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1008	0.0000
6.065	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1120	0.0000
6.315	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1233	0.0000
6.565	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1345	0.0000
6.815	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1458	0.0000
7.065	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1570	0.0000
7.315	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1683	0.0000
7.565	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1795	0.0000
7.815	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.1908	0.0000
8.065	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.2020	0.0000
8.315	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.2133	0.0000
8.565	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.2247	0.0000
8.815	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.2360	0.0000
9.065	83.01	18.70	0.00	0.55	0.00	0.00	0.00	0.2473	0.0000
9.315	83.01	18.70	0.00	0.55	0.00	0.00	0.00	0.2587	0.0000
9.565	83.01	18.70	0.00	0.55	0.00	0.00	0.00	0.2700	0.0000
9.815	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.2813	0.0000
10.065	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.2927	0.0000
10.315	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.3040	0.0000
10.565	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.3153	0.0000
10.815	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.3267	0.0000
11.065	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.3380	0.0000
11.315	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.3494	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----				Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)	
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)				
11.565	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3607	0.0000
11.815	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3720	0.0000
12.065	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3834	0.0000
12.315	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3947	0.0000
12.565	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4060	0.0000
12.815	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4174	0.0000
13.065	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4287	0.0000
13.315	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4401	0.0000
13.565	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4514	0.0000
13.815	83.02	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4627	0.0000
14.065	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4741	0.0000
14.315	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4854	0.0000
14.565	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.4967	0.0000
14.815	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5081	0.0000
15.065	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5194	0.0000
15.315	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5307	0.0000
15.565	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5421	0.0000
15.815	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5534	0.0000
16.065	83.03	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.5647	0.0000
16.315	83.03	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.5760	0.0000
16.565	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.5873	0.0000
16.815	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.5985	0.0000
17.065	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6098	0.0000
17.315	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6210	0.0000
17.565	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6323	0.0000
17.815	83.03	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6435	0.0000
18.065	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6548	0.0000
18.315	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6660	0.0000
18.565	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6773	0.0000
18.815	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6885	0.0000
19.065	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.6998	0.0000
19.315	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.7110	0.0000
19.565	83.04	18.72	0.00	0.54	0.00	0.00	0.00	0.00	0.7223	0.0000
19.815	83.04	18.73	0.00	0.54	0.00	0.00	0.00	0.00	0.7335	0.0000
20.065	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.7448	0.0000
20.315	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.7561	0.0000
20.565	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.7674	0.0000
20.815	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.7787	0.0000
21.065	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.7901	0.0000
21.315	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8014	0.0000
21.565	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8128	0.0000
21.815	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8241	0.0000
22.065	83.04	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8354	0.0000
22.315	83.05	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8468	0.0000
22.565	83.05	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8581	0.0000
22.815	83.05	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8694	0.0000
23.065	83.05	18.73	0.00	0.55	0.00	0.00	0.00	0.00	0.8808	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----				Link Q (cfs)	Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)				
23.315	83.05	18.74	0.00	0.55	0.00	0.00	0.00	0.8921	0.0000	
23.565	83.05	18.74	0.00	0.55	0.00	0.00	0.00	0.9034	0.0000	
23.815	83.05	18.74	0.00	0.56	0.00	0.00	0.00	0.9149	0.0000	
24.065	83.05	18.74	0.00	0.72	0.00	0.00	0.00	0.9281	0.0000	
24.315	83.05	18.74	0.00	1.16	0.00	0.00	0.00	0.9476	0.0000	
24.565	83.05	18.74	0.00	1.26	0.00	0.00	0.00	0.9726	0.0000	
24.815	83.05	18.74	0.00	1.28	0.00	0.00	0.00	0.9989	0.0000	
25.065	83.05	18.74	0.00	1.29	0.00	0.00	0.00	1.0254	0.0000	
25.315	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.0520	0.0000	
25.565	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.0786	0.0000	
25.815	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.1052	0.0000	
26.065	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.1318	0.0000	
26.315	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.1584	0.0000	
26.565	83.06	18.75	0.00	1.29	0.00	0.00	0.00	1.1850	0.0000	
26.815	83.06	18.76	0.00	1.29	0.00	0.00	0.00	1.2117	0.0000	
27.065	83.07	18.76	0.00	1.29	0.00	0.00	0.00	1.2383	0.0000	
27.315	83.07	18.76	0.00	1.29	0.00	0.00	0.00	1.2649	0.0000	
27.565	83.07	18.76	0.00	1.29	0.00	0.00	0.00	1.2915	0.0000	
27.815	83.07	18.76	0.00	1.29	0.00	0.00	0.00	1.3181	0.0000	
28.065	83.07	18.76	0.00	1.30	0.00	0.00	0.00	1.3448	0.0000	
28.315	83.07	18.76	0.00	1.32	0.00	0.00	0.00	1.3719	0.0000	
28.565	83.07	18.77	0.00	1.33	0.00	0.00	0.00	1.3993	0.0000	
28.815	83.08	18.77	0.00	1.33	0.00	0.00	0.00	1.4267	0.0000	
29.065	83.08	18.77	0.00	1.33	0.00	0.00	0.00	1.4542	0.0000	
29.315	83.08	18.77	0.00	1.33	0.00	0.00	0.00	1.4817	0.0000	
29.565	83.08	18.77	0.00	1.33	0.00	0.00	0.00	1.5092	0.0000	
29.815	83.08	18.78	0.00	1.33	0.00	0.00	0.00	1.5366	0.0000	
30.065	83.08	18.78	0.00	1.33	0.00	0.00	0.00	1.5641	0.0000	
30.315	83.08	18.78	0.00	1.33	0.00	0.00	0.00	1.5916	0.0000	
30.565	83.09	18.78	0.00	1.33	0.00	0.00	0.00	1.6191	0.0000	
30.815	83.09	18.78	0.00	1.33	0.00	0.00	0.00	1.6466	0.0000	
31.065	83.09	18.78	0.00	1.33	0.00	0.00	0.00	1.6741	0.0000	
31.315	83.09	18.79	0.00	1.33	0.00	0.00	0.00	1.7015	0.0000	
31.565	83.09	18.79	0.00	1.33	0.00	0.00	0.00	1.7290	0.0000	
31.815	83.09	18.79	0.00	1.33	0.00	0.00	0.00	1.7565	0.0000	
32.065	83.10	18.79	0.00	1.32	0.00	0.00	0.00	1.7839	0.0000	
32.315	83.10	18.79	0.00	1.29	0.00	0.00	0.00	1.8109	0.0000	
32.565	83.10	18.79	0.00	1.29	0.00	0.00	0.00	1.8376	0.0000	
32.815	83.10	18.80	0.00	1.29	0.00	0.00	0.00	1.8642	0.0000	
33.065	83.10	18.80	0.00	1.29	0.00	0.00	0.00	1.8908	0.0000	
33.315	83.10	18.80	0.00	1.29	0.00	0.00	0.00	1.9174	0.0000	
33.565	83.10	18.80	0.00	1.29	0.00	0.00	0.00	1.9440	0.0000	
33.815	83.11	18.80	0.00	1.29	0.00	0.00	0.00	1.9706	0.0000	
34.065	83.11	18.80	0.00	1.29	0.00	0.00	0.00	1.9972	0.0000	
34.315	83.11	18.81	0.00	1.29	0.00	0.00	0.00	2.0238	0.0000	
34.565	83.11	18.81	0.00	1.29	0.00	0.00	0.00	2.0505	0.0000	
34.815	83.11	18.81	0.00	1.29	0.00	0.00	0.00	2.0771	0.0000	

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->				Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)			
35.065	83.11	18.81	0.00	1.29	0.00	0.00	0.00	2.1037	0.0000
35.315	83.11	18.81	0.00	1.29	0.00	0.00	0.00	2.1303	0.0000
35.565	83.12	18.81	0.00	1.29	0.00	0.00	0.00	2.1569	0.0000
35.815	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.1835	0.0000
36.065	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.2101	0.0000
36.315	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.2367	0.0000
36.565	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.2633	0.0000
36.815	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.2899	0.0000
37.065	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.3165	0.0000
37.315	83.12	18.82	0.00	1.29	0.00	0.00	0.00	2.3431	0.0000
37.565	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.3697	0.0000
37.815	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.3963	0.0000
38.065	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.4230	0.0000
38.315	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.4496	0.0000
38.565	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.4762	0.0000
38.815	83.13	18.83	0.00	1.29	0.00	0.00	0.00	2.5028	0.0000
39.065	83.13	18.84	0.00	1.29	0.00	0.00	0.00	2.5294	0.0000
39.315	83.14	18.84	0.00	1.29	0.00	0.00	0.00	2.5560	0.0000
39.565	83.14	18.84	0.00	1.29	0.00	0.00	0.00	2.5826	0.0000
39.815	83.14	18.84	0.00	1.29	0.00	0.00	0.00	2.6092	0.0000
40.065	83.14	18.84	0.00	1.30	0.00	0.00	0.00	2.6359	0.0000
40.315	83.14	18.84	0.00	1.32	0.00	0.00	0.00	2.6630	0.0000
40.565	83.14	18.85	0.00	1.33	0.00	0.00	0.00	2.6904	0.0000
40.815	83.14	18.85	0.00	1.33	0.00	0.00	0.00	2.7178	0.0000
41.065	83.15	18.85	0.00	1.33	0.00	0.00	0.00	2.7453	0.0000
41.315	83.15	18.85	0.00	1.33	0.00	0.00	0.00	2.7728	0.0000
41.565	83.15	18.85	0.00	1.33	0.00	0.00	0.00	2.8003	0.0000
41.815	83.15	18.85	0.00	1.33	0.00	0.00	0.00	2.8278	0.0000
42.065	83.15	18.86	0.00	1.33	0.00	0.00	0.00	2.8552	0.0000
42.315	83.15	18.86	0.00	1.33	0.00	0.00	0.00	2.8827	0.0000
42.565	83.16	18.86	0.00	1.33	0.00	0.00	0.00	2.9102	0.0000
42.815	83.16	18.86	0.00	1.33	0.00	0.00	0.00	2.9377	0.0000
43.065	83.16	18.86	0.00	1.33	0.00	0.00	0.00	2.9652	0.0000
43.315	83.16	18.86	0.00	1.33	0.00	0.00	0.00	2.9927	0.0000
43.565	83.16	18.87	0.00	1.33	0.00	0.00	0.00	3.0201	0.0000
43.815	83.16	18.87	0.00	1.33	0.00	0.00	0.00	3.0476	0.0000
44.065	83.16	18.87	0.00	1.32	0.00	0.00	0.00	3.0750	0.0000
44.315	83.17	18.87	0.00	1.29	0.00	0.00	0.00	3.1020	0.0000
44.565	83.17	18.87	0.00	1.29	0.00	0.00	0.00	3.1287	0.0000
44.815	83.17	18.87	0.00	1.29	0.00	0.00	0.00	3.1553	0.0000
45.065	83.17	18.88	0.00	1.29	0.00	0.00	0.00	3.1819	0.0000
45.315	83.17	18.88	0.00	1.29	0.00	0.00	0.00	3.2086	0.0000
45.565	83.17	18.88	0.00	1.31	0.00	0.00	0.00	3.2355	0.0000
45.815	83.17	18.88	0.00	1.34	0.00	0.00	0.00	3.2629	0.0000
46.065	83.18	18.88	0.00	1.38	0.00	0.00	0.00	3.2911	0.0000
46.315	83.18	18.89	0.00	1.43	0.00	0.00	0.00	3.3201	0.0000
46.565	83.18	18.89	0.00	1.48	0.00	0.00	0.00	3.3501	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
46.815	83.18	18.89	0.00	1.53	0.00	0.00	0.00	0.00	3.3812	0.0000
47.065	83.18	18.89	0.00	1.58	0.00	0.00	0.00	0.00	3.4132	0.0000
47.315	83.18	18.89	0.00	1.63	0.00	0.00	0.00	0.00	3.4463	0.0000
47.565	83.19	18.89	0.00	1.68	0.00	0.00	0.00	0.00	3.4804	0.0000
47.815	83.19	18.90	0.00	1.73	0.00	0.00	0.00	0.00	3.5156	0.0000
48.065	83.19	18.90	0.00	1.91	0.00	0.00	0.00	0.00	3.5533	0.0000
48.315	83.19	18.90	0.00	2.31	0.00	0.00	0.00	0.00	3.5968	0.0000
48.565	83.19	18.91	0.00	2.48	0.00	0.00	0.00	0.00	3.6463	0.0000
48.815	83.20	18.91	0.00	2.60	0.00	0.00	0.00	0.00	3.6987	0.0000
49.065	83.20	18.91	0.00	2.70	0.00	0.00	0.00	0.00	3.7534	0.0000
49.315	83.20	18.92	0.00	2.79	0.00	0.00	0.00	0.00	3.8101	0.0000
49.565	83.21	18.92	0.00	2.88	0.00	0.00	0.00	0.00	3.8687	0.0000
49.815	83.21	18.92	0.00	2.98	0.00	0.00	0.00	0.00	3.9293	0.0000
50.065	83.21	18.93	0.00	3.17	0.00	0.00	0.00	0.00	3.9928	0.0000
50.315	83.22	18.93	0.00	3.53	0.00	0.00	0.00	0.00	4.0621	0.0000
50.565	83.22	18.94	0.00	3.73	0.00	0.00	0.00	0.00	4.1370	0.0000
50.815	83.22	18.94	0.00	3.87	0.00	0.00	0.00	0.00	4.2156	0.0000
51.065	83.23	18.94	0.00	4.01	0.00	0.00	0.00	0.00	4.2970	0.0000
51.315	83.23	18.95	0.00	4.13	0.00	0.00	0.00	0.00	4.3810	0.0000
51.565	83.24	18.96	0.00	4.25	0.00	0.00	0.00	0.00	4.4676	0.0000
51.815	83.24	18.96	0.00	4.38	0.00	0.00	0.00	0.00	4.5567	0.0000
52.065	83.25	18.97	0.00	4.67	0.00	0.00	0.00	0.00	4.6502	0.0000
52.315	83.25	18.97	0.00	5.33	0.00	0.00	0.00	0.00	4.7535	0.0000
52.565	83.26	18.98	0.00	5.67	0.00	0.00	0.00	0.00	4.8671	0.0000
52.815	83.26	18.99	0.00	5.92	0.00	0.00	0.00	0.00	4.9868	0.0000
53.065	83.27	18.99	0.00	6.12	0.00	0.00	0.00	0.00	5.1112	0.0000
53.315	83.28	19.00	0.00	6.31	0.00	0.00	0.00	0.00	5.2397	0.0000
53.565	83.29	19.01	0.00	6.49	0.00	0.00	0.00	0.00	5.3719	0.0000
53.815	83.29	19.02	0.00	6.68	0.00	0.00	0.00	0.00	5.5080	0.0000
54.065	83.30	19.03	0.00	7.13	0.00	0.00	0.00	0.00	5.6507	0.0000
54.315	83.31	19.04	0.00	8.12	0.00	0.00	0.00	0.00	5.8083	0.0000
54.565	83.32	19.05	0.00	8.66	0.00	0.00	0.00	0.00	5.9816	0.0000
54.815	83.33	19.06	0.00	9.04	0.00	0.00	0.00	0.00	6.1645	0.0000
55.065	83.34	19.07	0.00	9.36	0.00	0.00	0.00	0.00	6.3547	0.0000
55.315	83.35	19.08	0.00	9.65	0.00	0.00	0.00	0.00	6.5510	0.0000
55.565	83.36	19.09	0.00	9.91	0.00	0.00	0.00	0.00	6.7531	0.0000
55.781	83.37	19.11	0.00	10.16	0.00	0.00	0.00	0.00	6.9328	0.0000
56.048	83.38	19.12	0.00	11.15	0.00	0.00	0.00	0.00	7.1676	0.0000
56.288	83.39	19.13	0.00	13.93	0.00	0.00	0.00	0.00	7.4163	0.0000
56.501	83.41	19.15	0.00	15.28	0.00	0.00	0.00	0.00	7.6737	0.0000
56.789	83.43	19.17	0.00	16.43	0.00	0.00	0.00	0.00	8.0510	0.0000
57.003	83.44	19.19	0.00	17.10	0.00	0.00	0.00	0.00	8.3465	0.0000
57.259	83.46	19.21	0.00	17.78	0.00	0.00	0.00	0.00	8.7156	0.0000
57.515	83.48	19.24	0.00	18.40	0.00	0.00	0.00	0.00	9.0983	0.0000
57.771	83.50	19.26	0.00	18.99	0.00	0.00	0.00	0.00	9.4938	0.0000
58.027	83.52	19.29	0.00	20.65	0.00	0.00	0.00	0.00	9.9131	0.0000
58.252	83.55	19.31	0.00	28.28	0.00	0.00	0.00	0.00	10.3686	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->				Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)			
58.525	83.58	19.35	0.00	33.02	0.00	0.00	0.00	11.0603	0.0000
58.754	83.61	19.39	0.00	35.72	0.00	0.00	0.00	11.7118	0.0000
59.016	83.66	19.44	0.00	39.78	0.00	0.00	0.00	12.5296	0.0000
59.256	83.71	19.50	0.00	57.35	0.00	0.00	0.00	13.4906	0.0000
59.503	83.78	19.58	0.00	82.82	0.00	0.00	0.00	14.9190	0.0000
59.750	84.03	19.87	0.00	407.77	0.00	0.00	0.00	19.9405	0.0000
60.000	84.56	20.59	0.00	620.11	0.00	0.00	0.00	30.5601	0.0000
60.250	85.06	21.28	0.00	402.46	0.00	0.00	0.00	41.1154	0.0000
60.502	85.40	21.70	0.00	305.04	0.00	0.00	0.00	48.4745	0.0000
60.751	85.65	22.00	0.00	215.75	0.00	0.00	0.00	53.8300	0.0000
61.001	85.83	22.23	0.00	168.76	0.00	0.00	0.00	57.8044	0.0000
61.251	85.97	22.40	0.00	126.98	0.00	0.00	0.00	60.8644	0.0000
61.502	86.07	22.53	0.00	104.20	0.00	0.00	0.00	63.2620	0.0000
61.751	86.16	22.64	0.00	91.21	0.00	0.00	0.00	65.2696	0.0000
62.002	86.24	22.74	0.00	82.61	0.00	0.00	0.00	67.0776	0.0000
62.252	86.31	22.82	0.00	66.26	0.00	0.00	4.80	68.6602	0.0000
62.501	86.37	22.90	0.00	57.49	0.00	0.00	11.49	70.1023	0.0000
62.750	86.43	22.97	0.00	52.44	0.00	0.00	12.46	71.4812	0.0000
63.002	86.49	23.04	0.00	49.40	0.00	0.00	12.44	72.8018	0.0000
63.252	86.54	23.11	0.00	47.57	0.00	0.00	12.37	74.0560	0.0000
63.501	86.60	23.18	0.00	46.45	0.00	0.00	12.35	75.2788	0.0000
63.753	86.65	23.24	0.00	45.76	0.00	0.00	12.36	76.4971	0.0000
64.004	86.70	23.30	0.00	44.96	0.00	0.00	12.32	77.6925	0.0000
64.253	86.75	23.36	0.00	36.90	0.00	0.00	10.66	78.7722	0.0000
64.502	86.79	23.41	0.00	32.79	0.00	0.00	8.94	79.6918	0.0000
64.754	86.82	23.45	0.00	30.52	0.00	0.00	8.13	80.5287	0.0000
65.001	86.86	23.49	0.00	29.23	0.00	0.00	7.80	81.3024	0.0000
65.256	86.89	23.53	0.00	28.46	0.00	0.00	7.67	82.0712	0.0000
65.502	86.92	23.57	0.00	28.01	0.00	0.00	7.63	82.8015	0.0000
65.754	86.95	23.61	0.00	27.74	0.00	0.00	7.62	83.5407	0.0000
66.000	86.98	23.65	0.00	27.58	0.00	0.00	7.62	84.2587	0.0000
66.254	87.01	23.69	0.00	27.49	0.00	0.00	7.71	84.9959	0.0000
66.508	87.04	23.73	0.00	27.45	0.00	0.00	11.63	85.7773	0.0000
66.758	87.08	23.77	0.00	27.44	0.00	0.00	17.89	86.6477	0.0000
67.029	87.13	23.83	0.00	27.45	0.00	0.00	22.59	87.7183	0.0000
67.268	87.17	23.88	0.00	27.47	0.00	0.00	24.64	88.7268	0.0000
67.515	87.21	23.94	0.00	27.50	0.00	0.00	25.62	89.7978	0.0000
67.765	87.26	23.99	0.00	27.51	0.00	0.00	26.05	90.9012	0.0000
68.011	87.31	24.05	0.00	27.13	0.00	0.00	26.15	91.9862	0.0000
68.253	87.35	24.10	0.00	23.23	0.00	0.00	25.12	93.0057	0.0000
68.523	87.39	24.15	0.00	21.14	0.00	0.00	23.79	94.0455	0.0000
68.767	87.43	24.20	0.00	20.10	0.00	0.00	22.76	94.9287	0.0000
69.006	87.46	24.24	0.00	19.51	0.00	0.00	21.80	95.7598	0.0000
69.255	87.50	24.29	0.00	19.15	0.00	0.00	20.89	96.5970	0.0000
69.505	87.53	24.33	0.00	18.93	0.00	0.00	20.11	97.4141	0.0000
69.757	87.56	24.37	0.00	18.81	0.00	0.00	19.48	98.2190	0.0000
70.018	87.60	24.41	0.00	18.73	0.00	0.00	19.00	99.0396	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->				Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)	
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)				Link Q (cfs)
70.269	87.63	24.45	0.00	18.68	0.00	0.00	18.65	0.00	99.8184	0.0000
70.520	87.66	24.49	0.00	18.65	0.00	0.00	18.41	0.00	100.5896	0.0000
70.760	87.69	24.53	0.00	18.64	0.00	0.00	18.25	0.00	101.3232	0.0000
71.011	87.72	24.56	0.00	18.64	0.00	0.00	18.13	0.00	102.0869	0.0000
71.251	87.75	24.60	0.00	18.65	0.00	0.00	18.06	0.00	102.8157	0.0000
71.502	87.78	24.64	0.00	18.66	0.00	0.00	18.01	0.00	103.5764	0.0000
71.763	87.81	24.68	0.00	18.66	0.00	0.00	17.97	0.00	104.3677	0.0000
72.014	87.84	24.72	0.00	18.26	0.00	0.00	17.89	0.00	105.1229	0.0000
72.276	87.87	24.75	0.00	14.30	0.00	0.00	16.73	0.00	105.8488	0.0000
72.519	87.90	24.78	0.00	12.42	0.00	0.00	15.60	0.00	106.4428	0.0000
72.771	87.92	24.81	0.00	11.36	0.00	0.00	14.65	0.00	107.0042	0.0000
73.004	87.94	24.84	0.00	10.78	0.00	0.00	13.81	0.00	107.4932	0.0000
73.256	87.96	24.86	0.00	10.40	0.00	0.00	12.97	0.00	107.9925	0.0000
73.514	87.98	24.88	0.00	10.17	0.00	0.00	12.21	0.00	108.4792	0.0000
73.766	88.00	24.91	0.00	10.03	0.00	0.00	11.57	0.00	108.9371	0.0000
74.029	88.02	24.93	0.00	9.94	0.00	0.00	11.04	0.00	109.4001	0.0000
74.255	88.03	24.95	0.00	9.89	0.00	0.00	10.68	0.00	109.7885	0.0000
74.533	88.05	24.97	0.00	9.86	0.00	0.00	10.33	0.00	110.2579	0.0000
74.768	88.07	24.99	0.00	9.84	0.00	0.00	10.11	0.00	110.6471	0.0000
75.030	88.08	25.01	0.00	9.82	0.00	0.00	9.92	0.00	111.0763	0.0000
75.252	88.10	25.03	0.00	9.82	0.00	0.00	9.81	0.00	111.4370	0.0000
75.506	88.11	25.05	0.00	9.81	0.00	0.00	9.70	0.00	111.8478	0.0000
75.772	88.13	25.07	0.00	9.81	0.00	0.00	9.62	0.00	112.2759	0.0000
76.009	88.15	25.09	0.00	9.81	0.00	0.00	9.57	0.00	112.6562	0.0000
76.275	88.16	25.11	0.00	9.85	0.00	0.00	9.54	0.00	113.0833	0.0000
76.508	88.18	25.13	0.00	9.87	0.00	0.00	9.52	0.00	113.4562	0.0000
76.757	88.19	25.15	0.00	9.89	0.00	0.00	9.51	0.00	113.8555	0.0000
77.000	88.21	25.17	0.00	9.90	0.00	0.00	9.51	0.00	114.2459	0.0000
77.288	88.23	25.19	0.00	9.91	0.00	0.00	9.51	0.00	114.7071	0.0000
77.509	88.24	25.21	0.00	9.91	0.00	0.00	9.51	0.00	115.0625	0.0000
77.761	88.26	25.23	0.00	9.92	0.00	0.00	9.51	0.00	115.4670	0.0000
78.001	88.27	25.25	0.00	9.92	0.00	0.00	9.52	0.00	115.8525	0.0000
78.290	88.29	25.27	0.00	9.93	0.00	0.00	9.53	0.00	116.3170	0.0000
78.512	88.31	25.29	0.00	9.93	0.00	0.00	9.53	0.00	116.6736	0.0000
78.766	88.32	25.31	0.00	9.94	0.00	0.00	9.54	0.00	117.0823	0.0000
79.015	88.34	25.33	0.00	9.95	0.00	0.00	9.54	0.00	117.4833	0.0000
79.258	88.35	25.35	0.00	9.95	0.00	0.00	9.55	0.00	117.8754	0.0000
79.546	88.37	25.37	0.00	9.96	0.00	0.00	9.55	0.00	118.3389	0.0000
79.752	88.39	25.38	0.00	9.96	0.00	0.00	9.56	0.00	118.6709	0.0000
80.004	88.40	25.40	0.00	9.96	0.00	0.00	9.56	0.00	119.0773	0.0000
80.266	88.42	25.42	0.00	9.93	0.00	0.00	9.56	0.00	119.4995	0.0000
80.527	88.43	25.44	0.00	9.92	0.00	0.00	9.56	0.00	119.9202	0.0000
80.758	88.45	25.46	0.00	9.92	0.00	0.00	9.55	0.00	120.2928	0.0000
81.020	88.47	25.48	0.00	9.91	0.00	0.00	9.55	0.00	120.7136	0.0000
81.260	88.48	25.50	0.00	9.92	0.00	0.00	9.55	0.00	121.0991	0.0000
81.511	88.50	25.52	0.00	9.92	0.00	0.00	9.55	0.00	121.5044	0.0000
81.756	88.51	25.54	0.00	9.92	0.00	0.00	9.55	0.00	121.8972	0.0000

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
82.022	88.53	25.56	0.00	9.93	0.00	0.00	9.55	0.00	122.3254	0.0000
82.283	88.54	25.58	0.00	9.93	0.00	0.00	9.55	0.00	122.7461	0.0000
82.515	88.56	25.60	0.00	9.94	0.00	0.00	9.55	0.00	123.1195	0.0000
82.758	88.57	25.62	0.00	9.94	0.00	0.00	9.55	0.00	123.5117	0.0000
83.042	88.59	25.64	0.00	9.95	0.00	0.00	9.56	0.00	123.9684	0.0000
83.254	88.61	25.66	0.00	9.95	0.00	0.00	9.56	0.00	124.3100	0.0000
83.526	88.62	25.68	0.00	9.96	0.00	0.00	9.57	0.00	124.7490	0.0000
83.808	88.64	25.70	0.00	9.96	0.00	0.00	9.57	0.00	125.2052	0.0000
84.018	88.65	25.71	0.00	9.97	0.00	0.00	9.58	0.00	125.5432	0.0000
84.311	88.67	25.74	0.00	9.97	0.00	0.00	9.58	0.00	126.0162	0.0000
84.522	88.69	25.75	0.00	9.98	0.00	0.00	9.59	0.00	126.3573	0.0000
84.783	88.70	25.77	0.00	9.98	0.00	0.00	9.59	0.00	126.7802	0.0000
85.012	88.72	25.79	0.00	9.99	0.00	0.00	9.60	0.00	127.1501	0.0000
85.256	88.73	25.81	0.00	9.99	0.00	0.00	9.60	0.00	127.5453	0.0000
85.515	88.75	25.83	0.00	9.99	0.00	0.00	9.61	0.00	127.9643	0.0000
85.759	88.76	25.85	0.00	10.00	0.00	0.00	9.61	0.00	128.3605	0.0000
86.052	88.78	25.87	0.00	10.00	0.00	0.00	9.62	0.00	128.8352	0.0000
86.266	88.80	25.89	0.00	10.01	0.00	0.00	9.62	0.00	129.1832	0.0000
86.501	88.81	25.91	0.00	10.01	0.00	0.00	9.63	0.00	129.5633	0.0000
86.753	88.83	25.93	0.00	10.02	0.00	0.00	9.63	0.00	129.9731	0.0000
87.040	88.84	25.95	0.00	10.02	0.00	0.00	9.64	0.00	130.4391	0.0000
87.280	88.86	25.97	0.00	10.03	0.00	0.00	9.64	0.00	130.8292	0.0000
87.523	88.87	25.98	0.00	10.03	0.00	0.00	9.65	0.00	131.2251	0.0000
87.782	88.89	26.00	0.00	10.04	0.00	0.00	9.65	0.00	131.6459	0.0000
88.008	88.90	26.02	0.00	10.05	0.00	0.00	9.66	0.00	132.0135	0.0000
88.295	88.92	26.04	0.00	10.09	0.00	0.00	9.68	0.00	132.4825	0.0000
88.513	88.94	26.06	0.00	10.11	0.00	0.00	9.69	0.00	132.8387	0.0000
88.774	88.95	26.08	0.00	10.12	0.00	0.00	9.70	0.00	133.2648	0.0000
89.015	88.97	26.10	0.00	10.13	0.00	0.00	9.71	0.00	133.6614	0.0000
89.276	88.98	26.12	0.00	10.14	0.00	0.00	9.73	0.00	134.0885	0.0000
89.508	89.00	26.14	0.00	10.15	0.00	0.00	9.74	0.00	134.4699	0.0000
89.760	89.01	26.16	0.00	10.16	0.00	0.00	9.75	0.00	134.8841	0.0000
90.027	89.03	26.18	0.00	10.16	0.00	0.00	9.76	0.00	135.3240	0.0000
90.256	89.05	26.20	0.00	10.17	0.00	0.00	9.77	0.00	135.7009	0.0000
90.502	89.06	26.22	0.00	10.17	0.00	0.00	9.78	0.00	136.1069	0.0000
90.770	89.08	26.24	0.00	10.18	0.00	0.00	9.79	0.00	136.5491	0.0000
91.021	89.09	26.26	0.00	10.18	0.00	0.00	9.79	0.00	136.9628	0.0000
91.277	89.11	26.28	0.00	10.19	0.00	0.00	9.80	0.00	137.3858	0.0000
91.506	89.12	26.29	0.00	10.19	0.00	0.00	9.81	0.00	137.7639	0.0000
91.762	89.14	26.31	0.00	10.20	0.00	0.00	9.81	0.00	138.1873	0.0000
92.025	89.16	26.33	0.00	10.19	0.00	0.00	9.82	0.00	138.6222	0.0000
92.254	89.17	26.35	0.00	10.17	0.00	0.00	9.81	0.00	139.0003	0.0000
92.517	89.19	26.37	0.00	10.15	0.00	0.00	9.81	0.00	139.4343	0.0000
92.773	89.20	26.39	0.00	10.15	0.00	0.00	9.81	0.00	139.8568	0.0000
93.002	89.22	26.41	0.00	10.15	0.00	0.00	9.80	0.00	140.2341	0.0000
93.266	89.23	26.43	0.00	10.15	0.00	0.00	9.80	0.00	140.6690	0.0000
93.516	89.25	26.45	0.00	10.15	0.00	0.00	9.80	0.00	141.0823	0.0000

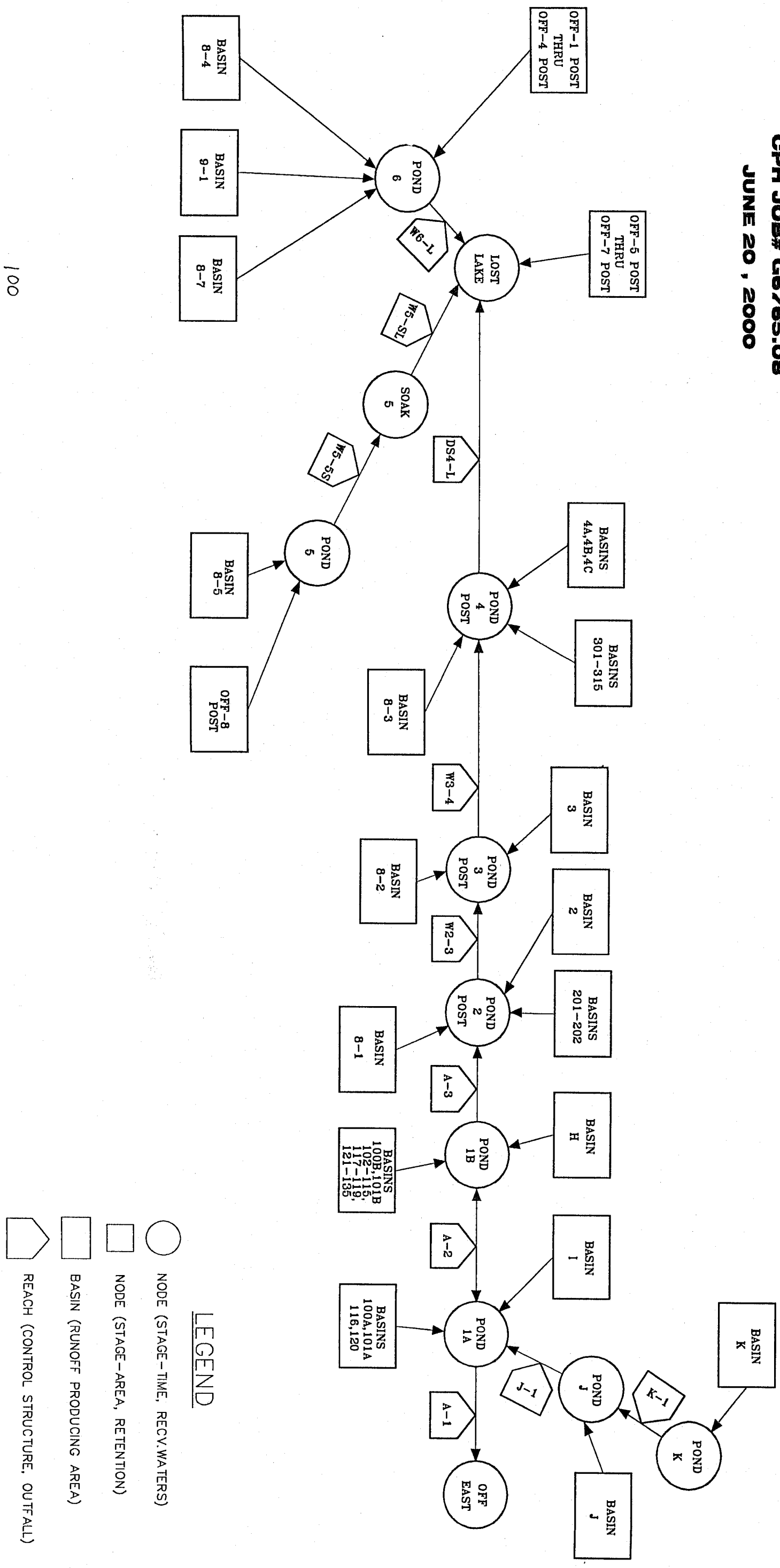
GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Node Time Series by Node - 2596PRE *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----				Link Q (cfs)	Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)				
93.767	89.27	26.47	0.00	10.15	0.00	0.00	9.80	0.00	141.4957	0.0000
94.023	89.28	26.49	0.00	10.16	0.00	0.00	9.80	0.00	141.9181	0.0000
94.252	89.30	26.51	0.00	10.16	0.00	0.00	9.80	0.00	142.2955	0.0000
94.508	89.31	26.53	0.00	10.16	0.00	0.00	9.80	0.00	142.7181	0.0000
94.771	89.33	26.55	0.00	10.17	0.00	0.00	9.80	0.00	143.1521	0.0000
95.034	89.34	26.57	0.00	10.17	0.00	0.00	9.81	0.00	143.5862	0.0000
95.263	89.36	26.58	0.00	10.18	0.00	0.00	9.81	0.00	143.9642	0.0000
95.519	89.37	26.60	0.00	10.18	0.00	0.00	9.81	0.00	144.3874	0.0000
95.765	89.39	26.62	0.00	10.15	0.00	0.00	9.82	0.00	144.7941	0.0000
96.003	89.40	26.64	0.00	9.57	0.00	0.00	9.67	0.00	145.1790	0.0000

GREATER PINES PHASE 8-10 NODAL DIAGRAM POST-DEVELOPED CONDITION

CPH JOB# G6765.08
JUNE 20 , 2000



LEGEND

- NODE (STAGE-TIME, RECV. WATERS)
- NODE (STAGE-AREA, RETENTION)
- ▭ BASIN (RUNOFF PRODUCING AREA)
- ▤ REACH (CONTROL STRUCTURE, OUTFALL)

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Node-----

Name: LOSTLAKE Base Flow(cfs): 0 Init Stage(ft): 83
Group: BASE Length(ft): 0 Warn Stage(ft): 92
Comment:

Stage(ft)	Area(ac)
83	18.68
84	19.56
84.01	19.561
85	20.56
86	21.48
87	22.41
88	27.21
89	28.18
90	29.17
91	30.27
92	31.34
93	32.86
94	33.28
95	33.67

-----Class: Node-----

Name: OFFEAST Base Flow(cfs): 0 Init Stage(ft): 136
Group: BASE Length(ft): 0 Warn Stage(ft): 137
Comment:

Time(hrs)	Stage(ft)
0	136
12	136
24	136

-----Class: Node-----

Name: POND-1A Base Flow(cfs): 0 Init Stage(ft): 132
Group: BASE Length(ft): 0 Warn Stage(ft): 138
Comment:

Stage(ft)	Area(ac)
132	1.01
133	1.08
134	1.15
135	1.26
136	1.37
137	1.61
138	1.93

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Node-----
Name: POND-1B Base Flow(cfs): 0 Init Stage(ft): 132
Group: BASE Length(ft): 0 Warn Stage(ft): 138
Comment:

Stage(ft)	Area(ac)
132	1.93
133	2.25
134	3.67
135	4.7
136	5.4
137	5.74
138	6.34

-----Class: Node-----
Name: POND-5 Base Flow(cfs): 0 Init Stage(ft): 88
Group: BASE Length(ft): 0 Warn Stage(ft): 92
Comment:

Stage(ft)	Area(ac)
88	0.61
89	0.69
90	0.77
91	0.86
92	0.95

-----Class: Node-----
Name: POND-6 Base Flow(cfs): 0 Init Stage(ft): 88
Group: BASE Length(ft): 0 Warn Stage(ft): 92
Comment:

Stage(ft)	Area(ac)
88	3.62
89	3.96
90	4.31
91	4.65
92	4.96

-----Class: Node-----
Name: POND-J Base Flow(cfs): 0 Init Stage(ft): 138
Group: BASE Length(ft): 0 Warn Stage(ft): 144
Comment:

Stage(ft)	Volume(af)	Bottom Area(ac):
138	0	0.08
142	1.3	
143	1.83	
144	2.46	

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Node-----
Name: POND-K Base Flow(cfs): 0 Init Stage(ft): 164
Group: BASE Length(ft): 0 Warn Stage(ft): 168
Comment:

Stage(ft)	Volume(af)	Bottom Area(ac):	0.08
164	0		
165	0.24		
166	0.55		
167	0.94		
168	1.41		

-----Class: Node-----
Name: POND2PST Base Flow(cfs): 0 Init Stage(ft): 110
Group: BASE Length(ft): 0 Warn Stage(ft): 120
Comment:

Stage(ft)	Area(ac)
110	0.96
118.5	1.98
120	2.16

-----Class: Node-----
Name: POND3PST Base Flow(cfs): 0 Init Stage(ft): 95
Group: BASE Length(ft): 0 Warn Stage(ft): 105
Comment:

Stage(ft)	Area(ac)
95	1.13
104.5	1.81
105	1.89

-----Class: Node-----
Name: POND4PST Base Flow(cfs): 0 Init Stage(ft): 86
Group: BASE Length(ft): 0 Warn Stage(ft): 95
Comment:

Stage(ft)	Area(ac)
86	2.2
93.6	3.2
95	3.38

-----Class: Node-----
Name: SOAK-5 Base Flow(cfs): 0 Init Stage(ft): 85
Group: BASE Length(ft): 0 Warn Stage(ft): 87
Comment:

Stage(ft)	Area(ac)
85	0.11
86	0.15
87	0.2

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 100A Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.16
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 100B Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 7.44
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 101A Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.15
 Curve #: 48 Concentration Time(min): 26.9
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 101B Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 4.18
 Curve #: 48 Concentration Time(min): 12.5
 DCIA(%): 0 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 102 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.07
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 42.9 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 103 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.62
 Curve #: 43 Concentration Time(min): 16.8
 DCIA(%): 12.9 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 104 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.6
 Curve #: 44 Concentration Time(min): 20.8
 DCIA(%): 22.3 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 105 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.26
 Curve #: 39 Concentration Time(min): 10
 DCIA(%): 38.5 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 106 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.82
 Curve #: 40 Concentration Time(min): 13
 DCIA(%): 20.6 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 107 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.62
 Curve #: 39 Concentration Time(min): 15.2
 DCIA(%): 51.2 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 108 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.6
 Curve #: 45 Concentration Time(min): 17.5
 DCIA(%): 20 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 109 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.95
 Curve #: 42 Concentration Time(min): 13.6
 DCIA(%): 31.8 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 110 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.82
 Curve #: 46 Concentration Time(min): 15.5
 DCIA(%): 13.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 111 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.4
 Curve #: 47 Concentration Time(min): 14.1
 DCIA(%): 13.8 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 112 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.28
 Curve #: 39 Concentration Time(min): 13.5
 DCIA(%): 39.1 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 113 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.94
 Curve #: 45 Concentration Time(min): 13.6
 DCIA(%): 26.6 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 114 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.34
 Curve #: 44 Concentration Time(min): 14.8
 DCIA(%): 30.8 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 115 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.65
 Curve #: 47 Concentration Time(min): 13.6
 DCIA(%): 20 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 116 Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.17
 Curve #: 41 Concentration Time(min): 22.2
 DCIA(%): 43.3 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 117 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.94
 Curve #: 39 Concentration Time(min): 12.7
 DCIA(%): 53.2 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 118 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.7
 Curve #: 47 Concentration Time(min): 19.1
 DCIA(%): 14.6 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 119 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.28
 Curve #: 46 Concentration Time(min): 12.6
 DCIA(%): 22.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 120 Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.65
 Curve #: 39 Concentration Time(min): 23.5
 DCIA(%): 40 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 121 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.25
 Curve #: 45 Concentration Time(min): 19.1
 DCIA(%): 20 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Basin-----
Basin: 122 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.67
 Curve #: 43 Concentration Time(min): 10
 DCIA(%): 15 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 123 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.12
 Curve #: 44 Concentration Time(min): 18.4
 DCIA(%): 15.2 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 124 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.96
 Curve #: 45 Concentration Time(min): 14.8
 DCIA(%): 17.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 125 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.98
 Curve #: 42 Concentration Time(min): 13.1
 DCIA(%): 10.6 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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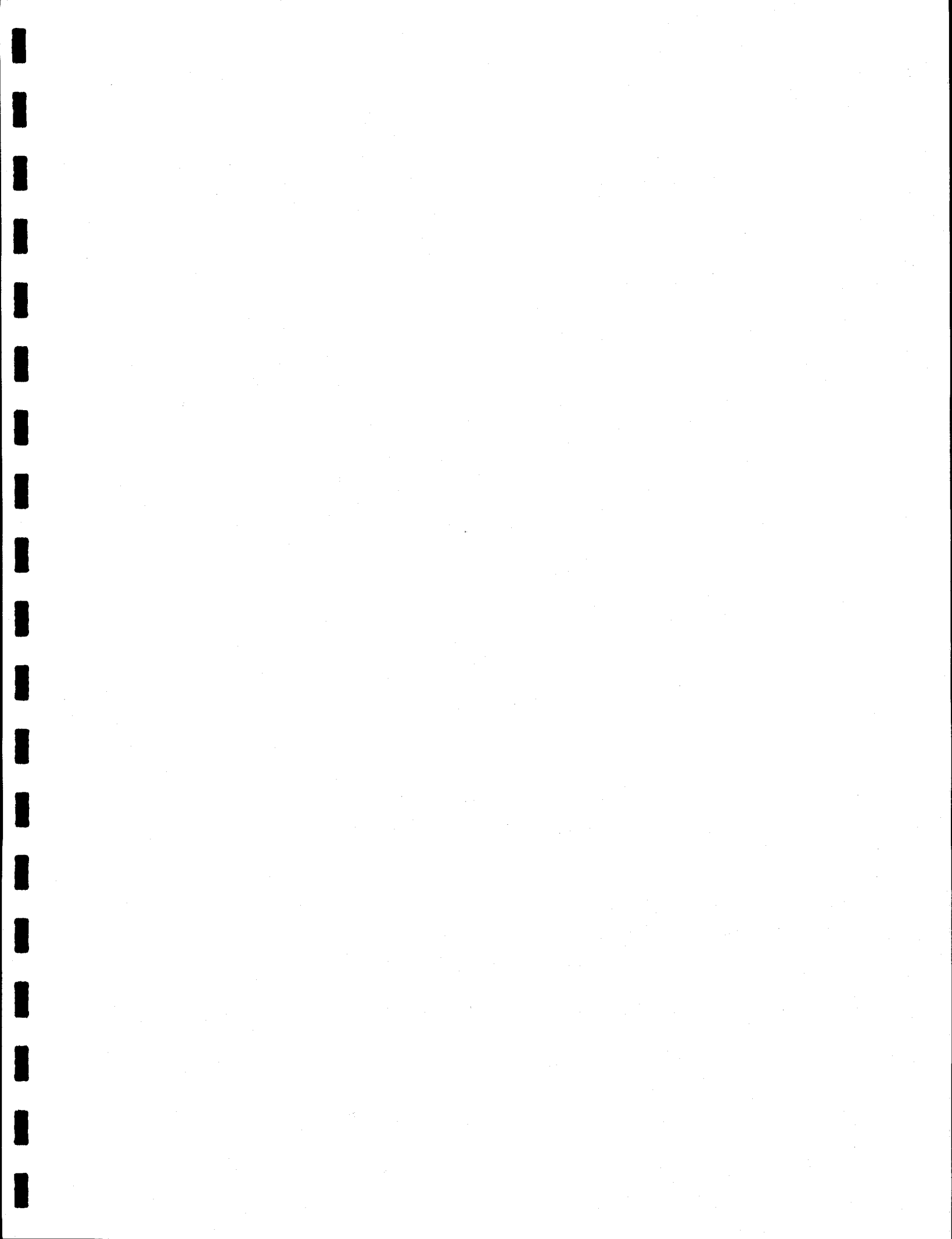
***** Input Report *****

-----Class: Basin-----
Basin: 126 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.85
 Curve #: 46 Concentration Time(min): 22
 DCIA(%): 22.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 127 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.08
 Curve #: 43 Concentration Time(min): 16.2
 DCIA(%): 31.7 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 128 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.49
 Curve #: 51 Concentration Time(min): 10
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 129 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.75
 Curve #: 39 Concentration Time(min): 33.1
 DCIA(%): 39.4 Lag Time(hrs): 0



GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----
Basin: 130 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 3.51
 Curve #: 45 Concentration Time(min): 14.5
 DCIA(%): 24.2 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 131 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.8
 Curve #: 43 Concentration Time(min): 24.7
 DCIA(%): 18.3 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 132 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.32
 Curve #: 47 Concentration Time(min): 20.3
 DCIA(%): 25 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 133 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.42
 Curve #: 46 Concentration Time(min): 18.9
 DCIA(%): 23.2 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----
Basin: 134 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.08
 Curve #: 46 Concentration Time(min): 24.1
 DCIA(%): 24.04 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 135 Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 1.6
 Curve #: 43 Concentration Time(min): 13.6
 DCIA(%): 36.3 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 201 Node: POND2PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.45
 Curve #: 50 Concentration Time(min): 10
 DCIA(%): 6.5 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 202 Node: POND2PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.75
 Curve #: 43 Concentration Time(min): 20.6
 DCIA(%): 16 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: 301 Node: POND4PST Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1
Curve #: 39 Concentration Time(min): 10
DCIA(%): 29 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 302 Node: POND4PST Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2
Curve #: 44 Concentration Time(min): 10.9
DCIA(%): 14.5 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 303 Node: POND4PST Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.97
Curve #: 39 Concentration Time(min): 17.6
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 304 Node: POND4PST Status: On Site Type: Santa Barbara

Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 3.37
Curve #: 46 Concentration Time(min): 12
DCIA(%): 14.8 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: 305 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.9
Curve #: 46 Concentration Time(min): 15
DCIA(%): 22.1 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 306 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.33
Curve #: 45 Concentration Time(min): 10.2
DCIA(%): 18.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 307 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.1
Curve #: 45 Concentration Time(min): 16.8
DCIA(%): 21.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 308 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.95
Curve #: 47 Concentration Time(min): 23.4
DCIA(%): 25.6 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: 309 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.14
Curve #: 39 Concentration Time(min): 10
DCIA(%): 35.7 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 310 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.1
Curve #: 45 Concentration Time(min): 14
DCIA(%): 21.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 311 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.1
Curve #: 44 Concentration Time(min): 22.7
DCIA(%): 17.62 Lag Time(hrs): 0

-----Class: Basin-----

Basin: 312 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.71
Curve #: 39 Concentration Time(min): 14.7
DCIA(%): 29.62 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----
Basin: 313 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.5
 Curve #: 47 Concentration Time(min): 10.7
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 314 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 0.41
 Curve #: 48 Concentration Time(min): 10
 DCIA(%): 36.6 Lag Time(hrs): 0

-----Class: Basin-----
Basin: 315 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 2.28
 Curve #: 45 Concentration Time(min): 28
 DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: BASIN-2 Node: POND2PST Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 5.34
 Curve #: 42 Concentration Time(min): 14.6
 DCIA(%): 17 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: BASIN-3 Node: POND3PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 3.48
Curve #: 42 Concentration Time(min): 12.5
DCIA(%): 16 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-4A Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 21.26
Curve #: 42 Concentration Time(min): 16.2
DCIA(%): 15 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-4B Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 24.71
Curve #: 42 Concentration Time(min): 10
DCIA(%): 16 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN-4C Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.31
Curve #: 42 Concentration Time(min): 12.4
DCIA(%): 18 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: BASIN8-1 Node: POND2PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.78
Curve #: 46 Concentration Time(min): 10
DCIA(%): 9.2 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN8-2 Node: POND3PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.8
Curve #: 46 Concentration Time(min): 10
DCIA(%): 9.1 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN8-3 Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 2.27
Curve #: 45 Concentration Time(min): 10
DCIA(%): 8.4 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN8-4 Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 7.73
Curve #: 46 Concentration Time(min): 14.9
DCIA(%): 32.8 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: BASIN8-5 Node: POND-5 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 12.1
Curve #: 44 Concentration Time(min): 10.6
DCIA(%): 18.6 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASIN9-1 Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 23.5
Curve #: 45 Concentration Time(min): 15.7
DCIA(%): 16.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: BASN10-1 Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 18.15
Curve #: 41 Concentration Time(min): 11.7
DCIA(%): 7.9 Lag Time(hrs): 0

-----Class: Basin-----

Basin: H Node: POND-1B Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 11.04
Curve #: 45 Concentration Time(min): 18.1
DCIA(%): 21 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: I Node: POND-1A Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 11.8
 Curve #: 42 Concentration Time(min): 45
 DCIA(%): 14 Lag Time(hrs): 0

-----Class: Basin-----

Basin: J Node: POND-J Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 21.1
 Curve #: 42 Concentration Time(min): 24.8
 DCIA(%): 9.8 Lag Time(hrs): 0

-----Class: Basin-----

Basin: K Node: POND-K Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 24.6
 Curve #: 40 Concentration Time(min): 55.6
 DCIA(%): 3.7 Lag Time(hrs): 0

-----Class: Basin-----

Basin: LAKE Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE
 Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
 Area(ac): 18.68
 Curve #: 95 Concentration Time(min): 10
 DCIA(%): 100 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----
Basin: OFF1POST Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 16.21
Curve #: 48 Concentration Time(min): 22.6
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: OFF2POST Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 22.56
Curve #: 48 Concentration Time(min): 20.9
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: OFF3POST Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 8.5
Curve #: 48 Concentration Time(min): 16.1
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: OFF4POST Node: POND-6 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 28.38
Curve #: 48 Concentration Time(min): 21.3
DCIA(%): 0 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: OFF5POST Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 3.77
Curve #: 48 Concentration Time(min): 16.1
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF6POST Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 40.71
Curve #: 48 Concentration Time(min): 23.1
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF7POST Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 6.74
Curve #: 48 Concentration Time(min): 15.4
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: OFF8POST Node: POND-5 Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 68.38
Curve #: 48 Concentration Time(min): 40.8
DCIA(%): 0 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----
Basin: POND-5 Node: SOAK-5 Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 1.95
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: POND-6 Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 10.64
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: POND2PST Node: POND2PST Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 5.44
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----
Basin: POND3PST Node: POND3PST Status: On Site Type: Santa Barbara
Group: BASE
Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 4.64
Curve #: 40 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Basin-----

Basin: POND4PST Node: POND4PST Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 5.773
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Basin-----

Basin: SOAK-5 Node: LOSTLAKE Status: On Site Type: Santa Barbara
Group: BASE

Rainfall File: SJRWMD96 Storm Duration(hrs): 96
Rainfall Amount(in): 11.9 Time Increment(min): 1
Area(ac): 0.2
Curve #: 39 Concentration Time(min): 10
DCIA(%): 0 Lag Time(hrs): 0

-----Class: Weir-----

Name: A-1 From Node: POND-1A
Group: BASE To Node: OFFEAST
Count: 1

Type: Mavis Flow: Both Geometry: Parabolic

Top Width(ft): 100
Depth(ft): 0.5
Invert(ft): 138.5
Control Elev(ft): 138.5
Structure Opening(ft): 999 TABLE
Bottom Clip(ft): 0
Top Clip(ft): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Weir-----

Name: A-2 From Node: POND-1A
Group: BASE To Node: POND-1B
Count: 1

Type: Fread Flow: Both Geometry: Parabolic

Top Width(ft): 30
Depth(ft): 0.5
Invert(ft): 134
Control Elev(ft): 134
Structure Opening(ft): 999 TABLE
Bottom Clip(ft): 0
Top Clip(ft): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Weir-----

Name: K-1 From Node: POND-K
Group: BASE To Node: POND-J
Count: 1

Type: Mavis Flow: Both Geometry: Parabolic

Top Width(ft): 30
Depth(ft): 1
Invert(ft): 168
Control Elev(ft): 168
Structure Opening(ft): 999 TABLE
Bottom Clip(ft): 0
Top Clip(ft): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Weir-----

Name: W2-3 From Node: POND2PST
Group: BASE To Node: POND3PST
Count: 1

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 360
Rise(in): 999
Invert(ft): 118.5
Control Elev(ft): 118.5

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Weir-----

Name: W3-4 From Node: POND3PST
Group: BASE To Node: POND4PST
Count: 1

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 300
Rise(in): 999
Invert(ft): 104
Control Elev(ft): 104

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

GREATER PINES PHASES 8 -10 POST CONDITION

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***** Input Report *****

-----Class: Weir-----

Name: W5-5S From Node: POND-5
Group: BASE To Node: SOAK-5
Count: 2

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 360
Rise(in): 9999
Invert(ft): 91
Control Elev(ft): 91

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Weir-----

Name: W5S-L From Node: SOAK-5
Group: BASE To Node: LOSTLAKE
Count: 1

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 1200
Rise(in): 9999
Invert(ft): 87
Control Elev(ft): 87

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Weir-----

Name: W6-L From Node: POND-6
Group: BASE To Node: LOSTLAKE
Count: 3

Type: Mavis Flow: Both Geometry: Rectangular

Span(in): 240
Rise(in): 9999
Invert(ft): 91
Control Elev(ft): 91

TABLE

Bottom Clip(in): 0
Top Clip(in): 0
Weir Discharge Coef: 3
Orifice Discharge Coef: 0.6

-----Class: Drop Structure-----

Name: A-3 From Node: POND-1B Length(ft): 540
Group: BASE To Node: POND2PST Count: 1

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular

	UPSTREAM	DOWNSTREAM
Span(in):	36	36
Rise(in):	36	36
Invert(ft):	132	115
Manning's N:	0.013	0.013
Top Clip(in):	0	0
Bottom Clip(in):	0	0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

*** Weir 1 of 1 for Drop Structure A-3 *** [TABLE]
Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3.2
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 228 Invert(ft): 137
Rise(in): 999 Control Elev(ft): 137

-----Class: Drop Structure-----

Name: DS4-L From Node: POND4PST Length(ft): 165
Group: BASE To Node: LOSTLAKE Count: 2

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular
UPSTREAM DOWNSTREAM

Span(in): 30	30
Rise(in): 30	30
Invert(ft): 87	85
Manning's N: 0.013	0.013
Top Clip(in): 0	0
Bottom Clip(in): 0	0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

*** Weir 1 of 1 for Drop Structure DS4-L *** [TABLE]
Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 236 Invert(ft): 93.6
Rise(in): 999 Control Elev(ft): 93.6

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Drop Structure-----

Name: J-1 From Node: POND-J Length(ft): 220
Group: BASE To Node: POND-1A Count: 1

Outlet Cntrl Spec: Use dc or tw Inlet Cntrl Spec: Use dn
Upstream Geometry: Circular Downstream Geometry: Circular

	UPSTREAM	DOWNSTREAM
Span(in):	48	48
Rise(in):	48	48
Invert(ft):	134.2	132
Manning's N:	0.013	0.013
Top Clip(in):	0	0
Bottom Clip(in):	0	0

Entrance Loss Coef: 0 Flow: Both
Exit Loss Coef: 0 Equation: Aver Conveyance

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall 1 1

*** Weir 1 of 1 for Drop Structure J-1 *** [TABLE]

Count: 1 Bottom Clip(in): 0
Type: Horiz Top Clip(in): 0
Flow: Both Weir Discharge Coef: 3.2
Geometry: Rectangular Orifice Discharge Coef: 0.6

Span(in): 228 Invert(ft): 142.5
Rise(in): 999 Control Elev(ft): 142.5

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Simulation-----

C:\ICPR2\G6765.08\POSTDEV\10096PST

Execution: Both

Header: GREATER PINES PHASES 8-10

POST DEV CONDITION

02/22/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Time Step Optimizer: 10

Drop Structure Optimizer: 10

Sim Start Time(hrs): 0

Sim End Time(hrs): 96

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

96 15

Override Defaults: Yes

Storm Dur(hrs): 96

Rain Amount(in): 14.8

Rainfall File: SJRWMD96

To Hour: PInc(min):

96 15

-----GROUP SELECTIONS-----

+ BASE [06/15/00]

-----Class: Simulation-----

C:\ICPR2\G6765.08\POSTDEV\2524PST

Execution: Both

Header: GREATER PINES PHASES 8-10

POST DEV CONDITION

02/22/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Time Step Optimizer: 10

Drop Structure Optimizer: 10

Sim Start Time(hrs): 0

Sim End Time(hrs): 24

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

24 15

Override Defaults: Yes

Storm Dur(hrs): 24

Rain Amount(in): 8.6

Rainfall File: SCSIII

To Hour: PInc(min):

24 15

-----GROUP SELECTIONS-----

+ BASE [06/15/00]

GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Simulation-----

C:\ICPR2\G6765.08\POSTDEV\2596PST

Execution: Both

Header: GREATER PINES PHASES 8-10

POST DEV CONDITION

02/22/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Override Defaults: Yes

Time Step Optimizer: 10

Storm Dur(hrs): 96

Drop Structure Optimizer: 10

Rain Amount(in): 11.9

Sim Start Time(hrs): 0

Rainfall File: SJRWMD96

Sim End Time(hrs): 96

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

To Hour: PInc(min):

96 15

96 15

-----GROUP SELECTIONS-----

+ BASE [06/15/00]

-----Class: Simulation-----

C:\ICPR2\G6765.08\POSTDEV\10024PST

Execution: Both

Header: GREATER PINES PHASES 8-10

POST DEV CONDITION

03/01/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Override Defaults: Yes

Time Step Optimizer: 10

Storm Dur(hrs): 24

Drop Structure Optimizer: 10

Rain Amount(in): 10.4

Sim Start Time(hrs): 0

Rainfall File: SCSIII

Sim End Time(hrs): 24

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

To Hour: PInc(min):

24 15

24 15

-----GROUP SELECTIONS-----

+ BASE [06/15/00]

Advanced Interconnected Channel & Pond Routing (ICPR Ver 2.11) [34]
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GREATER PINES PHASES 8 -10 POST CONDITION

June 14, 2000

***** Input Report *****

-----Class: Simulation-----

C:\ICPR2\G6765.08\POSTDEV\1024PST

Execution: None

Header: GREATER PINES PHASES 8-10

POST DEV CONDITION

03/21/00

-----HYDRAULICS-----HYDROLOGY-----

Max Delta Z (ft): 1

Delta Z Factor: 0.01

Override Defaults: Yes

Time Step Optimizer: 10

Storm Dur(hrs): 24

Drop Structure Optimizer: 10

Rain Amount(in): 7.5

Sim Start Time(hrs): 0

Rainfall File: SCSIII

Sim End Time(hrs): 24

Min Calc Time(sec): 1

Max Calc Time(sec): 30

To Hour: PInc(min):

To Hour: PInc(min):

24 15

24 15

-----GROUP SELECTIONS-----

+ BASE [06/15/00]

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	12.23	12.23	12.23	12.23	12.22
Flow Max (cfs):	2.19	7.54	1.42	7.50	0.21
Runoff Volume (in):	1.42	1.42	2.40	2.40	4.46
Runoff Volume (cf):	11119	38299	10006	36370	1132

Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	12.23	12.23	12.22	12.23	12.22
Flow Max (cfs):	1.01	4.88	0.72	5.28	4.87
Runoff Volume (in):	2.70	3.41	4.14	2.96	5.04
Runoff Volume (cf):	6080	32202	3912	30297	29662

Basin Name:	108	109	110	111	112
Group Name:					
Node Name:					
Hydrograph Type:					

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	12.23	12.22	12.23	12.23	12.22
Flow Max (cfs):	1.21	4.78	3.56	5.06	3.31
Runoff Volume (in):	3.35	3.89	3.04	3.14	4.19
Runoff Volume (cf):	7295	27508	20081	27375	19455

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	12.22	12.23	12.23	12.23	12.22
Flow Max (cfs):	2.30	5.79	3.88	5.22	3.06
Runoff Volume (in):	3.77	3.97	3.53	4.60	5.19
Runoff Volume (cf):	12879	33710	21128	36262	17695

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	12.22	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.32	3.13	8.11	5.76	1.20
Runoff Volume (in):	2.74	4.21	3.62	3.01	2.91
Runoff Volume (cf):	14812	26734	46121	26734	7917

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	12.22	12.22	12.23	12.22	12.23
Flow Max (cfs):	2.32	4.10	1.51	7.32	4.33
Runoff Volume (in):	3.47	2.90	1.42	3.11	3.57
Runoff Volume (cf):	12603	21063	10141	38034	24629

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	12.22	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.12	4.43	4.03	0.37	4.73
Runoff Volume (in):	3.27	3.47	3.88	3.95	3.47
Runoff Volume (cf):	15798	26465	27434	2006	26465

Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	12.23	12.23	12.23	12.22	12.23
Flow Max (cfs):	3.45	1.50	0.89	1.34	2.25
Runoff Volume (in):	3.11	3.52	2.28	4.63	2.06
Runoff Volume (cf):	23674	9061	4146	6892	17064

Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PST	POND3PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	12.23	12.23	12.23	12.22	12.23
Flow Max (cfs):	9.64	6.48	35.24	49.14	4.50
Runoff Volume (in):	2.88	2.82	2.75	2.82	2.95
Runoff Volume (cf):	55920	35588	212190	252692	24757

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	12.23	12.25	12.23	12.25	12.22
Flow Max (cfs):	22.27	10.82	24.82	11.50	103.93
Runoff Volume (in):	3.41	2.68	2.40	1.78	8.50
Runoff Volume (cf):	136808	114875	183648	158995	576371

Basin Name:	OFF1POST	OFF2POST	OFF3POST	OFF4POST	OFF5POST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-6	POND-6	POND-6	POND-6	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Time of Conc. (min):	22.60	20.90	16.10	21.30	16.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	16.21	22.56	8.50	28.38	3.77
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	22.22	32.26	13.80	40.18	6.12
Runoff Volume (in):	2.40	2.40	2.40	2.40	2.40
Runoff Volume (cf):	141043	196294	73958	246934	32803

Basin Name:	OFF6POST	OFF7POST	OFF8POST	POND2PST	POND3PST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	POND-5	POND2PST	POND3PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	23.10	15.40	40.80	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	40.71	6.74	68.38	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.25	12.23	12.23
Flow Max (cfs):	55.12	11.15	64.21	5.51	5.17
Runoff Volume (in):	2.40	2.40	2.40	1.42	1.52
Runoff Volume (cf):	354217	58645	594973	28004	25641

Basin Name:	POND4PST	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	5.85	2.76	2.88	3.02	4.01
Runoff Volume (in):	1.42	3.06	3.84	3.64	3.69
Runoff Volume (cf):	29718	20000	18392	18766	27889

Basin Name:	135	BASIN8-1	BASIN8-2	BASIN8-3	BASIN8-4
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND2PST	POND3PST	POND4PST	POND-6
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	10.00	10.00	10.00	14.90
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.60	1.78	1.80	2.27	7.73
Curve Number:	43.00	46.00	46.00	45.00	46.00
DCIA (%):	36.30	9.20	9.10	8.40	32.80
Time Max (hrs):	12.22	12.22	12.22	12.22	12.22
Flow Max (cfs):	4.31	3.69	3.73	4.42	20.65
Runoff Volume (in):	4.26	2.75	2.75	2.60	4.25
Runoff Volume (cf):	24738	17800	17959	21446	119200

Basin Name:	BASIN8-5	BASIN9-1	BASN10-1	POND-5	SOAK-5
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-5	POND-6	POND-6	SOAK-5	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	8.60	8.60	8.60	8.60	8.60
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.60	15.70	11.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	12.10	23.50	18.15	1.95	0.20
Curve Number:	44.00	45.00	41.00	39.00	39.00

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2524PST *****

	18.60	16.90	7.90	0.00	0.00
DCIA (%):	18.60	16.90	7.90	0.00	0.00
Time Max (hrs):	12.22	12.23	12.23	12.23	12.23
Flow Max (cfs):	27.02	46.59	26.80	1.98	0.20
Runoff Volume (in):	3.17	3.15	2.17	1.42	1.42
Runoff Volume (cf):	139224	268696	143022	10038	1030

Basin Name: POND-6
 Group Name: BASE
 Node Name: LOSTLAKE
 Hydrograph Type: SB

Spec Time Inc (min): 1.00
 Comp Time Inc (min): 1.00
 Rainfall File: SCSIII
 Rainfall Amount (in): 8.60
 Storm Duration (hr): 24.00
 Status: ONSITE
 Time of Conc. (min): 10.00
 Lag Time (hr): 0.00
 Area (acres): 10.64
 Curve Number: 39.00
 DCIA (%): 0.00

Time Max (hrs): 12.23
 Flow Max (cfs): 10.78
 Runoff Volume (in): 1.42
 Runoff Volume (cf): 54772

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2596PST *****

	100A	100B	101A	101B	102
Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	4.57	15.73	2.46	12.29	0.27
Runoff Volume (in):	3.15	3.15	4.61	4.61	6.86
Runoff Volume (cf):	24710	85112	19228	69888	1743

	103	104	105	106	107
Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	1.61	7.08	0.95	7.98	6.07
Runoff Volume (in):	4.83	5.71	6.48	5.06	7.58
Runoff Volume (cf):	10876	53892	6117	51817	44570

	108	109	110	111	112
Basin Name:	108	109	110	111	112

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2596PST *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	1.76	6.54	5.38	7.54	4.37
Runoff Volume (in):	5.66	6.23	5.31	5.46	6.53
Runoff Volume (cf):	12326	44125	35111	47573	30354

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	3.20	7.90	5.54	6.71	3.78
Runoff Volume (in):	6.17	6.38	5.92	7.08	7.75
Runoff Volume (cf):	21039	54161	35437	55772	26452

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	3.20	7.90	5.54	6.71	3.78
Runoff Volume (in):	6.17	6.38	5.92	7.08	7.75
Runoff Volume (cf):	21039	54161	35437	55772	26452

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2596PST *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	10.47	4.39	4.62	3.54	5.17
Runoff Volume (in):	5.52	5.99	6.61	5.66	5.00
Runoff Volume (cf):	74131	27836	39595	25678	30313

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.97	2.92	5.24	5.19	6.73
Runoff Volume (in):	5.15	5.48	4.50	5.99	6.34
Runoff Volume (cf):	20953	19106	32369	40232	47841

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PST	POND2PST
Hydrograph Type:	SB	SB	SB	SB	SB

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2596PST *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	59.98	60.00	59.98	59.98	59.98
Flow Max (cfs):	5.09	4.08	11.46	8.57	1.85
Runoff Volume (in):	5.08	6.56	5.98	5.37	5.08
Runoff Volume (cf):	27493	41665	76212	47772	13832

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	3.26	6.23	3.41	10.89	6.16
Runoff Volume (in):	5.66	5.10	3.15	5.40	5.95
Runoff Volume (cf):	20544	37018	22536	66025	41008

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

GREATER PINES PHASES 8-10
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***** Basin Summary - 2596PST *****

Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.52	6.37	5.58	0.49	6.78
Runoff Volume (in):	5.57	5.80	6.33	6.24	5.80
Runoff Volume (cf):	26877	44251	44795	3171	44251

Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	60.00
Flow Max (cfs):	5.22	2.11	1.48	1.72	4.24
Runoff Volume (in):	5.34	5.71	4.45	7.24	4.12
Runoff Volume (cf):	40733	14724	8069	10773	34132

Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PST	POND3PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 2596PST *****

Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	14.82	10.01	55.47	75.07	6.82
Runoff Volume (in):	5.03	4.94	4.86	4.94	5.11
Runoff Volume (cf):	97424	62459	375274	443493	42828

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	59.98	60.00	60.00	60.00	59.98
Flow Max (cfs):	32.26	17.81	42.40	24.67	113.48
Runoff Volume (in):	5.74	4.78	4.44	3.63	11.80
Runoff Volume (cf):	229866	204793	339946	323960	800105

Basin Name:	OFF1POST	OFF2POST	OFF3POST	OFF4POST	OFF5POST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-6	POND-6	POND-6	POND-6	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

GREATER PINES PHASES 8-10
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 June 14, 2000

***** Basin Summary - 2596PST *****

Time of Conc. (min):	22.60	20.90	16.10	21.30	16.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	16.21	22.56	8.50	28.38	3.77
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	37.83	54.65	22.98	68.14	10.19
Runoff Volume (in):	4.61	4.61	4.61	4.61	4.61
Runoff Volume (cf):	271026	377196	142118	474505	63033

Basin Name:	OFF6POST	OFF7POST	OFF8POST	POND2PST	POND3PST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	POND-5	POND2PST	POND3PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	23.10	15.40	40.80	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	40.71	6.74	68.38	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	93.99	18.52	114.66	11.50	10.35
Runoff Volume (in):	4.61	4.61	4.61	3.15	3.31
Runoff Volume (cf):	680658	112691	1143291	62233	55817

Basin Name:	POND4PST	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
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 June 14, 2000

***** Basin Summary - 2596PST *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	12.20	4.20	4.01	4.27	5.66
Runoff Volume (in):	3.15	5.26	6.28	6.03	6.09
Runoff Volume (cf):	66042	34398	30111	31074	45994

Basin Name:	135	BASIN8-1	BASIN8-2	BASIN8-3	BASIN8-4
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND2PST	POND3PST	POND4PST	POND-6
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	10.00	10.00	10.00	14.90
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.60	1.78	1.80	2.27	7.73
Curve Number:	43.00	46.00	46.00	45.00	46.00
DCIA (%):	36.30	9.20	9.10	8.40	32.80
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	5.73	5.68	5.74	6.96	27.60
Runoff Volume (in):	6.70	4.98	4.97	4.77	6.75
Runoff Volume (cf):	38938	32155	32467	39295	189399

Basin Name:	BASIN8-5	BASIN9-1	BASN10-1	POND-5	SOAK-5
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-5	POND-6	POND-6	SOAK-5	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	11.90	11.90	11.90	11.90	11.90
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.60	15.70	11.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	12.10	23.50	18.15	1.95	0.20
Curve Number:	44.00	45.00	41.00	39.00	39.00

GREATER PINES PHASES 8-10
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***** Basin Summary - 2596PST *****

DCIA (%):	18.60	16.90	7.90	0.00	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	39.61	69.45	46.06	4.12	0.42
Runoff Volume (in):	5.42	5.42	4.13	3.15	3.15
Runoff Volume (cf):	238070	462453	272354	22308	2288

Basin Name: POND-6
Group Name: BASE
Node Name: LOSTLAKE
Hydrograph Type: SB

Spec Time Inc (min): 1.00
Comp Time Inc (min): 1.00
Rainfall File: SJRWMD96
Rainfall Amount (in): 11.90
Storm Duration (hr): 96.00
Status: ONSITE
Time of Conc. (min): 10.00
Lag Time (hr): 0.00
Area (acres): 10.64
Curve Number: 39.00
DCIA (%): 0.00

Time Max (hrs): 59.98
Flow Max (cfs): 22.49
Runoff Volume (in): 3.15
Runoff Volume (cf): 121720

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***** Basin Summary - 10024PST *****

	100A	100B	101A	101B	102
Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	12.23	12.23	12.23	12.23	12.22
Flow Max (cfs):	3.87	13.32	2.22	11.37	0.27
Runoff Volume (in):	2.31	2.31	3.56	3.56	5.74
Runoff Volume (cf):	18095	62328	14842	53946	1458

	103	104	105	106	107
Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	12.23	12.23	12.22	12.22	12.22
Flow Max (cfs):	1.50	6.87	0.96	7.60	6.29
Runoff Volume (in):	3.82	4.63	5.38	4.06	6.40
Runoff Volume (cf):	8594	43660	5082	41590	37635

	108	109	110	111	112
Basin Name:	108	109	110	111	112

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 10024PST *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	12.23	12.22	12.23	12.23	12.22
Flow Max (cfs):	1.70	6.51	5.13	7.23	4.41
Runoff Volume (in):	4.57	5.13	4.24	4.37	5.43
Runoff Volume (cf):	9952	36316	28001	38034	25243

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	12.22	12.22	12.22	12.23	12.22
Flow Max (cfs):	3.17	7.87	5.42	6.87	3.94
Runoff Volume (in):	5.04	5.25	4.79	5.92	6.56
Runoff Volume (cf):	17205	44566	28705	46663	22383

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	12.22	12.22	12.22	12.23	12.22
Flow Max (cfs):	3.17	7.87	5.42	6.87	3.94
Runoff Volume (in):	5.04	5.25	4.79	5.92	6.56
Runoff Volume (cf):	17205	44566	28705	46663	22383

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 10024PST *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	12.23	12.22	12.23	12.23	12.22
Flow Max (cfs):	10.05	4.32	4.69	3.42	4.94
Runoff Volume (in):	4.42	4.87	5.50	4.57	3.97
Runoff Volume (cf):	59375	22630	32970	20733	24096

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	2.81	2.81	4.84	5.08	6.70
Runoff Volume (in):	4.11	4.40	3.52	4.87	5.22
Runoff Volume (cf):	16699	15349	25325	32708	39394

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PST	POND2PST
Hydrograph Type:	SB	SB	SB	SB	SB

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 POST DEV CONDITION
 June 14, 2000

***** Basin Summary - 10024PST *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	12.22	12.23	12.22	12.22	12.23
Flow Max (cfs):	4.86	4.15	11.24	8.28	1.75
Runoff Volume (in):	3.97	5.46	4.87	4.26	4.05
Runoff Volume (cf):	21497	34664	62052	37842	11024

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	12.22	12.22	12.23	12.22	12.23
Flow Max (cfs):	3.22	5.95	2.78	10.48	6.03
Runoff Volume (in):	4.63	4.06	2.31	4.32	4.83
Runoff Volume (cf):	16791	29449	16503	52793	33301

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

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***** Basin Summary - 10024PST *****

Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	12.22	12.23	12.23	12.22	12.22
Flow Max (cfs):	4.41	6.21	5.53	0.50	6.61
Runoff Volume (in):	4.48	4.71	5.18	5.16	4.71
Runoff Volume (cf):	21645	35869	36653	2623	35869

Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	12.23	12.23	12.22	12.22	12.23
Flow Max (cfs):	4.97	2.07	1.37	1.77	3.68
Runoff Volume (in):	4.28	4.68	3.42	6.02	3.14
Runoff Volume (cf):	32658	12049	6199	8965	25960

Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PST	POND3PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40

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***** Basin Summary - 10024PST *****

Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00

Time Max (hrs):	12.23	12.22	12.23	12.22	12.22
Flow Max (cfs):	14.02	9.45	51.95	71.56	6.50
Runoff Volume (in):	4.01	3.93	3.86	3.93	4.08
Runoff Volume (cf):	77705	49682	297668	352771	34250

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00

Time Max (hrs):	12.23	12.23	12.23	12.25	12.22
Flow Max (cfs):	31.32	16.20	38.30	19.88	125.68
Runoff Volume (in):	4.64	3.78	3.46	2.74	10.30
Runoff Volume (cf):	185987	161968	265238	244255	698426

Basin Name:	OFF1POST	OFF2POST	OFF3POST	OFF4POST	OFF5POST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-6	POND-6	POND-6	POND-6	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

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 June 14, 2000

***** Basin Summary - 10024PST *****

Time of Conc. (min):	22.60	20.90	16.10	21.30	16.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	16.21	22.56	8.50	28.38	3.77
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	34.38	49.79	21.10	62.04	9.36
Runoff Volume (in):	3.56	3.56	3.56	3.56	3.56
Runoff Volume (cf):	209202	291153	109698	366264	48655

Basin Name:	OFF6POST	OFF7POST	OFF8POST	POND2PST	POND3PST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	POND-5	POND2PST	POND3PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	23.10	15.40	40.80	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	40.71	6.74	68.38	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	85.36	17.03	101.27	9.74	8.90
Runoff Volume (in):	3.56	3.56	3.56	2.31	2.44
Runoff Volume (cf):	525391	86985	882491	45573	41175

Basin Name:	POND4PST	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

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 June 14, 2000

***** Basin Summary - 10024PST *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	12.23	12.23	12.23	12.23	12.23
Flow Max (cfs):	10.34	3.99	3.97	4.19	5.56
Runoff Volume (in):	2.31	4.22	5.14	4.91	4.96
Runoff Volume (cf):	48363	27576	24613	25286	37485

Basin Name:	135	BASIN8-1	BASIN8-2	BASIN8-3	BASIN8-4
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND2PST	POND3PST	POND4PST	POND-6
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	10.00	10.00	10.00	14.90
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.60	1.78	1.80	2.27	7.73
Curve Number:	43.00	46.00	46.00	45.00	46.00
DCIA (%):	36.30	9.20	9.10	8.40	32.80
Time Max (hrs):	12.22	12.22	12.22	12.22	12.22
Flow Max (cfs):	5.78	5.41	5.46	6.57	27.76
Runoff Volume (in):	5.56	3.92	3.92	3.74	5.58
Runoff Volume (cf):	32292	25343	25582	30805	156571

Basin Name:	BASIN8-5	BASIN9-1	BASN10-1	POND-5	SOAK-5
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-5	POND-6	POND-6	SOAK-5	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SCSIII	SCSIII	SCSIII	SCSIII	SCSIII
Rainfall Amount (in):	10.40	10.40	10.40	10.40	10.40
Storm Duration (hr):	24.00	24.00	24.00	24.00	24.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.60	15.70	11.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	12.10	23.50	18.15	1.95	0.20
Curve Number:	44.00	45.00	41.00	39.00	39.00

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***** Basin Summary - 10024PST *****

DCIA (%):	18.60	16.90	7.90	0.00	0.00
Time Max (hrs):	12.22	12.23	12.23	12.23	12.23
Flow Max (cfs):	38.40	66.60	41.73	3.49	0.36
Runoff Volume (in):	4.36	4.35	3.19	2.31	2.31
Runoff Volume (cf):	191317	370842	210291	16336	1675

Basin Name: POND-6
Group Name: BASE
Node Name: LOSTLAKE
Hydrograph Type: SB

Spec Time Inc (min): 1.00
Comp Time Inc (min): 1.00
Rainfall File: SCSIII
Rainfall Amount (in): 10.40
Storm Duration (hr): 24.00
Status: ONSITE
Time of Conc. (min): 10.00
Lag Time (hr): 0.00
Area (acres): 10.64
Curve Number: 39.00
DCIA (%): 0.00

Time Max (hrs): 12.23
Flow Max (cfs): 19.05
Runoff Volume (in): 2.31
Runoff Volume (cf): 89136

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***** Basin Summary - 10096PST *****

Basin Name:	100A	100B	101A	101B	102
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1A	POND-1B	POND-1A	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.00	26.90	12.50	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.16	7.44	1.15	4.18	0.07
Curve Number:	39.00	39.00	48.00	48.00	39.00
DCIA (%):	0.00	0.00	0.00	0.00	42.90
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	7.29	25.13	3.64	18.03	0.36
Runoff Volume (in):	4.99	4.99	6.80	6.80	9.15
Runoff Volume (cf):	39105	134694	28389	103189	2326

Basin Name:	103	104	105	106	107
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	16.80	20.80	10.00	13.00	15.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.62	2.60	0.26	2.82	1.62
Curve Number:	43.00	44.00	39.00	40.00	39.00
DCIA (%):	12.90	22.30	38.50	20.60	51.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.35	10.01	1.30	11.52	8.09
Runoff Volume (in):	6.96	7.95	8.73	7.15	9.96
Runoff Volume (cf):	15655	75017	8236	73222	58570

Basin Name:	108	109	110	111	112
Basin Name:	108	109	110	111	112

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 June 14, 2000

***** Basin Summary - 10096PST *****

Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	17.50	13.60	15.50	14.10	13.50
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.60	1.95	1.82	2.40	1.28
Curve Number:	45.00	42.00	46.00	47.00	39.00
DCIA (%):	20.00	31.80	13.70	13.80	39.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	2.49	9.06	7.70	10.71	5.99
Runoff Volume (in):	7.91	8.50	7.54	7.72	8.78
Runoff Volume (cf):	17225	60151	49846	67279	40817

Basin Name:	113	114	115	116	117
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1A	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	14.80	13.60	22.20	12.70
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	0.94	2.34	1.65	2.17	0.94
Curve Number:	45.00	44.00	47.00	41.00	39.00
DCIA (%):	26.60	30.80	20.00	43.30	53.20
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.44	10.91	7.75	9.07	5.01
Runoff Volume (in):	8.47	8.69	8.22	9.43	10.15
Runoff Volume (cf):	28897	73788	49260	74260	34648

Basin Name:	118	119	120	121	122
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1A	POND-1B	POND-1B

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***** Basin Summary - 10096PST *****

Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	19.10	12.60	23.50	19.10	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	3.70	1.28	1.65	1.25	1.67
Curve Number:	47.00	46.00	39.00	45.00	43.00
DCIA (%):	14.60	22.70	40.00	20.00	15.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	14.90	6.13	6.33	5.01	7.46
Runoff Volume (in):	7.79	8.29	8.87	7.91	7.14
Runoff Volume (cf):	104592	38523	53139	35885	43300

Basin Name:	123	124	125	126	127
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.40	14.80	13.10	22.00	16.20
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.12	0.96	1.98	1.85	2.08
Curve Number:	44.00	45.00	42.00	46.00	43.00
DCIA (%):	15.20	17.70	10.60	22.70	31.70
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.29	4.15	7.76	7.27	9.31
Runoff Volume (in):	7.33	7.71	6.57	8.29	8.63
Runoff Volume (cf):	29807	26879	47221	55678	65140

Basin Name:	128	129	130	201	202
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1B	POND-1B	POND2PST	POND2PST
Hydrograph Type:	SB	SB	SB	SB	SB

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***** Basin Summary - 10096PST *****

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	33.10	14.50	10.00	20.60
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.49	1.75	3.51	2.45	0.75
Curve Number:	51.00	39.00	45.00	50.00	43.00
DCIA (%):	0.00	39.40	24.20	6.50	16.00
Time Max (hrs):	59.98	60.00	59.98	59.98	59.98
Flow Max (cfs):	7.29	5.60	16.01	12.15	2.69
Runoff Volume (in):	7.38	8.81	8.26	7.67	7.23
Runoff Volume (cf):	39890	55990	105307	68247	19688

Basin Name:	301	302	303	304	305
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	10.90	17.60	12.00	15.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.00	2.00	1.97	3.37	1.90
Curve Number:	39.00	44.00	39.00	46.00	46.00
DCIA (%):	29.00	14.50	0.00	14.80	22.10
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	4.59	8.96	5.54	15.49	8.62
Runoff Volume (in):	7.80	7.27	4.99	7.64	8.24
Runoff Volume (cf):	28328	52785	35665	93412	56840

Basin Name:	306	307	308	309	310
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00

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***** Basin Summary - 10096PST *****

	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall File:	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.20	16.80	23.40	10.00	14.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.33	2.10	1.95	0.14	2.10
Curve Number:	45.00	45.00	47.00	39.00	45.00
DCIA (%):	18.80	21.90	25.60	35.70	21.90
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	6.38	8.97	7.74	0.68	9.52
Runoff Volume (in):	7.81	8.07	8.68	8.45	8.07
Runoff Volume (cf):	37690	61516	61425	4297	61516

	311	312	313	314	315
Basin Name:	311	312	313	314	315
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND4PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	22.70	14.70	10.70	10.00	28.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	2.10	0.71	0.50	0.41	2.28
Curve Number:	44.00	39.00	47.00	48.00	45.00
DCIA (%):	17.62	29.62	0.00	36.60	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	60.00
Flow Max (cfs):	7.48	2.97	2.18	2.32	6.45
Runoff Volume (in):	7.54	7.86	6.61	9.69	6.21
Runoff Volume (cf):	57491	20268	11989	14424	51403

	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Basin Name:	BASIN-2	BASIN-3	BASIN-4A	BASIN-4B	BASIN-4C
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND2PST	POND3PST	POND4PST	POND4PST	POND4PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80

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 June 14, 2000

***** Basin Summary - 10096PST *****

Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	14.60	12.50	16.20	10.00	12.40
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	5.34	3.48	21.26	24.71	2.31
Curve Number:	42.00	42.00	42.00	42.00	42.00
DCIA (%):	17.00	16.00	15.00	16.00	18.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	21.45	14.51	80.93	108.54	9.82
Runoff Volume (in):	7.15	7.06	6.97	7.06	7.24
Runoff Volume (cf):	138634	89197	537906	633351	60734

Basin Name:	H	I	J	K	LAKE
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND-1A	POND-J	POND-K	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	18.10	45.00	24.80	55.60	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	11.04	11.80	21.10	24.60	18.68
Curve Number:	45.00	42.00	42.00	40.00	95.00
DCIA (%):	21.00	14.00	9.80	3.70	100.00
Time Max (hrs):	59.98	60.00	59.98	60.00	59.98
Flow Max (cfs):	45.53	26.34	63.46	39.33	141.14
Runoff Volume (in):	7.99	6.88	6.50	5.55	14.70
Runoff Volume (cf):	320336	294660	497640	495310	996706

Basin Name:	OFF1POST	OFF2POST	OFF3POST	OFF4POST	OFF5POST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-6	POND-6	POND-6	POND-6	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWD96	SJRWD96	SJRWD96	SJRWD96	SJRWD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

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***** Basin Summary - 10096PST *****

Time of Conc. (min):	22.60	20.90	16.10	21.30	16.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	16.21	22.56	8.50	28.38	3.77
Curve Number:	48.00	48.00	48.00	48.00	48.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	55.97	80.76	33.83	100.73	15.00
Runoff Volume (in):	6.80	6.80	6.80	6.80	6.80
Runoff Volume (cf):	400165	556924	209834	700598	93068

Basin Name:	OFF6POST	OFF7POST	OFF8POST	POND2PST	POND3PST
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	LOSTLAKE	LOSTLAKE	POND-5	POND2PST	POND3PST
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	23.10	15.40	40.80	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	40.71	6.74	68.38	5.44	4.64
Curve Number:	48.00	48.00	48.00	39.00	40.00
DCIA (%):	0.00	0.00	0.00	0.00	0.00
Time Max (hrs):	59.98	59.98	60.00	59.98	59.98
Flow Max (cfs):	139.11	27.25	170.74	18.37	16.32
Runoff Volume (in):	6.80	6.80	6.80	4.99	5.20
Runoff Volume (cf):	1004979	166386	1688052	98486	87501

Basin Name:	POND4PST	131	132	133	134
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND4PST	POND-1B	POND-1B	POND-1B	POND-1B
Hydrograph Type:	SB	SB	SB	SB	SB
Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.00	24.70	20.30	18.90	24.10
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00

GREATER PINES PHASES 8-10
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 June 14, 2000

***** Basin Summary - 10096PST *****

Area (acres):	5.77	1.80	1.32	1.42	2.08
Curve Number:	39.00	43.00	47.00	46.00	46.00
DCIA (%):	0.00	18.30	25.00	23.20	24.04
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	19.50	6.04	5.56	5.97	7.90
Runoff Volume (in):	4.99	7.44	8.63	8.33	8.40
Runoff Volume (cf):	104515	48588	41347	42950	63439

Basin Name:	135	BASIN8-1	BASIN8-2	BASIN8-3	BASIN8-4
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-1B	POND2PST	POND3PST	POND4PST	POND-6
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	13.60	10.00	10.00	10.00	14.90
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	1.60	1.78	1.80	2.27	7.73
Curve Number:	43.00	46.00	46.00	45.00	46.00
DCIA (%):	36.30	9.20	9.10	8.40	32.80
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	7.82	8.20	8.28	10.13	37.69
Runoff Volume (in):	9.04	7.17	7.16	6.92	9.13
Runoff Volume (cf):	52483	46340	46806	57053	256139

Basin Name:	BASIN8-5	BASIN9-1	BASN10-1	POND-5	SOAK-5
Group Name:	BASE	BASE	BASE	BASE	BASE
Node Name:	POND-5	POND-6	POND-6	SOAK-5	LOSTLAKE
Hydrograph Type:	SB	SB	SB	SB	SB

Spec Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Comp Time Inc (min):	1.00	1.00	1.00	1.00	1.00
Rainfall File:	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96	SJRWMD96
Rainfall Amount (in):	14.80	14.80	14.80	14.80	14.80
Storm Duration (hr):	96.00	96.00	96.00	96.00	96.00
Status:	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
Time of Conc. (min):	10.60	15.70	11.70	10.00	10.00
Lag Time (hr):	0.00	0.00	0.00	0.00	0.00
Area (acres):	12.10	23.50	18.15	1.95	0.20
Curve Number:	44.00	45.00	41.00	39.00	39.00

GREATER PINES PHASES 8-10
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***** Basin Summary - 10096PST *****

	18.60	16.90	7.90	0.00	0.00
DCIA (%):					
Time Max (hrs):	59.98	59.98	59.98	59.98	59.98
Flow Max (cfs):	56.26	99.02	69.31	6.59	0.68
Runoff Volume (in):	7.63	7.65	6.14	4.99	4.99
Runoff Volume (cf):	334995	652185	404257	35303	3621

 Basin Name: POND-6
 Group Name: BASE
 Node Name: LOSTLAKE
 Hydrograph Type: SB

Spec Time Inc (min): 1.00
 Comp Time Inc (min): 1.00
 Rainfall File: SJRWMD96
 Rainfall Amount (in): 14.80
 Storm Duration (hr): 96.00
 Status: ONSITE
 Time of Conc. (min): 10.00
 Lag Time (hr): 0.00
 Area (acres): 10.64
 Curve Number: 39.00
 DCIA (%): 0.00

Time Max (hrs): 59.98
 Flow Max (cfs): 35.93
 Runoff Volume (in): 4.99
 Runoff Volume (cf): 192627

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***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
*** Group: BASE			Node: LOSTLAKE							
0.000	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.256	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.506	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
0.756	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.006	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.256	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.506	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
1.756	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.006	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.256	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.506	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
2.756	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
3.006	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
3.256	83.00	18.68	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000
3.506	83.00	18.68	0.00	0.21	0.00	0.00	0.00	0.00	0.0022	0.0000
3.756	83.00	18.68	0.00	0.47	0.00	0.00	0.00	0.00	0.0092	0.0000
4.006	83.00	18.68	0.00	0.53	0.00	0.00	0.00	0.00	0.0196	0.0000
4.256	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0307	0.0000
4.506	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0419	0.0000
4.756	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0531	0.0000
5.006	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0644	0.0000
5.256	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0756	0.0000
5.506	83.00	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0869	0.0000
5.756	83.01	18.68	0.00	0.54	0.00	0.00	0.00	0.00	0.0981	0.0000
6.006	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1094	0.0000
6.256	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1206	0.0000
6.506	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1319	0.0000
6.756	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1431	0.0000
7.006	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1544	0.0000
7.256	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1656	0.0000
7.506	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1769	0.0000
7.756	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1881	0.0000
8.006	83.01	18.69	0.00	0.54	0.00	0.00	0.00	0.00	0.1994	0.0000
8.256	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2107	0.0000
8.506	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2220	0.0000
8.756	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2333	0.0000
9.006	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2446	0.0000
9.256	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2560	0.0000
9.506	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2673	0.0000
9.756	83.01	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2787	0.0000
10.006	83.02	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.2900	0.0000
10.256	83.02	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.3013	0.0000
10.506	83.02	18.69	0.00	0.55	0.00	0.00	0.00	0.00	0.3127	0.0000
10.756	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3240	0.0000
11.006	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3353	0.0000
11.256	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3467	0.0000

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 POST DEV CONDITION
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***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
11.506	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3580	0.0000
11.756	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3694	0.0000
12.006	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3807	0.0000
12.256	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.3920	0.0000
12.506	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4034	0.0000
12.756	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4147	0.0000
13.006	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4260	0.0000
13.256	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4374	0.0000
13.506	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4487	0.0000
13.756	83.02	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4600	0.0000
14.006	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4714	0.0000
14.256	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4827	0.0000
14.506	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.4941	0.0000
14.756	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.5054	0.0000
15.006	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.5167	0.0000
15.256	83.03	18.70	0.00	0.55	0.00	0.00	0.00	0.00	0.5281	0.0000
15.506	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5394	0.0000
15.756	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5507	0.0000
16.006	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5621	0.0000
16.256	83.03	18.71	0.00	0.55	0.00	0.00	0.00	0.00	0.5734	0.0000
16.506	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.5846	0.0000
16.756	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.5959	0.0000
17.006	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6071	0.0000
17.256	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6184	0.0000
17.506	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6296	0.0000
17.756	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6409	0.0000
18.006	83.03	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6521	0.0000
18.256	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6634	0.0000
18.506	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6746	0.0000
18.756	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6859	0.0000
19.006	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.6971	0.0000
19.256	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.7084	0.0000
19.506	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.7196	0.0000
19.756	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.7309	0.0000
20.006	83.04	18.71	0.00	0.54	0.00	0.00	0.00	0.00	0.7421	0.0000
20.256	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.7534	0.0000
20.506	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.7647	0.0000
20.756	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.7761	0.0000
21.006	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.7874	0.0000
21.256	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.7987	0.0000
21.506	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8101	0.0000
21.756	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8214	0.0000
22.006	83.04	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8328	0.0000
22.256	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8441	0.0000
22.506	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8554	0.0000
22.756	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8668	0.0000
23.006	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8781	0.0000

GREATER PINES PHASES 8-10
 POST DEV CONDITION
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***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
23.256	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.8894	0.0000
23.506	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.9008	0.0000
23.756	83.05	18.72	0.00	0.55	0.00	0.00	0.00	0.00	0.9121	0.0000
24.006	83.05	18.72	0.00	0.60	0.00	0.00	0.00	0.00	0.9239	0.0000
24.256	83.05	18.72	0.00	1.13	0.00	0.00	0.00	0.00	0.9418	0.0000
24.506	83.05	18.73	0.00	1.25	0.00	0.00	0.00	0.00	0.9665	0.0000
24.756	83.05	18.73	0.00	1.28	0.00	0.00	0.00	0.00	0.9926	0.0000
25.006	83.05	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.0191	0.0000
25.256	83.06	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.0457	0.0000
25.506	83.06	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.0723	0.0000
25.756	83.06	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.0989	0.0000
26.006	83.06	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.1256	0.0000
26.256	83.06	18.73	0.00	1.29	0.00	0.00	0.00	0.00	1.1522	0.0000
26.506	83.06	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.1788	0.0000
26.756	83.06	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.2054	0.0000
27.006	83.07	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.2320	0.0000
27.256	83.07	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.2586	0.0000
27.506	83.07	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.2852	0.0000
27.756	83.07	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.3118	0.0000
28.006	83.07	18.74	0.00	1.29	0.00	0.00	0.00	0.00	1.3384	0.0000
28.256	83.07	18.74	0.00	1.32	0.00	0.00	0.00	0.00	1.3654	0.0000
28.506	83.07	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.3928	0.0000
28.756	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.4202	0.0000
29.006	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.4477	0.0000
29.256	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.4752	0.0000
29.506	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.5027	0.0000
29.756	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.5302	0.0000
30.006	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.5576	0.0000
30.256	83.08	18.75	0.00	1.33	0.00	0.00	0.00	0.00	1.5851	0.0000
30.506	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.6126	0.0000
30.756	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.6401	0.0000
31.006	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.6676	0.0000
31.256	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.6951	0.0000
31.506	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.7225	0.0000
31.756	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.7500	0.0000
32.006	83.09	18.76	0.00	1.33	0.00	0.00	0.00	0.00	1.7775	0.0000
32.256	83.10	18.76	0.00	1.30	0.00	0.00	0.00	0.00	1.8046	0.0000
32.506	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.8313	0.0000
32.756	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.8579	0.0000
33.006	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.8845	0.0000
33.256	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.9111	0.0000
33.506	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.9377	0.0000
33.756	83.10	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.9643	0.0000
34.006	83.11	18.77	0.00	1.29	0.00	0.00	0.00	0.00	1.9910	0.0000
34.256	83.11	18.77	0.00	1.29	0.00	0.00	0.00	0.00	2.0176	0.0000
34.506	83.11	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.0442	0.0000
34.756	83.11	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.0708	0.0000

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
35.006	83.11	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.0974	0.0000
35.256	83.11	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.1240	0.0000
35.506	83.11	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.1506	0.0000
35.756	83.12	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.1772	0.0000
36.006	83.12	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.2038	0.0000
36.256	83.12	18.78	0.00	1.29	0.00	0.00	0.00	0.00	2.2304	0.0000
36.506	83.12	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.2570	0.0000
36.756	83.12	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.2836	0.0000
37.006	83.12	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.3102	0.0000
37.256	83.12	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.3368	0.0000
37.506	83.13	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.3635	0.0000
37.756	83.13	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.3901	0.0000
38.006	83.13	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.4167	0.0000
38.256	83.13	18.79	0.00	1.29	0.00	0.00	0.00	0.00	2.4433	0.0000
38.506	83.13	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.4699	0.0000
38.756	83.13	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.4965	0.0000
39.006	83.13	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.5231	0.0000
39.256	83.14	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.5497	0.0000
39.506	83.14	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.5763	0.0000
39.756	83.14	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.6029	0.0000
40.006	83.14	18.80	0.00	1.29	0.00	0.00	0.00	0.00	2.6295	0.0000
40.256	83.14	18.80	0.00	1.32	0.00	0.00	0.00	0.00	2.6565	0.0000
40.506	83.14	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.6839	0.0000
40.756	83.14	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.7113	0.0000
41.006	83.15	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.7388	0.0000
41.256	83.15	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.7663	0.0000
41.506	83.15	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.7938	0.0000
41.756	83.15	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.8213	0.0000
42.006	83.15	18.81	0.00	1.33	0.00	0.00	0.00	0.00	2.8488	0.0000
42.256	83.15	18.82	0.00	1.33	0.00	0.00	0.00	0.00	2.8762	0.0000
42.506	83.15	18.82	0.00	1.33	0.00	0.00	0.00	0.00	2.9037	0.0000
42.756	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	2.9312	0.0000
43.006	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	2.9587	0.0000
43.256	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	2.9862	0.0000
43.506	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	3.0137	0.0000
43.756	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	3.0411	0.0000
44.006	83.16	18.82	0.00	1.33	0.00	0.00	0.00	0.00	3.0686	0.0000
44.256	83.17	18.83	0.00	1.30	0.00	0.00	0.00	0.00	3.0957	0.0000
44.506	83.17	18.83	0.00	1.29	0.00	0.00	0.00	0.00	3.1224	0.0000
44.756	83.17	18.83	0.00	1.29	0.00	0.00	0.00	0.00	3.1490	0.0000
45.006	83.17	18.83	0.00	1.29	0.00	0.00	0.00	0.00	3.1756	0.0000
45.256	83.17	18.83	0.00	1.29	0.00	0.00	0.00	0.00	3.2023	0.0000
45.506	83.17	18.83	0.00	1.29	0.00	0.00	0.00	0.00	3.2289	0.0000
45.756	83.17	18.83	0.00	1.30	0.00	0.00	0.00	0.00	3.2557	0.0000
46.006	83.18	18.83	0.00	1.31	0.00	0.00	0.00	0.00	3.2826	0.0000
46.256	83.18	18.84	0.00	1.32	0.00	0.00	0.00	0.00	3.3098	0.0000
46.506	83.18	18.84	0.00	1.33	0.00	0.00	0.00	0.00	3.3371	0.0000

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
46.756	83.18	18.84	0.00	1.34	0.00	0.00	0.00	0.00	3.3647	0.0000
47.006	83.18	18.84	0.00	1.35	0.00	0.00	0.00	0.00	3.3925	0.0000
47.256	83.18	18.84	0.00	1.36	0.00	0.00	0.00	0.00	3.4205	0.0000
47.506	83.18	18.84	0.00	1.37	0.00	0.00	0.00	0.00	3.4487	0.0000
47.756	83.19	18.84	0.00	1.38	0.00	0.00	0.00	0.00	3.4772	0.0000
48.006	83.19	18.84	0.00	1.42	0.00	0.00	0.00	0.00	3.5062	0.0000
48.256	83.19	18.85	0.00	1.78	0.00	0.00	0.00	0.00	3.5392	0.0000
48.506	83.19	18.85	0.00	1.87	0.00	0.00	0.00	0.00	3.5769	0.0000
48.756	83.19	18.85	0.00	1.91	0.00	0.00	0.00	0.00	3.6161	0.0000
49.006	83.19	18.85	0.00	1.94	0.00	0.00	0.00	0.00	3.6558	0.0000
49.256	83.20	18.85	0.00	1.96	0.00	0.00	0.00	0.00	3.6961	0.0000
49.506	83.20	18.86	0.00	1.98	0.00	0.00	0.00	0.00	3.7367	0.0000
49.756	83.20	18.86	0.00	2.00	0.00	0.00	0.00	0.00	3.7777	0.0000
50.006	83.20	18.86	0.00	2.04	0.00	0.00	0.00	0.00	3.8194	0.0000
50.256	83.21	18.86	0.00	2.29	0.00	0.00	0.00	0.00	3.8642	0.0000
50.506	83.21	18.86	0.00	2.38	0.00	0.00	0.00	0.00	3.9124	0.0000
50.756	83.21	18.87	0.00	2.42	0.00	0.00	0.00	0.00	3.9619	0.0000
51.006	83.21	18.87	0.00	2.45	0.00	0.00	0.00	0.00	4.0122	0.0000
51.256	83.22	18.87	0.00	2.47	0.00	0.00	0.00	0.00	4.0630	0.0000
51.506	83.22	18.87	0.00	2.50	0.00	0.00	0.00	0.00	4.1143	0.0000
51.756	83.22	18.88	0.00	2.52	0.00	0.00	0.00	0.00	4.1661	0.0000
52.006	83.22	18.88	0.00	2.57	0.00	0.00	0.00	0.00	4.2188	0.0000
52.256	83.23	18.88	0.00	3.02	0.00	0.00	0.00	0.00	4.2766	0.0000
52.506	83.23	18.88	0.00	3.16	0.00	0.00	0.00	0.00	4.3405	0.0000
52.756	83.23	18.89	0.00	3.23	0.00	0.00	0.00	0.00	4.4065	0.0000
53.006	83.24	18.89	0.00	3.28	0.00	0.00	0.00	0.00	4.4737	0.0000
53.256	83.24	18.89	0.00	3.32	0.00	0.00	0.00	0.00	4.5418	0.0000
53.506	83.25	18.90	0.00	3.35	0.00	0.00	0.00	0.00	4.6107	0.0000
53.756	83.25	18.90	0.00	3.39	0.00	0.00	0.00	0.00	4.6803	0.0000
54.006	83.25	18.90	0.00	3.47	0.00	0.00	0.00	0.00	4.7511	0.0000
54.256	83.26	18.91	0.00	4.09	0.00	0.00	0.00	0.00	4.8292	0.0000
54.506	83.26	18.91	0.00	4.29	0.00	0.00	0.00	0.00	4.9157	0.0000
54.756	83.27	18.91	0.00	4.39	0.00	0.00	0.00	0.00	5.0054	0.0000
55.006	83.27	18.92	0.00	4.47	0.00	0.00	0.00	0.00	5.0969	0.0000
55.256	83.28	18.92	0.00	4.54	0.00	0.00	0.00	0.00	5.1900	0.0000
55.506	83.28	18.93	0.00	4.60	0.00	0.00	0.00	0.00	5.2843	0.0000
55.756	83.29	18.93	0.00	4.66	0.00	0.00	0.00	0.00	5.3800	0.0000
56.006	83.29	18.94	0.00	4.88	0.00	0.00	0.00	0.00	5.4786	0.0000
56.256	83.30	18.94	0.00	6.56	0.00	0.00	0.00	0.00	5.5968	0.0000
56.506	83.30	18.95	0.00	7.13	0.00	0.00	0.00	0.00	5.7382	0.0000
56.756	83.31	18.96	0.00	7.41	0.00	0.00	0.00	0.00	5.8884	0.0000
57.006	83.32	18.96	0.00	7.59	0.00	0.00	0.00	0.00	6.0433	0.0000
57.256	83.33	18.97	0.00	7.74	0.00	0.00	0.00	0.00	6.2017	0.0000
57.506	83.34	18.98	0.00	7.88	0.00	0.00	0.00	0.00	6.3631	0.0000
57.756	83.35	18.99	0.00	8.01	0.00	0.00	0.00	0.00	6.5273	0.0000
58.006	83.36	18.99	0.00	8.41	0.00	0.00	0.00	0.00	6.6969	0.0000
58.256	83.37	19.00	0.00	12.70	0.00	0.00	0.00	0.00	6.9150	0.0000

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GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
58.506	83.38	19.02	0.00	14.24	0.00	0.00	0.00	0.00	7.1933	0.0000
58.750	83.40	19.03	0.00	15.00	0.00	0.00	0.00	0.00	7.4886	0.0000
59.001	83.41	19.04	0.00	15.96	0.00	0.00	0.00	0.00	7.8099	0.0000
59.254	83.44	19.07	0.00	24.72	0.00	0.00	12.44	0.00	8.3641	0.0000
59.505	83.49	19.11	0.00	38.14	0.00	0.00	17.70	0.00	9.3305	0.0000
59.751	83.65	19.26	0.00	188.21	0.00	0.00	77.78	0.00	12.5994	0.0000
60.000	84.02	19.57	0.00	254.02	0.00	0.00	194.48	0.00	19.9635	0.0000
60.251	84.50	20.05	0.00	129.22	0.00	0.00	292.15	0.00	28.9692	0.0000
60.500	84.89	20.45	0.00	89.48	0.00	0.00	255.99	0.00	36.8766	0.0000
60.753	85.19	20.74	0.00	56.43	0.00	0.00	197.96	0.00	43.1333	0.0000
61.000	85.41	20.94	0.00	43.82	0.00	0.00	152.28	0.00	47.7408	0.0000
61.252	85.58	21.10	0.00	31.47	0.00	0.00	117.42	0.00	51.3222	0.0000
61.501	85.71	21.22	0.00	26.63	0.00	0.00	93.21	0.00	54.0876	0.0000
61.752	85.82	21.32	0.00	24.52	0.00	0.00	77.93	0.00	56.3952	0.0000
62.001	85.91	21.40	0.00	23.18	0.00	0.00	68.41	0.00	58.3920	0.0000
62.251	86.00	21.48	0.00	17.67	0.00	0.00	70.11	0.00	60.2460	0.0000
62.502	86.08	21.56	0.00	15.69	0.00	0.00	63.18	0.00	61.9713	0.0000
62.752	86.15	21.62	0.00	14.89	0.00	0.00	56.96	0.00	63.5285	0.0000
63.003	86.22	21.69	0.00	14.54	0.00	0.00	52.82	0.00	64.9765	0.0000
63.251	86.28	21.74	0.00	14.39	0.00	0.00	50.27	0.00	66.3265	0.0000
63.505	86.34	21.80	0.00	14.33	0.00	0.00	48.66	0.00	67.6657	0.0000
63.751	86.40	21.85	0.00	14.32	0.00	0.00	47.72	0.00	68.9402	0.0000
64.005	86.46	21.91	0.00	14.13	0.00	0.00	47.00	0.00	70.2297	0.0000
64.251	86.52	21.96	0.00	10.79	0.00	0.00	42.62	0.00	71.3972	0.0000
64.505	86.56	22.00	0.00	9.59	0.00	0.00	37.35	0.00	72.4477	0.0000
64.751	86.61	22.04	0.00	9.12	0.00	0.00	34.00	0.00	73.3657	0.0000
65.005	86.64	22.08	0.00	8.92	0.00	0.00	31.86	0.00	74.2441	0.0000
65.251	86.68	22.11	0.00	8.83	0.00	0.00	30.57	0.00	75.0612	0.0000
65.505	86.72	22.15	0.00	8.79	0.00	0.00	29.73	0.00	75.8768	0.0000
65.751	86.75	22.18	0.00	8.77	0.00	0.00	29.23	0.00	76.6568	0.0000
66.005	86.79	22.21	0.00	8.77	0.00	0.00	28.91	0.00	77.4491	0.0000
66.251	86.82	22.25	0.00	8.78	0.00	0.00	28.73	0.00	78.2155	0.0000
66.505	86.86	22.28	0.00	8.79	0.00	0.00	28.63	0.00	78.9999	0.0000
66.751	86.89	22.31	0.00	8.80	0.00	0.00	28.59	0.00	79.7623	0.0000
67.005	86.93	22.34	0.00	8.81	0.00	0.00	28.58	0.00	80.5451	0.0000
67.251	86.96	22.38	0.00	8.82	0.00	0.00	28.59	0.00	81.3074	0.0000
67.505	87.00	22.41	0.00	8.84	0.00	0.00	28.62	0.00	82.0911	0.0000
67.751	87.03	22.56	0.00	8.85	0.00	0.00	28.57	0.00	82.8542	0.0000
68.005	87.07	22.73	0.00	8.69	0.00	0.00	28.42	0.00	83.6343	0.0000
68.251	87.10	22.88	0.00	6.99	0.00	0.00	26.41	0.00	84.3530	0.0000
68.505	87.13	23.02	0.00	6.38	0.00	0.00	23.83	0.00	85.0189	0.0000
68.751	87.15	23.14	0.00	6.14	0.00	0.00	22.17	0.00	85.6155	0.0000
69.001	87.18	23.26	0.00	6.04	0.00	0.00	21.09	0.00	86.1882	0.0000
69.251	87.20	23.37	0.00	5.99	0.00	0.00	20.41	0.00	86.7411	0.0000
69.501	87.22	23.48	0.00	5.97	0.00	0.00	19.97	0.00	87.2817	0.0000
69.751	87.25	23.59	0.00	5.96	0.00	0.00	19.68	0.00	87.8145	0.0000
70.001	87.27	23.70	0.00	5.96	0.00	0.00	19.50	0.00	88.3424	0.0000

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GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->				Link Q (cfs)	Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)				
70.251	87.29	23.81	0.00	5.95	0.00	0.00	19.39	0.00	88.8672	0.0000
70.501	87.31	23.91	0.00	5.96	0.00	0.00	19.31	0.00	89.3900	0.0000
70.751	87.33	24.02	0.00	5.96	0.00	0.00	19.27	0.00	89.9118	0.0000
71.001	87.36	24.12	0.00	5.97	0.00	0.00	19.25	0.00	90.4329	0.0000
71.251	87.38	24.22	0.00	5.97	0.00	0.00	19.25	0.00	90.9540	0.0000
71.501	87.40	24.33	0.00	5.98	0.00	0.00	19.25	0.00	91.4751	0.0000
71.751	87.42	24.43	0.00	5.98	0.00	0.00	19.26	0.00	91.9964	0.0000
72.001	87.44	24.53	0.00	5.87	0.00	0.00	19.17	0.00	92.5159	0.0000
72.251	87.46	24.63	0.00	4.17	0.00	0.00	17.41	0.00	92.9976	0.0000
72.501	87.48	24.71	0.00	3.58	0.00	0.00	15.29	0.00	93.4154	0.0000
72.751	87.49	24.78	0.00	3.33	0.00	0.00	15.37	0.00	93.8036	0.0000
73.001	87.51	24.86	0.00	3.23	0.00	0.00	16.56	0.00	94.2012	0.0000
73.251	87.53	24.94	0.00	3.17	0.00	0.00	17.47	0.00	94.6188	0.0000
73.501	87.54	25.02	0.00	3.15	0.00	0.00	17.77	0.00	95.0481	0.0000
73.751	87.56	25.10	0.00	3.14	0.00	0.00	14.54	0.00	95.4469	0.0000
74.008	87.58	25.19	0.00	3.13	0.00	0.00	17.12	0.00	95.8492	0.0000
74.256	87.60	25.27	0.00	3.13	0.00	0.00	16.99	0.00	96.2634	0.0000
74.505	87.61	25.35	0.00	3.13	0.00	0.00	16.54	0.00	96.6717	0.0000
74.753	87.63	25.42	0.00	3.13	0.00	0.00	14.01	0.00	97.0495	0.0000
75.002	87.64	25.50	0.00	3.13	0.00	0.00	16.42	0.00	97.4275	0.0000
75.258	87.66	25.58	0.00	3.13	0.00	0.00	16.26	0.00	97.8395	0.0000
75.507	87.68	25.65	0.00	3.13	0.00	0.00	15.40	0.00	98.2286	0.0000
75.755	87.69	25.72	0.00	3.13	0.00	0.00	16.07	0.00	98.6163	0.0000
76.002	87.71	25.80	0.00	3.14	0.00	0.00	15.20	0.00	98.9989	0.0000
76.253	87.72	25.87	0.00	3.15	0.00	0.00	15.97	0.00	99.3877	0.0000
76.502	87.74	25.94	0.00	3.16	0.00	0.00	15.96	0.00	99.7807	0.0000
76.756	87.75	26.02	0.00	3.16	0.00	0.00	15.96	0.00	100.1816	0.0000
77.001	87.77	26.09	0.00	3.17	0.00	0.00	19.15	0.00	100.6010	0.0000
77.250	87.78	26.16	0.00	3.17	0.00	0.00	15.96	0.00	101.0289	0.0000
77.501	87.80	26.23	0.00	3.17	0.00	0.00	15.97	0.00	101.4251	0.0000
77.750	87.81	26.31	0.00	3.17	0.00	0.00	15.98	0.00	101.8194	0.0000
78.000	87.83	26.38	0.00	3.17	0.00	0.00	15.98	0.00	102.2149	0.0000
78.250	87.84	26.45	0.00	3.17	0.00	0.00	15.23	0.00	102.6029	0.0000
78.507	87.86	26.52	0.00	3.17	0.00	0.00	16.00	0.00	103.0012	0.0000
78.753	87.87	26.60	0.00	3.18	0.00	0.00	16.01	0.00	103.3913	0.0000
79.007	87.89	26.67	0.00	3.18	0.00	0.00	16.02	0.00	103.7937	0.0000
79.251	87.90	26.74	0.00	3.18	0.00	0.00	16.03	0.00	104.1814	0.0000
79.501	87.92	26.81	0.00	3.18	0.00	0.00	12.60	0.00	104.5438	0.0000
79.754	87.93	26.88	0.00	3.18	0.00	0.00	15.32	0.00	104.9021	0.0000
80.004	87.95	26.95	0.00	3.18	0.00	0.00	16.06	0.00	105.2914	0.0000
80.252	87.96	27.02	0.00	3.17	0.00	0.00	16.05	0.00	105.6847	0.0000
80.503	87.98	27.09	0.00	3.16	0.00	0.00	17.90	0.00	106.1031	0.0000
80.755	87.99	27.16	0.00	3.16	0.00	0.00	16.03	0.00	106.5217	0.0000
81.003	88.00	27.21	0.00	3.16	0.00	0.00	16.03	0.00	106.9154	0.0000
81.252	88.02	27.23	0.00	3.16	0.00	0.00	15.99	0.00	107.3105	0.0000
81.501	88.03	27.24	0.00	3.16	0.00	0.00	16.02	0.00	107.7043	0.0000
81.753	88.05	27.26	0.00	3.17	0.00	0.00	-0.32	0.00	107.9340	0.0000

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GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	<-----Inflow----->					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
82.006	88.06	27.27	0.00	3.17	0.00	0.00	16.02	0.00	108.1645	0.0000
82.256	88.08	27.29	0.00	3.17	0.00	0.00	16.03	0.00	108.5609	0.0000
82.502	88.09	27.30	0.00	3.17	0.00	0.00	16.03	0.00	108.9512	0.0000
82.751	88.11	27.31	0.00	3.17	0.00	0.00	15.16	0.00	109.3372	0.0000
83.004	88.12	27.33	0.00	3.17	0.00	0.00	16.04	0.00	109.7295	0.0000
83.252	88.14	27.34	0.00	3.17	0.00	0.00	16.00	0.00	110.1236	0.0000
83.506	88.15	27.36	0.00	3.18	0.00	0.00	15.97	0.00	110.5254	0.0000
83.751	88.16	27.37	0.00	3.18	0.00	0.00	16.06	0.00	110.9143	0.0000
84.001	88.18	27.38	0.00	3.18	0.00	0.00	16.07	0.00	111.3121	0.0000
84.256	88.19	27.40	0.00	3.18	0.00	0.00	16.08	0.00	111.7174	0.0000
84.504	88.21	27.41	0.00	3.18	0.00	0.00	16.09	0.00	112.1125	0.0000
84.751	88.22	27.43	0.00	3.18	0.00	0.00	15.78	0.00	112.5027	0.0000
85.002	88.24	27.44	0.00	3.18	0.00	0.00	16.10	0.00	112.8992	0.0000
85.251	88.25	27.45	0.00	3.18	0.00	0.00	16.11	0.00	113.2953	0.0000
85.506	88.27	27.47	0.00	3.19	0.00	0.00	16.12	0.00	113.7016	0.0000
85.752	88.28	27.48	0.00	3.19	0.00	0.00	16.13	0.00	114.0950	0.0000
86.004	88.30	27.50	0.00	3.19	0.00	0.00	10.58	0.00	114.4395	0.0000
86.251	88.31	27.51	0.00	3.19	0.00	0.00	16.13	0.00	114.7766	0.0000
86.500	88.32	27.52	0.00	3.19	0.00	0.00	16.15	0.00	115.1758	0.0000
86.750	88.34	27.54	0.00	3.19	0.00	0.00	16.16	0.00	115.5753	0.0000
87.002	88.35	27.55	0.00	3.19	0.00	0.00	16.17	0.00	115.9775	0.0000
87.251	88.37	27.57	0.00	3.19	0.00	0.00	15.33	0.00	116.3684	0.0000
87.500	88.38	27.58	0.00	3.20	0.00	0.00	13.20	0.00	116.7272	0.0000
87.756	88.40	27.60	0.00	3.20	0.00	0.00	16.19	0.00	117.1062	0.0000
88.004	88.41	27.61	0.00	3.20	0.00	0.00	15.87	0.00	117.4992	0.0000
88.252	88.43	27.62	0.00	3.22	0.00	0.00	10.15	0.00	117.8315	0.0000
88.505	88.44	27.64	0.00	3.22	0.00	0.00	16.26	0.00	118.1756	0.0000
88.753	88.46	27.65	0.00	3.23	0.00	0.00	16.28	0.00	118.5747	0.0000
89.002	88.47	27.67	0.00	3.23	0.00	0.00	16.36	0.00	118.9773	0.0000
89.250	88.48	27.68	0.00	3.23	0.00	0.00	16.33	0.00	119.3781	0.0000
89.505	88.50	27.69	0.00	3.23	0.00	0.00	16.34	0.00	119.7904	0.0000
89.753	88.51	27.71	0.00	3.23	0.00	0.00	16.36	0.00	120.1914	0.0000
90.000	88.53	27.72	0.00	3.23	0.00	0.00	16.38	0.00	120.5921	0.0000
90.251	88.54	27.74	0.00	3.24	0.00	0.00	16.39	0.00	120.9988	0.0000
90.505	88.56	27.75	0.00	3.24	0.00	0.00	16.40	0.00	121.4108	0.0000
90.752	88.57	27.76	0.00	3.24	0.00	0.00	16.41	0.00	121.8123	0.0000
91.000	88.59	27.78	0.00	3.24	0.00	0.00	16.39	0.00	122.2147	0.0000
91.254	88.60	27.79	0.00	3.24	0.00	0.00	16.44	0.00	122.6266	0.0000
91.504	88.62	27.81	0.00	3.24	0.00	0.00	9.41	0.00	122.9606	0.0000
91.753	88.63	27.82	0.00	3.24	0.00	0.00	16.45	0.00	123.2938	0.0000
92.001	88.64	27.84	0.00	3.24	0.00	0.00	16.46	0.00	123.6974	0.0000
92.251	88.66	27.85	0.00	3.23	0.00	0.00	16.45	0.00	124.1040	0.0000
92.501	88.67	27.86	0.00	3.22	0.00	0.00	16.44	0.00	124.5110	0.0000
92.751	88.69	27.88	0.00	3.22	0.00	0.00	16.43	0.00	124.9169	0.0000
93.003	88.70	27.89	0.00	3.22	0.00	0.00	16.42	0.00	125.3270	0.0000
93.253	88.72	27.91	0.00	3.22	0.00	0.00	15.98	0.00	125.7281	0.0000
93.500	88.73	27.92	0.00	3.23	0.00	0.00	16.42	0.00	126.1247	0.0000

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Node Time Series by Node - 2596PST *****

Time (hrs)	Stage (ft)	Surface Ar.(ac)	-----Inflow-----					Link Outflow (cfs)	Cumulative Volume In (ac.ft)	Cumulative Volume Out (ac.ft)
			Base Q (cfs)	Onsite (cfs)	Offsite (cfs)	Bndry Q (cfs)	Link Q (cfs)			
93.750	88.75	27.93	0.00	3.23	0.00	0.00	12.04	0.00	126.4852	0.0000
94.001	88.76	27.95	0.00	3.23	0.00	0.00	16.42	0.00	126.8469	0.0000
94.253	88.78	27.96	0.00	3.23	0.00	0.00	16.42	0.00	127.2572	0.0000
94.502	88.79	27.98	0.00	3.23	0.00	0.00	7.01	0.00	127.5645	0.0000
94.754	88.81	27.99	0.00	3.23	0.00	0.00	16.43	0.00	127.8757	0.0000
95.005	88.82	28.01	0.00	3.23	0.00	0.00	16.43	0.00	128.2829	0.0000
95.254	88.83	28.02	0.00	3.23	0.00	0.00	16.44	0.00	128.6880	0.0000
95.505	88.85	28.03	0.00	3.23	0.00	0.00	16.45	0.00	129.0961	0.0000
95.751	88.86	28.05	0.00	3.23	0.00	0.00	16.45	0.00	129.4971	0.0000
96.003	88.88	28.06	0.00	2.92	0.00	0.00	30.88	0.00	130.0520	0.0000

**POLLUTION ABATEMENT
AND RECOVERY**

V. Pollution Abatement and Recovery

Pollution abatement volume (PAV) has been provided in the proposed retention ponds 5 and 6 for the portions of the site to be developed as either residential, roadway, developed open area, or the retention ponds themselves. Tables 5.1 and 5.2 show the calculations used to decide the pollution abatement volumes for each drainage basin. The pollution abatement volume for Phases 5-7 are shown in Table 5.1 and for Phases 8-10 are shown in Table 5.2. Table 5.3 summaries the Total Pollution Abatement Volumes. This analysis does not take into account the soakage/spreader ponds drawdown. This volume is taken into the retention ponds (Ponds 2,3,4,5&6) and the retention pond volumes were then investigated to insure the ponds would hold the entire abatement volume without an overflow. Table 5.4 and 5.5 shows the Post Development Retention Pond Stage/Area and Storage Volume. In addition, soakage swales/ponds have been included as part of the retention system to enhance water quality of Lost Lake, however, these swales/ponds have not been included in the pollution abatement recovery analysis.

The pollution abatement volume was again investigated to insure the volume in the retention ponds would recharge within the 72-hour period regulation. Drawdown was done for each retention pond using Modret. Parameters used in the model were obtained from the soil report done by Nodarse and Associates, included herewith as separate attachment. The pollution abatement drawdown results from the Modret analysis for each retention pond are enclosed.

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Node Maximum Conditions - 2524PST *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	24.00	85.69	92.00	0.0032	923057.26	12.34	221.36	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	20.13	137.06	138.00	0.0088	70944.98	12.71	28.89	12.80	10.31
POND-1B	BASE	20.13	137.06	138.00	0.0057	251523.20	12.25	135.10	20.13	8.90
POND-5	BASE	12.39	91.57	92.00	0.0100	39700.57	12.25	89.82	12.39	77.69
POND-6	BASE	13.56	91.37	92.00	0.0054	207492.12	12.25	197.69	13.56	39.81
POND-J	BASE	12.72	142.58	144.00	0.0060	22813.24	12.25	24.55	12.72	14.39
POND-K	BASE	14.04	168.39	168.00	0.0074	13492.13	12.25	11.50	14.04	6.30
POND2PST	BASE	24.00	115.05	120.00	0.0051	68192.06	12.25	24.75	0.00	0.00
POND3PST	BASE	24.00	96.55	105.00	0.0014	54042.36	12.25	14.72	0.00	0.00
POND4PST	BASE	24.00	92.98	95.00	0.0060	135829.07	12.25	139.11	0.00	0.00
SOAK-5	BASE	12.40	87.41	87.00	0.0100	9606.66	12.39	79.06	12.40	78.98

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Node Maximum Conditions - 2596PST *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	96.00	88.88	92.00	0.0051	1222329.56	60.09	473.85	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	61.23	137.22	138.00	0.0100	73132.89	60.00	77.39	60.45	33.60
POND-1B	BASE	61.24	137.20	138.00	0.0055	255333.50	60.00	233.86	61.24	59.74
POND-5	BASE	60.04	91.87	92.00	0.0067	40878.87	60.00	153.15	60.04	146.49
POND-6	BASE	60.31	91.97	92.00	0.0083	215713.02	60.00	323.44	60.31	173.15
POND-J	BASE	60.42	142.67	144.00	0.0087	22508.99	60.40	44.28	60.42	44.18
POND-K	BASE	60.48	168.70	168.00	0.0098	11063.45	60.00	24.66	60.48	20.25
POND2PST	BASE	64.35	118.89	120.00	0.0100	88299.47	61.22	64.22	64.35	22.11
POND3PST	BASE	73.58	104.21	105.00	0.0096	77928.02	60.00	25.47	73.58	7.03
POND4PST	BASE	62.47	93.68	95.00	0.0100	139824.91	60.00	220.41	62.47	13.27
SOAK-5	BASE	96.00	88.88	87.00	0.0100	12815.17	60.04	150.15	60.05	150.02

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Node Maximum Conditions - 10096PST *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	96.00	91.93	92.00	0.0040	1361767.00	60.03	873.39	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	61.09	138.30	138.00	0.0065	88199.77	60.02	148.52	60.25	83.01
POND-1B	BASE	61.09	138.28	138.00	0.0061	283536.33	60.00	358.65	61.09	131.67
POND-5	BASE	60.03	92.13	92.00	0.0066	41901.01	60.00	225.39	60.03	216.90
POND-6	BASE	60.15	92.57	92.00	0.0086	223797.68	60.00	472.07	60.15	355.18
POND-J	BASE	60.04	142.78	144.00	0.0086	22105.31	60.02	98.14	60.04	97.81
POND-K	BASE	60.08	168.96	168.00	0.0076	9034.20	60.00	39.32	60.08	37.99
POND2PST	BASE	62.14	119.67	120.00	0.0100	92339.50	60.18	164.25	62.14	113.20
POND3PST	BASE	63.05	105.23	105.00	0.0100	83932.12	62.07	115.98	63.05	102.32
POND4PST	BASE	60.46	94.03	95.00	0.0100	141788.76	60.00	319.87	63.11	112.12
SOAK-5	BASE	96.00	91.93	87.00	0.0100	19444.52	60.03	222.82	60.04	222.64

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 June 14, 2000

***** Node Maximum Conditions - 10024PST *****

(Time units - hours)

Node Name	Group Name	Max Time Conditions	Max Stage (ft)	Warning Stage (ft)	Max Delta Stage (ft)	Max Surface Area (sf)	Max Time Inflow	Max Inflow (cfs)	Max Time Outflow	Max Outflow (cfs)
LOSTLAKE	BASE	24.00	87.22	92.00	0.0045	1021572.54	12.25	369.37	0.00	0.00
OFFEAST	BASE	0.00	136.00	137.00	0.0000	0.00	0.00	0.00	0.00	0.00
POND-1A	BASE	14.62	137.17	138.00	0.0085	72489.15	12.38	61.41	13.07	24.57
POND-1B	BASE	14.63	137.16	138.00	0.0053	254250.22	12.21	158.45	14.63	42.39
POND-5	BASE	12.30	91.81	92.00	0.0100	40621.66	12.25	137.42	12.30	130.26
POND-6	BASE	12.83	91.74	92.00	0.0049	212496.81	12.25	295.79	12.83	113.73
POND-J	BASE	12.39	142.63	144.00	0.0053	22618.18	12.25	37.83	12.39	32.27
POND-K	BASE	13.12	168.60	168.00	0.0066	11876.07	12.25	19.88	13.12	14.70
POND2PST	BASE	18.24	118.85	120.00	0.0100	88099.89	14.61	46.38	18.24	18.97
POND3PST	BASE	24.00	102.46	105.00	0.0100	72490.11	12.25	22.73	0.00	0.00
POND4PST	BASE	16.40	93.68	95.00	0.0060	139854.32	12.25	203.57	16.40	14.65
SOAK-5	BASE	12.31	87.58	87.00	0.0100	9979.12	12.30	133.23	12.31	133.13

POLLUTION ABATEMENT VOLUMES
 GREATER PINES PHASES 5-7
 POST-DEVELOPMENT CONDITION
 CPH JOB # G6765.07 6/27/97

TABLE 5/1
 OFF-1, 2+3 removed from this
 table, included in Phase 8-10
 analysis.

Post PH 5-7 = PRE PH 8-10

AREAS TRIBUTARY TO POND 2:

BASIN NO.	TOTAL AREA (AC)	AREA IMPERVIOUS (AC)	5" RUNOFF OVER TOTAL AREA (AC-FT)	1.25" RUNOFF OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED* (AC-FT)
201	2.45	0.60	0.10	0.06	0.204
202	0.75	0.17	0.03	0.02	0.063
BASIN-2	5.34	1.14	0.22	0.12	0.445
POND-2	5.44	0.00	0.23	0.00	0.453
OFF-1	26.54	0.00	1.11	0.00	2.212

TOTALS ~~40.52~~ 13.98 1.91 ~~3.377~~ 1.165

AREAS TRIBUTARY TO POND 3:

BASIN NO.	TOTAL AREA (AC)	AREA IMPERVIOUS (AC)	5" RUNOFF OVER TOTAL AREA (AC-FT)	1.25" RUNOFF OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED* (AC-FT)
BASIN-3	3.48	0.70	0.15	0.07	0.290
POND-3	4.64	0.00	0.19	0.00	0.387
OFF-2	2.58	0.00	0.11	0.00	0.215

TOTALS ~~10.70~~ 8.12 0.70 ~~0.892~~ 0.677

AREAS TRIBUTARY TO POND 4:

BASIN NO.	TOTAL AREA (AC)	AREA IMPERVIOUS (AC)	5" RUNOFF OVER TOTAL AREA (AC-FT)	1.25" RUNOFF OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED* (AC-FT)
301	1.00	0.29	0.04	0.03	0.083
302	2.00	0.43	0.08	0.04	0.167
303	1.97	0.00	0.08	0.00	0.164
304	3.37	0.85	0.14	0.09	0.281
305	1.90	0.60	0.08	0.06	0.158
306	1.33	0.36	0.06	0.04	0.111
307	2.10	0.65	0.09	0.07	0.175
308	1.95	0.71	0.08	0.07	0.163
309	0.14	0.05	0.01	0.01	0.012
310	2.10	0.65	0.09	0.07	0.175
311	2.10	0.53	0.09	0.06	0.175
312	0.71	0.21	0.03	0.02	0.059
313	0.50	0.07	0.02	0.01	0.042
314	0.41	0.19	0.02	0.02	0.037
315	2.28	0.26	0.10	0.03	0.190
BASIN-4A	21.26	4.19	0.89	0.44	1.772
BASIN-4B	24.71	5.04	1.03	0.53	2.059
BASIN-4C	2.31	0.52	0.10	0.05	0.193
POND-4	5.77	0.00	0.24	0.00	0.481
OFF-3	1.51	0.00	0.06	0.00	0.126

TOTALS ~~79.42~~ 77.91 15.60 ~~6.621~~ 6.495

* Required pollution abatement volume is equal to .5" of runoff over the total area plus the greater of .5" of runoff over the total area, or 1.25" of runoff over the impervious area.

Total 8.337 Ac-ft

186

Revised
 JUL 14 1997

TABLE 5.2
 POLLUTION ABATEMENT VOLUMES
 GREATER PINES 8-10
 POST-DEVELOPMENT CONDITION
 CPH JOB No. G6765.08C DATE : 02/14/00

AREAS TRIBUTARY TO POND 2:

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	0.5" OVER TOTAL AREA (AC-FT)	1.25" OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED (AC-FT)
8-1	1.78	0.16	0.20	0.37	1.41	0.07	0.04	0.148
Off-1 Post	16.21	0	0	0.00	16.21	0.68	0.00	1.351
	17.99							1.499

AREAS TRIBUTARY TO POND 3:

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	0.5" OVER TOTAL AREA (AC-FT)	1.25" OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED (AC-FT)
8-2	1.80	0.16	0.20	0.37	1.43	0.08	0.04	0.150
	1.8							0.150

AREAS TRIBUTARY TO POND 4:

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	0.5" OVER TOTAL AREA (AC-FT)	1.25" OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED (AC-FT)
8-3	2.27	0.19	0.23	0.43	1.84	0.09	0.04	0.189
	2.27							0.189

AREAS TRIBUTARY TO POND 5:

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	0.5" OVER TOTAL AREA (AC-FT)	1.25" OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED (AC-FT)
8-4	7.73	2.53	0.62	3.15	4.58	0.32	0.33	0.650
Pond 5	2.15	0.00	0.00	0.00	2.15	0.09	0.00	0.179
Off-8 Post	68.38	0.00	0.00	0.00	68.38	2.85	0.00	5.698
	78.26							6.528

AREAS TRIBUTARY TO POND 6:

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	0.5" OVER TOTAL AREA (AC-FT)	1.25" OVER IMPERVIOUS AREA (AC-FT)	POLLUTION ABATEMENT VOLUME REQUIRED (AC-FT)
8-5	12.10	2.25	0.93	3.18	8.92	0.50	0.33	1.008
9-1	23.50	3.97	2.16	6.13	17.37	0.98	0.64	1.958
10-1	18.15	1.44	0.71	2.15	16.00	0.76	0.22	1.513
Pond 6	10.64	0.00	0.00	0.00	10.64	0.44	0.00	0.887
Off-2 Post	22.56	0.00	0.00	0.00	22.56	0.94	0.00	1.880
Off-3 Post	8.50	0.00	0.00	0.00	8.50	0.35	0.00	0.708
Off-4 Post	28.38	0.00	0.00	0.00	28.38	1.18	0.00	2.365
	123.83							10.319

TOTAL PAV

18.69

Plus 8.337 Acft = Ponds 7 = 8.337

NOTES:

- AREA OF IMPERVIOUS = DCIA + NDCIA.
- REQUIRED VOLUME FOR ON-LINE PONDS IS THE GREATER OF:
 - 0.5 INCH RUNOFF OVER THE ENTIRE AREA, OR
 - 1.25 INCHES RUNOFF OVER THE IMPERVIOUS AREA, BOTH, PLUS 0.5 INCH OVER THE ENTIRE AREA.

TOTAL FOR POND 2-6 = 27.02
Acft

187

Table 5.3

TOTAL POLLUTION ABATEMENT VOLUME

POND NO.	PREVIOUS PAV	PHASES 8-10	TOTAL PAV	PAV IN 72HRS
2	1.17	1.50	2.66	8.19
3	0.68	0.15	0.83	7.66
4	6.50	0.19	6.68	11.96
5	0.00	6.53	6.53	1.59
6	0.00	10.32	10.32	7.15
TOTAL	8.34	18.69	27.02	36.55

TABLE E.4

**Greater Pines Phases 5, 6 & 7
Stage / Area / Storage Calculations**

Pond J	TOTAL STORAGE
	1.57

Pond K	TOTAL STORAGE
	1.41

Pond 1A	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
132.0	1.01	0.00
133.0	1.08	1.05
134.0	1.15	2.16
135.0	1.26	3.37
136.0	1.37	4.68
137.0	1.61	6.17

Pond 1B	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
132.0	1.93	0.00
133.0	2.25	2.09
134.0	3.67	5.05
135.0	4.70	9.24
136.0	5.40	14.29
137.0	5.74	19.86

Pond 2 Pre	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
109.0	0.17	0.00
110.0	1.60	0.89
111.0	1.78	2.58
112.0	1.96	4.45
114.0	2.14	8.55
115.0	2.50	10.87
117.0	2.86	16.23
118.0	3.04	19.18
119.0	3.22	22.31

Pond 2 Post	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
110.0	0.96	0.00
118.5	1.98	12.50
120.0	2.16	

Pond 3 Pre	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
138.0	1.10	0.00
139.0	2.52	1.81
140.0	3.12	4.63

Pond 3 Post	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
95.0	1.13	0.00
104.0	1.81	13.23
105.0	1.89	

Pond 4 Pre	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
181.0	0.09	0.00
183.5	0.38	0.59
184.0	0.44	

Pond 4 Post	TOTAL STORAGE	
STAGE	AREA	TOTAL STORAGE
86.0	2.20	0.00
93.6	3.20	20.52
95.0	3.38	

TOTAL PRE DEV -
PH 5-7 = 75.26
Ac-ft

189

TABLE 55

POND DATA

POND 5

Stage (ft)	Depth (ft)	Area (sf)	Area (ac)	Increment. Volume (ac-ft)	Total Volume (ac-ft)
88.0	0	26606	0.61	0.00	0.00
89.0	1	30052	0.69	0.65	0.65
90.0	2	33599	0.77	0.73	1.38
91.0	3	37247	0.86	0.81	2.19
92.0	4	41247	0.95	0.90	3.10

POND 6

Stage (ft)	Depth (ft)	Area (sf)	Area (ac)	Increment. Volume (ac-ft)	Total Volume (ac-ft)
88.0	0	157737	3.62	0.00	0.00
89.0	1	172627	3.96	3.79	3.79
90.0	2	187617	4.31	4.14	7.93
91.0	3	202709	4.65	4.48	12.41
92.0	4	216028	4.96	4.81	17.21

$$Ph5-7 + Pond 5 + Pond 6 =$$

POST DEV STORAGE VOLUME

$$= 75.26 + 2.19 + 12.41 = \underline{\underline{89.86 \text{ ac-ft}}}$$

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev, P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

=====

POND NAME / NUMBER : Pond 2 Greater Pines 5-7 7-11-97

AVERAGE WETTED POND LENGTH =====>	450.000 ft
AVERAGE WETTED POND WIDTH =====>	142.400 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER =====>	95.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ===>	102.500 ft
AVERAGE ELEVATION OF POND BOTTOM =====>	110.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =====>	60.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL =====>	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA =====>	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED =====>	12.500 ac-ft
TIME INCREMENTS AFTER STORM EVENT =====>	24.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT =====>	14.00
NUMBER OF GROUNDWATER CONTROL FEATURES =====>	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

=====

POND NAME / No.: Pond 2 Greater Pines 5-7 7-11-97

CUMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	118.497	2.875 *	2.2872
24.000	115.413	1.699	1.1113
48.000	113.915	0.921	0.7306
72.000	112.930	0.640	0.5501
96.000	112.188	0.495	0.4401
120.000	111.595	0.405	0.3696
144.000	111.097	0.343	0.3164
168.000	110.670	0.296	0.2757
192.000	110.298	0.261	0.2454
216.000	109.968	0.233	0.2200
240.000	109.671	0.209	0.1978
264.000	109.404	0.189	0.1811
288.000	109.160	0.174	0.1675
312.000	108.934	0.159	0.1514
336.000	108.730		

8.19 Ac.ft
72 hrs

← BOTTOM

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev, P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS

=====

POND NAME / NUMBER : Pond 3 Greater Pines 5-7 7/14/97

AVERAGE WETTED POND LENGTH =====>	370.000 ft
AVERAGE WETTED POND WIDTH =====>	173.100 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER =====>	77.500 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ===>	90.000 ft
AVERAGE ELEVATION OF POND BOTTOM =====>	95.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =====>	60.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL =====>	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA =====>	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED =====>	13.230 ac-ft
TIME INCREMENTS AFTER STORM EVENT =====>	24.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT =====>	14.00
NUMBER OF GROUNDWATER CONTROL FEATURES =====>	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

=====

POND NAME / No.: Pond 3 Greater Pines 5-7 7/14/97

CUMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
-----	-----	-----	-----
0.000	103.998	2.665 *	
24.000	101.132	1.585	2.1248
48.000	99.722	0.868	1.0452
72.000	98.790	0.604	0.6906
96.000	98.092	0.467	0.5177
120.000	97.530	0.382	0.4164
144.000	97.062	0.321	0.3472
168.000	96.663	0.278	0.2953
192.000	96.311	0.246	0.2613
216.000	96.000	0.217	0.2304
240.000	95.724	0.194	0.2045
264.000	95.475	0.176	0.1844
288.000	95.250	0.161	0.1671
312.000	95.040	0.148	0.1557
336.000	94.850	0.1405	0.1405

7.66 Ac. ft
in 72 hrs

← BOTTOM

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others): Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev, P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS
=====

POND NAME / NUMBER : Pond 4 Greater Pines 5-7 7/14/97

AVERAGE WETTED POND LENGTH =====>	470.000 ft
AVERAGE WETTED POND WIDTH =====>	250.000 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER =====>	67.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ===>	77.500 ft
AVERAGE ELEVATION OF POND BOTTOM =====>	86.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =====>	60.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL =====>	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA =====>	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED =====>	20.520 ac-ft
TIME INCREMENTS AFTER STORM EVENT =====>	24.00 hours
NO. OF TIME INCREMENTS AFTER STORM EVENT =====>	14.00
NUMBER OF GROUNDWATER CONTROL FEATURES =====>	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

=====

POND NAME / No.: Pond 4 Greater Pines 5-7 7/14/97

CUMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
0.000	93.607	3.737 *	
24.000	91.345	2.417	3.0765
48.000	90.053	1.478	1.7566
72.000	89.172	1.063	1.1990
96.000	88.490	0.841	0.9276
120.000	87.934	0.701	0.7553
144.000	87.458	0.603	0.6471
168.000	87.047	0.527	0.5587
192.000	86.683	0.470	0.4952
216.000	86.357	0.425	0.4443
240.000	86.058	0.384	0.4057
264.000	85.792	0.352	0.3627
288.000	85.540	0.328	0.3423
312.000	85.310	0.304	0.3128
336.000	85.093		0.2946

11.96 Ac-ft
in 72 hrs

← BOTTOM

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev, P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS
=====

POND NAME / NUMBER : Pond - 5

AVERAGE WETTED POND LENGTH =====>	410.000 ft
AVERAGE WETTED POND WIDTH =====>	77.560 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER =====>	75.000 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ====>	85.000 ft
AVERAGE ELEVATION OF POND BOTTOM =====>	88.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =====>	30.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL =====>	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA =====>	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED =====>	2.188 ac-ft
TIME INCREMENTS AFTER STORM EVENT =====>	24.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT =====>	14.00
NUMBER OF GROUNDWATER CONTROL FEATURES =====>	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

=====

POND NAME / No.: Pond - 5

CUMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)

0.000	90.997	0.579 *	0.4559
24.000	89.758	0.332	0.2089
48.000	89.191	0.173	0.1380
72.000	88.816	0.121	0.1049
96.000	88.531	0.095	0.0847
120.000	88.301	0.077	0.0696
144.000	88.112	0.065	0.0613
168.000	87.945	0.057	0.0527
192.000	87.802	0.050	0.0472
216.000	87.673	0.044	0.0408
240.000	87.562	0.040	0.0391
264.000	87.456	0.036	0.0333
288.000	87.366	0.033	0.0328
312.000	87.277	0.031	0.0291
336.000	87.197		

draws down
1.59 Ac. ft in
72 hrs
bottom = 88.0 ft

← BOTTOM

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

POLLUTION ABATEMENT VOLUME ANALYSIS
USING 'MODRET 4' PROGRAM

Written by: Nicolas E. Andreyev, P.E. (May, 1992)
(Sponsored by: SWFWMD/PSI)

SUMMARY OF INPUT PARAMETERS
=====

POND NAME / NUMBER : Pond - 6

AVERAGE WETTED POND LENGTH =====>	2100.000 ft
AVERAGE WETTED POND WIDTH =====>	85.790 ft
AVERAGE ELEVATION OF BOTTOM OF AQUIFER =====>	74.800 ft
AVERAGE ELEVATION OF DESIGN GROUNDWATER TABLE ===>	85.000 ft
AVERAGE ELEVATION OF POND BOTTOM =====>	88.000 ft
AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY =====>	30.000 ft/d
AVERAGE EFFECTIVE STORAGE COEFF. OF SOIL =====>	0.200
AVERAGE STORAGE COEFFICIENT OF POND AREA =====>	1.000
POLLUTION ABATEMENT VOLUME TO BE TREATED =====>	12.408 ac-ft
TIME INCREMENTS AFTER STORM EVENT =====>	24.00 hours
No. OF TIME INCREMENTS AFTER STORM EVENT =====>	14.00
NUMBER OF GROUNDWATER CONTROL FEATURES =====>	0.00

SUMMARY OF POLLUTION ABATEMENT MODEL RESULTS

=====

POND NAME / No.: Pond - 6

CUMULATIVE TIME (hrs.)	WATER ELEVATION (feet)	INSTANTANEOUS INFILTRATION RATE (cfs)	AVERAGE INFILTRATION RATE (cfs)
-----	-----	-----	-----
0.000	91.000	2.671 *	2.0889
24.000	89.998	1.507	0.9244
48.000	89.555	0.758	0.5908
72.000	89.272	0.518	0.4449
96.000	89.058	0.401	0.3579
120.000	88.887	0.332	0.3058
144.000	88.740	0.283	0.2606
168.000	88.615	0.247	0.2329
192.000	88.503	0.219	0.2050
216.000	88.405	0.195	0.1842
240.000	88.317	0.179	0.1737
264.000	88.233	0.165	0.1564
288.000	88.158	0.153	0.1494
312.000	88.087	0.138	0.1269
336.000	88.026		

draws down
7.15 Ac. ft in
72 hrs.
Bottom = 88 ft

TOTAL PAV =
36.55 Ac. ft
TOTAL PAV
Needed =
27.02 Ac. ft

✓

* This value (with associated time) is an equivalent instantaneous infiltration rate to be used with a stormwater routing model (such as ADICPR or others). Just before this time, the infiltration is zero (prior to runoff reaching the pond).

WETLANDS

VI. Wetlands

Modica and Associates made an on-site determination of wetlands during permitting for Phase 5 through 7. The wetlands have been surveyed and are shown on the construction plans, and consist of approximately 3.6 acres of herbaceous wetland. We are not proposing any development or impact of this wetland area.

**FLOOD PRONE COMPENSATING
STORAGE ANALYSIS**

VII. Flood Prone Compensating Storage Analysis

The following calculations are intended to demonstrate there will be no adverse impacts to drainage or flood protection to offsite or adjacent property. These calculations demonstrate that the total runoff from the development into Lost Lake has been reduced enough to compensate for loss of storage volume in the 100-year flood prone. Attached as Table 7.1 shows the Stage/Area/Storage Summary for Lost Lake. Additionally, portions of the USGS Flood Prone Area Map with the site overlaid and the FEMA map with the site overlaid have been enclosed as Figures 7.1 and 7.2. The FEMA map depicts the area as Zone A, which does not have an elevation determined. The USGS Flood Prone areas Map shows contours. The 100-year flood prone elevation has been estimated from the USGS Flood Prone Map in the pre-developed condition to be 92.0.

The 100-year 96-hour flood event was run on the pre development condition model, taking into account all the basins that contribute to Lost Lake and calculated a flood prone of 92.78, confirming the USGS Flood Prone Map.

In the post developed condition the 100-year 96-hour flood event was modeled. The model showed the flood prone in the post condition in Lost Lake of 91.93, below the pre condition and matching the USGS Flood Prone.

Table 7.1

100-YEAR COMPENSATING STORAGE CALCULATIONS

Lost Lake - Pre

Stage (ft)	Depth (ft)	Area (sf)	Area (ac)	Increment. Volume (ac-ft)	Total Volume (ac-ft)
83.0	0		18.68	0.00	0.00
84.0	1		19.84	19.26	19.26
85.0	2		21.20	20.52	39.78
86.0	3		22.44	21.82	61.60
87.0	4		23.67	23.06	84.66
88.0	5		24.91	24.29	108.95
89.0	6		26.14	25.53	134.47
90.0	7		27.36	26.75	161.22
91.0	8		28.58	27.97	189.19
92.0	9		29.77	29.18	218.37
93.0	10		30.97	30.37	248.74
94.0	11		32.16	31.57	280.30
95.0	12		33.36	32.76	313.06

Lost Lake - Post

Stage (ft)	Depth (ft)	Area (sf)	Area (ac)	Increment. Volume (ac-ft)	Total Volume (ac-ft)
83.0	0	813704	18.68	0.00	0.00
84.0	1	851863	19.56	19.12	19.12
85.0	2	895540	20.56	20.06	39.18
86.0	3	935820	21.48	21.02	60.20
87.0	4	976101	22.41	21.95	82.14
88.0	5	1184784	27.20	24.80	106.95
89.0	6	1227614	28.18	27.69	134.64
90.0	7	1270800	29.17	28.68	163.31
91.0	8	1318608	30.27	29.72	193.04
92.0	9	1365090	31.34	30.80	223.84
93.0	10	1431481	32.86	32.10	255.94
94.0	11	1449517	33.28	33.07	289.01
95.0	12	1466570	33.67	33.47	322.48

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PRE DEVELOPED TOTAL RUNOFF = 318.52 AC-FT
From ICPR Results

VOLUME TO LOST LAKE = 243.26 AC-FT

Volume = Runoff - Storage

Storage = 75.26 Ac-Ft from Sec. VI

ELEVATION AT WHICH RUNOFF IS STORED = 92.82 FT

POST DEVELOPED TOTAL RUNOFF = 319.70 AC-FT
From ICPR Results

VOLUME TO LOST LAKE = 229.84 AC-FT

Volume = Runoff - Storage

Storage = 89.86 Ac-Ft from Sec. VI

ELEVATION AT WHICH RUNOFF IS STORED = 92.19 FT

GREATER PINES PHASES 8-10
PRE DEV CONDITION
02/02/00

***** Basin Results Summary - 10096PRE *****

Basin Name	Time Max (hrs)	Flow Max (cfs)	Runoff Volume (in)	Runoff Volume (cf)
100A	59.98	7.29	4.99	39105
100B	59.98	25.13	4.99	134694
101A	60.00	3.64	6.80	28389
101B	59.98	18.03	6.80	103189
102	59.98	0.36	9.15	2326
103	59.98	2.35	6.96	15655
104	59.98	10.01	7.95	75017
105	59.98	1.30	8.73	8236
106	59.98	11.52	7.15	73222
107	59.98	8.09	9.96	58570
108	59.98	2.49	7.91	17225
109	59.98	9.06	8.50	60151
110	59.98	7.70	7.54	49846
111	59.98	10.71	7.72	67279
112	59.98	5.99	8.78	40817
113	59.98	4.44	8.47	28897
114	59.98	10.91	8.69	73788
115	59.98	7.75	8.22	49260
116	59.98	9.07	9.43	74260
117	59.98	5.01	10.15	34648
118	59.98	14.90	7.79	104592
119	59.98	6.13	8.29	38523
120	59.98	6.33	8.87	53139
121	59.98	5.01	7.91	35885
122	59.98	7.46	7.14	43300
123	59.98	4.29	7.33	29807
124	59.98	4.15	7.71	26879
125	59.98	7.76	6.57	47221
126	59.98	7.27	8.29	55678
127	59.98	9.31	8.63	65140
128	59.98	7.29	7.38	39890
129	60.00	5.60	8.81	55990
130	59.98	16.01	8.26	105307
201	59.98	12.15	7.67	68247
202	59.98	2.69	7.23	19688
301	59.98	4.59	7.80	28328
302	59.98	8.96	7.27	52785
303	59.98	5.54	4.99	35665
304	59.98	15.49	7.64	93412
305	59.98	8.62	8.24	56840
306	59.98	6.38	7.81	37690
307	59.98	8.97	8.07	61516
308	59.98	7.74	8.68	61425
309	59.98	0.68	8.45	4297
310	59.98	9.52	8.07	61516
311	59.98	7.48	7.54	57491
312	59.98	2.97	7.86	20268
313	59.98	2.18	6.61	11989

GREATER PINES PHASES 8-10
 PRE DEV CONDITION
 02/02/00

***** Basin Results Summary - 10096PRE *****

Basin Name	Time Max (hrs)	Flow Max (cfs)	Runoff Volume (in)	Runoff Volume (cf)
314	59.98	2.32	9.69	14424
315	60.00	6.45	6.21	51403
BASIN-2	59.98	21.45	7.15	138634
BASIN-3	59.98	14.51	7.06	89197
BASIN-4A	59.98	80.93	6.97	537906
BASIN-4B	59.98	108.54	7.06	633351
BASIN-4C	59.98	9.82	7.24	60734
H	59.98	45.53	7.99	320336
I	60.00	26.34	6.88	294660
J	59.98	63.46	6.50	497640
K	60.00	39.33	5.55	495310
LAKE	59.98	141.14	14.70	996706
OFF1PRE	59.98	95.42	6.80	655176
OFF2PRE	59.98	11.32	6.80	63691
OFF3PRE	59.98	6.53	6.80	37276
OFF4PRE	59.98	61.00	6.80	387823
OFF5PRE	59.98	179.26	6.80	1300477
OFF6PRE	59.98	156.85	6.80	1123721
OFF7PRE	59.98	138.99	6.80	1002021
OFF8PRE	60.00	222.26	6.80	2227695
POND2PRE	59.98	18.37	4.99	98486
POND3PRE	59.98	16.32	5.20	87501
POND4PRE	59.98	19.50	4.99	104515
131	59.98	6.04	7.44	48588
132	59.98	5.56	8.63	41347
133	59.98	5.97	8.33	42950
134	59.98	7.90	8.40	63439
135	59.98	7.82	9.04	52483

$$\frac{13,874,572}{43,572} = 318.52 \text{ Ac-ft}$$

GREATER PINES PHASES 8-10
POST DEV CONDITION
02/22/2000

***** Basin Results Summary - 10096PST *****

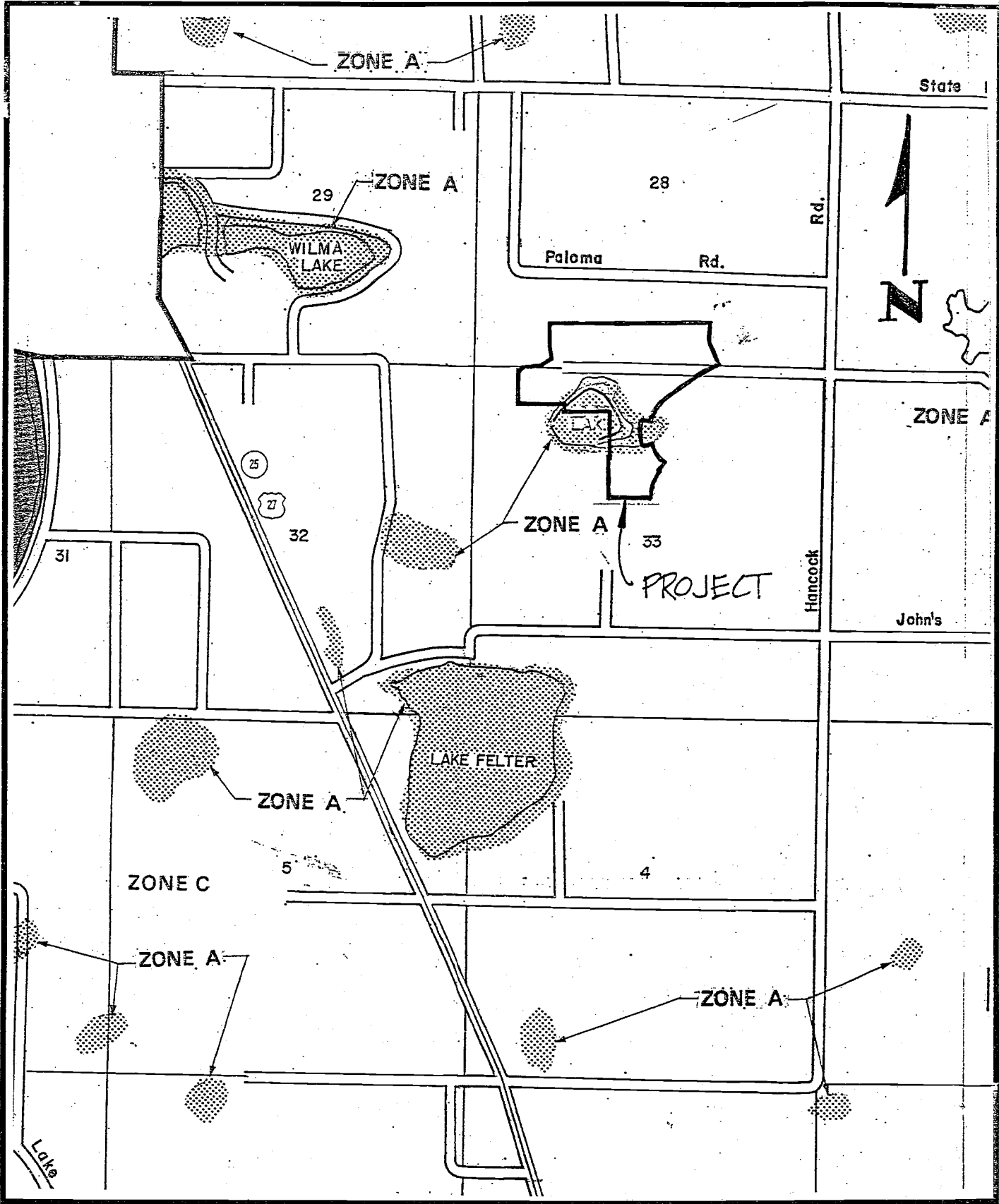
Basin Name	Time Max (hrs)	Flow Max (cfs)	Runoff Volume (in)	Runoff Volume (cf)
100A	59.98	7.29	4.99	39105
100B	59.98	25.13	4.99	134694
101A	60.00	3.64	6.80	28389
101B	59.98	18.03	6.80	103189
102	59.98	0.36	9.15	2326
103	59.98	2.35	6.96	15655
104	59.98	10.01	7.95	75017
105	59.98	1.30	8.73	8236
106	59.98	11.52	7.15	73222
107	59.98	8.09	9.96	58570
108	59.98	2.49	7.91	17225
109	59.98	9.06	8.50	60151
110	59.98	7.70	7.54	49846
111	59.98	10.71	7.72	67279
112	59.98	5.99	8.78	40817
113	59.98	4.44	8.47	28897
114	59.98	10.91	8.69	73788
115	59.98	7.75	8.22	49260
116	59.98	9.07	9.43	74260
117	59.98	5.01	10.15	34648
118	59.98	14.90	7.79	104592
119	59.98	6.13	8.29	38523
120	59.98	6.33	8.87	53139
121	59.98	5.01	7.91	35885
122	59.98	7.46	7.14	43300
123	59.98	4.29	7.33	29807
124	59.98	4.15	7.71	26879
125	59.98	7.76	6.57	47221
126	59.98	7.27	8.29	55678
127	59.98	9.31	8.63	65140
128	59.98	7.29	7.38	39890
129	60.00	5.60	8.81	55990
130	59.98	16.01	8.26	105307
201	59.98	12.15	7.67	68247
202	59.98	2.69	7.23	19688
301	59.98	4.59	7.80	28328
302	59.98	8.96	7.27	52785
303	59.98	5.54	4.99	35665
304	59.98	15.49	7.64	93412
305	59.98	8.62	8.24	56840
306	59.98	6.38	7.81	37690
307	59.98	8.97	8.07	61516
308	59.98	7.74	8.68	61425
309	59.98	0.68	8.45	4297
310	59.98	9.52	8.07	61516
311	59.98	7.48	7.54	57491
312	59.98	2.97	7.86	20268
313	59.98	2.18	6.61	11989

GREATER PINES PHASES 8-10
 POST DEV CONDITION
 02/22/2000

***** Basin Results Summary - 10096PST *****

Basin Name	Time Max (hrs)	Flow Max (cfs)	Runoff Volume (in)	Runoff Volume (cf)
314	59.98	2.32	9.69	14424
315	60.00	6.45	6.21	51403
BASIN-2	59.98	21.45	7.15	138634
BASIN-3	59.98	14.51	7.06	89197
BASIN-4A	59.98	80.93	6.97	537906
BASIN-4B	59.98	108.54	7.06	633351
BASIN-4C	59.98	9.82	7.24	60734
H	59.98	45.53	7.99	320336
I	60.00	26.34	6.88	294660
J	59.98	63.46	6.50	497640
K	60.00	39.33	5.55	495310
LAKE	59.98	141.14	14.70	996706
OFF1POST	59.98	55.97	6.80	400165
OFF2POST	59.98	80.76	6.80	556924
OFF3POST	59.98	33.83	6.80	209834
OFF4POST	59.98	100.73	6.80	700598
OFF5POST	59.98	15.00	6.80	93068
OFF6POST	59.98	139.11	6.80	1004979
OFF7POST	59.98	27.25	6.80	166386
OFF8POST	60.00	170.74	6.80	1688052
POND2PST	59.98	18.37	4.99	98486
POND3PST	59.98	16.32	5.20	87501
POND4PST	59.98	19.50	4.99	104515
131	59.98	6.04	7.44	48588
132	59.98	5.56	8.63	41347
133	59.98	5.97	8.33	42950
134	59.98	7.90	8.40	63439
135	59.98	7.82	9.04	52483
BASIN8-1	59.98	8.20	7.17	46340
BASIN8-2	59.98	8.28	7.16	46806
BASIN8-3	59.98	10.13	6.92	57053
BASIN8-4	59.98	37.69	9.13	256139
BASIN8-5	59.98	56.26	7.63	334995
BASIN9-1	59.98	99.02	7.65	652185
BASN10-1	59.98	69.31	6.14	404257
POND-5	59.98	6.59	4.99	35303
SOAK-5	59.98	0.68	4.99	3621
POND-6	59.98	35.93	4.99	192627

13926024 cf = 319.70 Ac ft



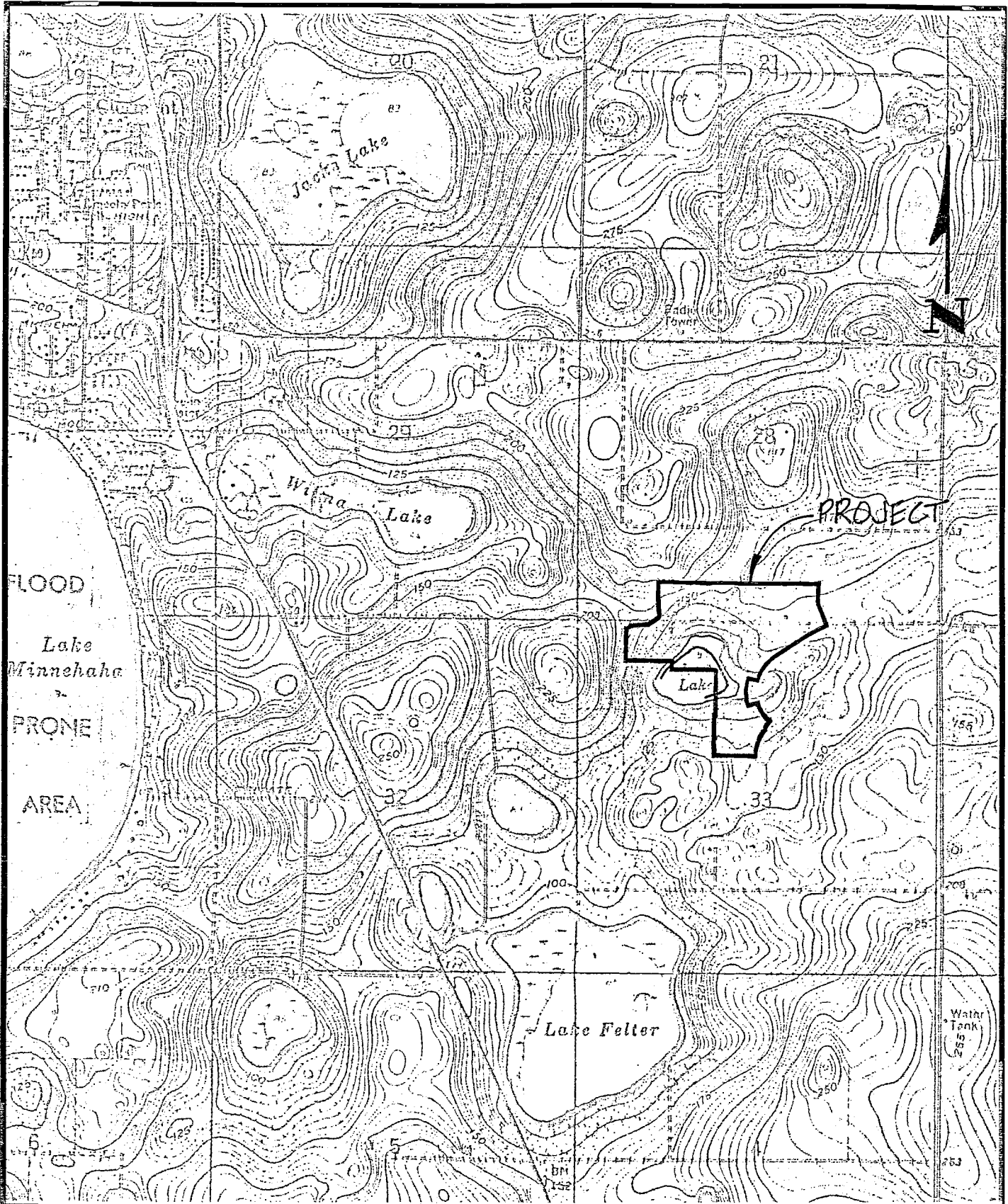
**GREATER PINES PHASES 8 - 10
FEMA MAP**

LAKE COUNTY - PANEL NO. 120421 0375 B

CPH JOB NO. G6765.08.C



CPH Engineers, Inc.
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**GREATER PINES PHASES 8 - 10
USGS MAP OF FLOOD PRONE AREAS**

CLERMONT EAST, FL.

CPH JOB NO. G6765.08.C

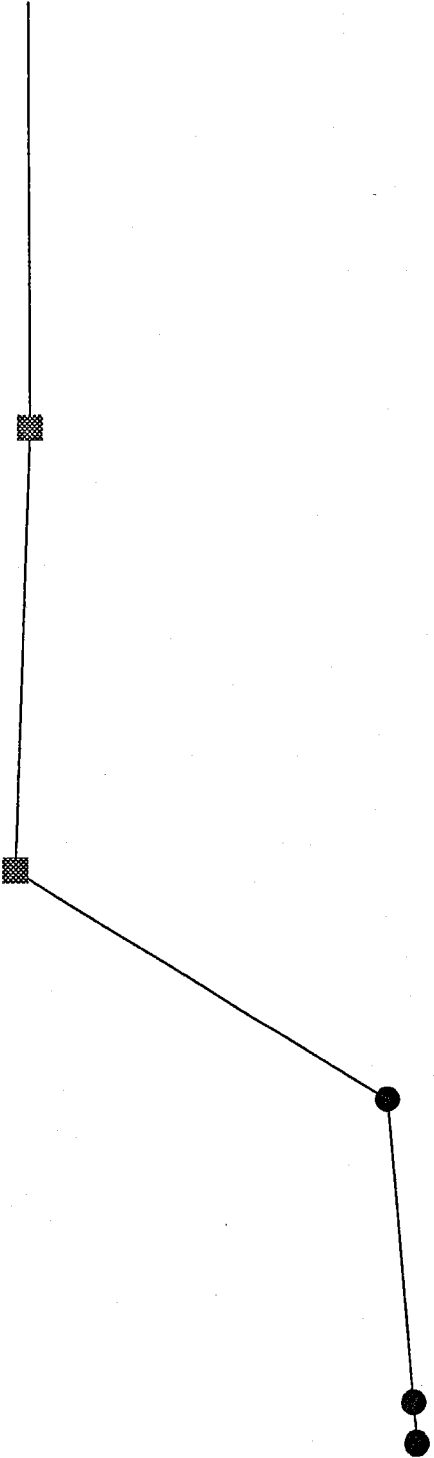


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STORM SEWER SYSTEM

Storm Sewer Design & Analysis

212



Proj. file: PINES_A.STM

IDF file: FDOTZ7.IDF

No. Lines: 5

06-19-2000

Line 1 Q = 61.26 Size = 36 x 36 (Cir) Nv = 0.013 Len = 209.0 JLC = 1.00

s-1 to s-2 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00	18	89.51	94.12	3.55	17.24	3.00	9.00
Upstrm	95.00	18	96.51	101.12	3.55	17.24	3.00	8.00

Drainage area (ac)	=	1.03	Slope of invert (%)	=	3.349
Runoff coefficient (C)	=	0.53	Slope energy grade line (%)	=	3.349
Time of conc. (min)	=	41.39	Critical depth (in)	=	30
Inlet Time (min)	=	10.00	Natural ground elev. (ft)	=	106.00
Intensity @ 10 yr (in/hr)	=	4.03	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	15.19	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	61.26	Full-flow capacity (cfs)	=	122.06

Q Catchment (cfs)	=	3.95	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	5.12	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	9.07	Width of Flow (ft)	=	16.20
Q Bypassed to 0 (cfs)	=	0.00			

Line 2 Q = 59.22 Size = 36 x 36 (Cir) Nv = 0.013 Len = 220.0 JLC = 0.00

s-2 to s-3 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	99.40	16	100.76	106.41	3.10	19.08	2.99	3.60
Upstrm	109.40	16	110.76	116.41	3.10	19.08	2.99	7.65

Drainage area (ac)	=	2.37	Slope of invert (%)	=	4.545
Runoff coefficient (C)	=	0.41	Slope energy grade line (%)	=	4.545
Time of conc. (min)	=	41.20	Critical depth (in)	=	29
Inlet Time (min)	=	10.00	Natural ground elev. (ft)	=	120.05
Intensity @ 10 yr (in/hr)	=	4.04	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	14.65	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	59.22	Full-flow capacity (cfs)	=	142.18

Q Catchment (cfs)	=	7.03	Gutter slope (ft/ft)	=	0.06
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	1.91	Width of Flow (ft)	=	9.65
Q Bypassed to 1 (cfs)	=	5.12			

Line 3 Q = 55.49 Size = 36 x 36 (Cir) Nv = 0.013 Len = 215.0 JLC = 0.00

s-3 to s-51 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	110.10	19	111.72	114.88	3.89	14.26	2.99	6.95
Upstrm	115.00	19	116.62	119.78	3.89	14.26	2.99	5.20

Drainage area (ac)	= 0.00	Slope of invert (%)	= 2.279
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 2.279
Time of conc. (min)	= 40.95	Critical depth (in)	= 28
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 123.20
Intensity @ 10 yr (in/hr)	= 4.06	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 13.68	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 55.49	Full-flow capacity (cfs)	= 100.68

Q Catchment (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Width of Flow (ft)	= 0.00
Q Bypassed to 2 (cfs)	= 0.00		

Line 4 Q = 55.59 Size = 24 x 24 (Cir) Nv = 0.013 Len = 150.0 JLC = 0.00

s-51 to s-52 / Downstream line = 3

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	116.10	21	117.82	123.63	2.87	19.34	1.39	5.10
Upstrm	124.60	21	126.32	132.13	2.87	19.34	1.39	4.40

Drainage area (ac)	= 34.19	Slope of invert (%)	= 5.667
Runoff coefficient (C)	= 0.20	Slope energy grade line (%)	= 5.667
Time of conc. (min)	= 40.82	Critical depth (in)	= 24
Inlet Time (min)	= 40.80	Natural ground elev. (ft)	= 131.00
Intensity @ 10 yr (in/hr)	= 4.06	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 13.68	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 55.59	Full-flow capacity (cfs)	= 53.84

Q Catchment (cfs)	= 27.80	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 27.80	Width of Flow (ft)	= 27.10
Q Bypassed to 3 (cfs)	= 0.00		

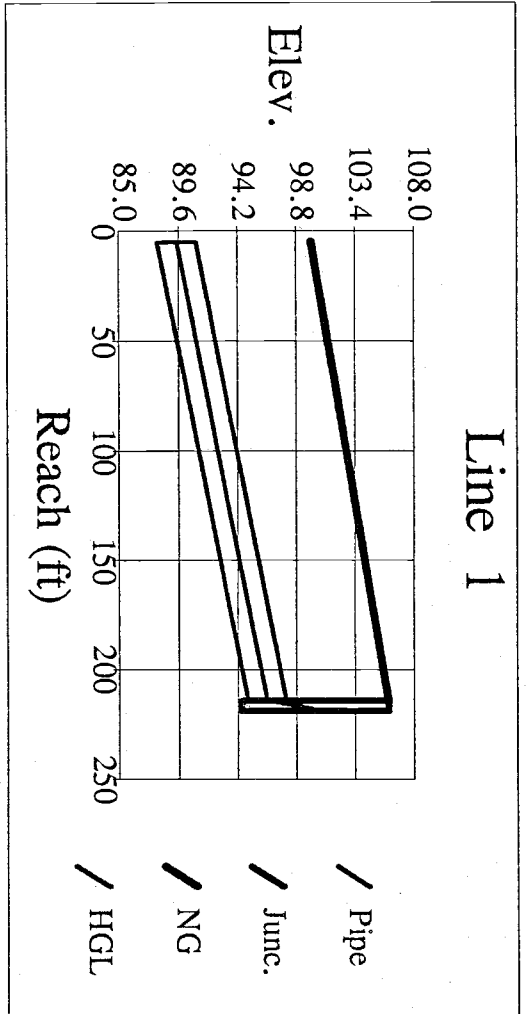
Line 5 Q = 27.80 Size = 18 x 18 (Cir) Nv = 0.013 Len = 20.0 JLC = 0.00

s-52 to s-53 / Downstream line = 4

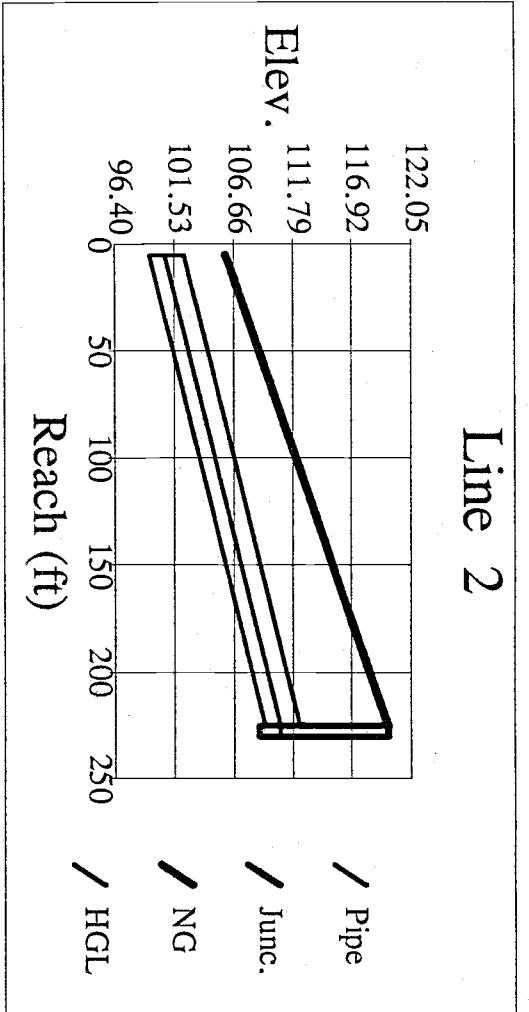
	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	125.20	15	126.45	131.30	1.57	17.67	1.12	4.30
Upstrm	126.57	15	127.82	132.67	1.57	17.67	1.12	2.93

Drainage area (ac)	=	34.19	Slope of invert (%)	=	6.850
Runoff coefficient (C)	=	0.20	Slope energy grade line (%)	=	6.850
Time of conc. (min)	=	40.80	Critical depth (in)	=	18
Inlet Time (min)	=	40.80	Natural ground elev. (ft)	=	131.00
Intensity @ 10 yr (in/hr)	=	4.07	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	6.84	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	27.80	Full-flow capacity (cfs)	=	27.48

Q Catchment (cfs)	=	27.80	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	27.80	Width of Flow (ft)	=	27.10
Q Bypassed to 4 (cfs)	=	0.00			

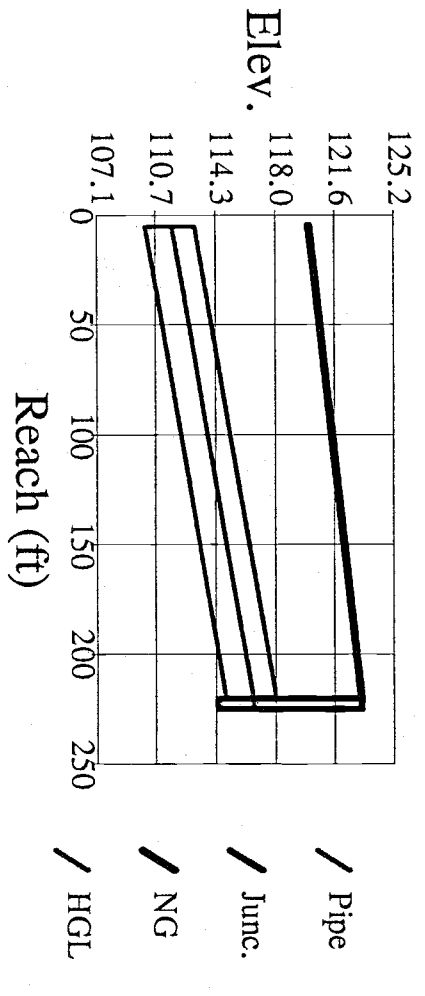


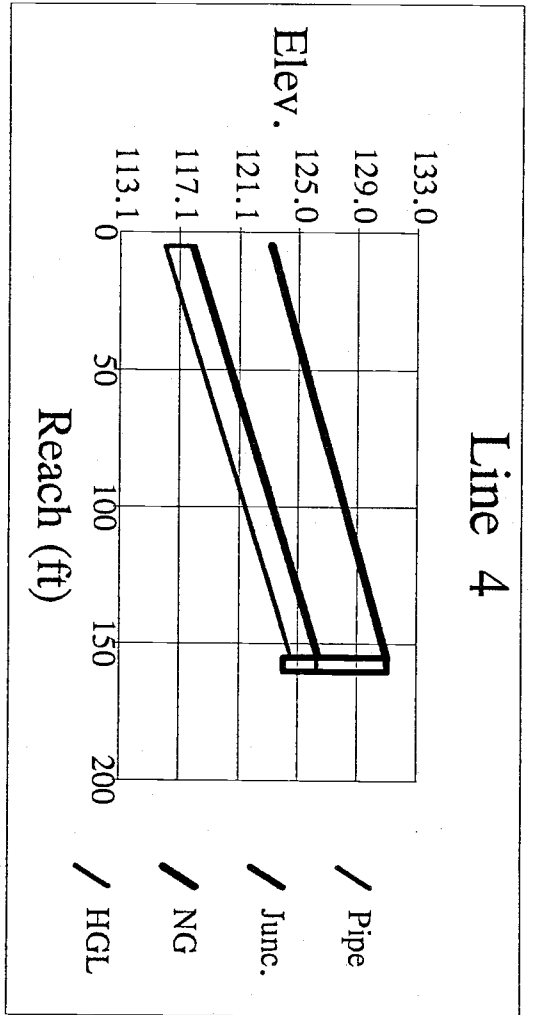
Line 2



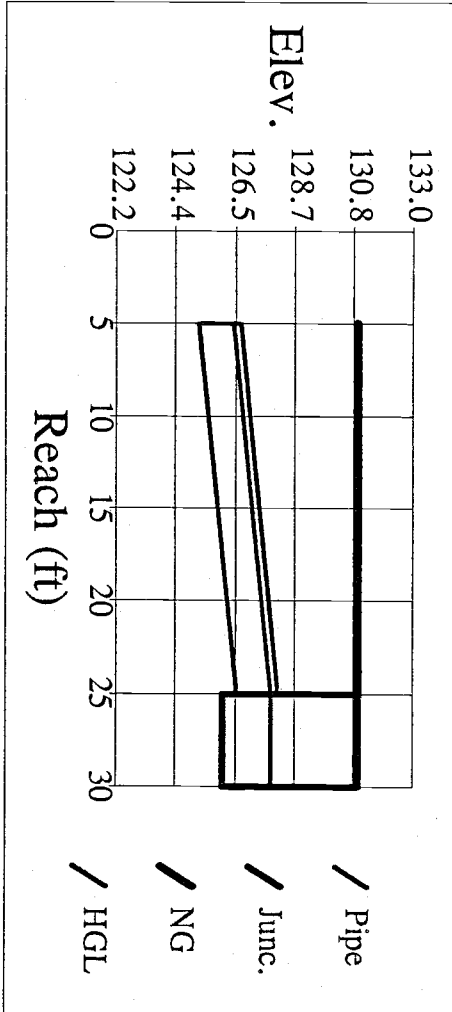
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Line 3

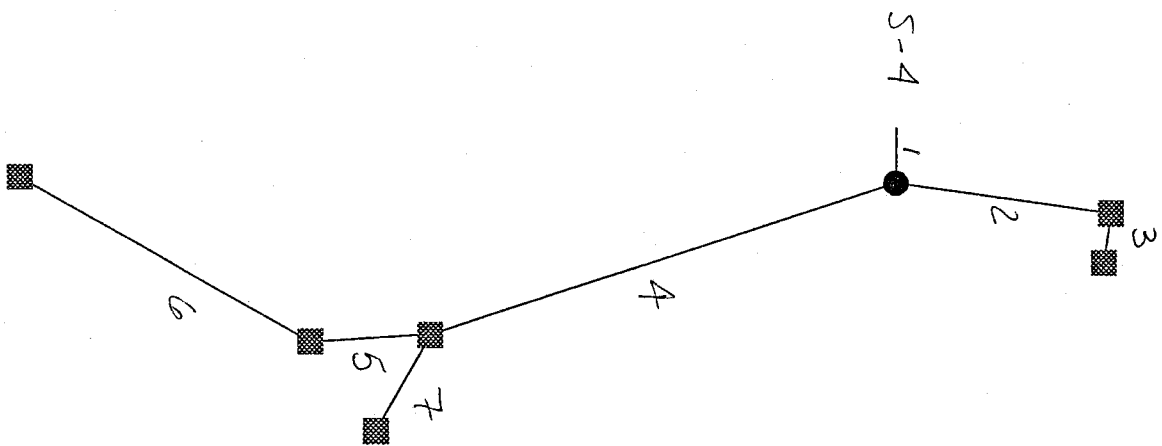




Line 5



Storm Sewer Design & Analysis



Line 1 Q = 17.87 Size = 24 x 24 (Cir) Nv = 0.013 Len = 36.0 JLC = 1.00

s-4 to s-5 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00	24	90.00	90.50	3.14	5.69	0.00	10.00
Upstrm	88.75	18	90.25	91.03	2.52	7.09	1.74	5.75

Drainage area (ac)	= 0.00	Slope of invert (%)	= 2.083
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 1.455
Time of conc. (min)	= 43.74	Critical depth (in)	= 18
Inlet Time (min)	= 0.00	Natural ground elev. (ft)	= 96.50 ✓
Intensity @ 10 yr (in/hr)	= 3.90	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 4.58	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 17.87	Full-flow capacity (cfs)	= 32.65

Q Catchment (cfs)	= 0.00		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Cross slope (ft/ft)	= 0.00
Q Bypassed to 0 (cfs)	= 0.00	Width of Flow (ft)	= 0.00

Line 2 Q = 13.78 Size = 24 x 24 (Cir) Nv = 0.013 Len = 142.0 JLC = 0.00

s-5 to s-10 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	89.00	24	91.03	91.33	3.14	4.39	0.00	5.50
Upstrm	89.71	21	91.49	91.83	2.95	4.67	1.26	2.73

Drainage area (ac)	= 4.30	Slope of invert (%)	= 0.500 ✓
Runoff coefficient (C)	= 0.43	Slope energy grade line (%)	= 0.353
Time of conc. (min)	= 21.90	Critical depth (in)	= 16
Inlet Time (min)	= 21.90	Natural ground elev. (ft)	= 94.44 ✓
Intensity @ 10 yr (in/hr)	= 5.56	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 2.48	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 13.78	Full-flow capacity (cfs)	= 15.99

Q Catchment (cfs)	= 10.27		
Q Carryover (cfs)	= 5.29	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 15.57	Cross slope (ft/ft)	= 0.02
Q Bypassed to 1 (cfs)	= 0.00	Width of Flow (ft)	= 23.04

Line 3 Q = 3.85 Size = 18 x 18 (Cir) Nv = 0.013 Len = 33.0 JLC = 0.00

s-10 to s-11 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	90.25	15	91.49	91.58	1.56	2.47	1.36	2.69
Upstrm	90.44	13	91.50	91.63	1.34	2.88	1.36	2.50

Drainage area (ac)	= 1.17	Slope of invert (%)	= 0.576
Runoff coefficient (C)	= 0.54	Slope energy grade line (%)	= 0.146
Time of conc. (min)	= 17.40	Critical depth (in)	= 9
Inlet Time (min)	= 17.40	Natural ground elev. (ft)	= 94.44
Intensity @ 10 yr (in/hr)	= 6.09	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.63	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 3.85	Full-flow capacity (cfs)	= 7.97

Q Catchment (cfs)	= 3.85	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 0.92	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 4.77	Width of Flow (ft)	= 10.43
Q Bypassed to 2 (cfs)	= 0.00		

Line 4 Q = 8.24 Size = 15 x 15 (Cir) Nv = 0.013 Len = 324.0 JLC = 0.00

s-5 to s-6 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	90.00	10	90.81	92.29	0.84	9.77	1.19	5.25
Upstrm	99.52	10	100.33	101.81	0.84	9.77	1.19	2.84

Drainage area (ac)	= 0.61	Slope of invert (%)	= 2.938
Runoff coefficient (C)	= 0.57	Slope energy grade line (%)	= 2.938
Time of conc. (min)	= 43.18	Critical depth (in)	= 14
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 103.61
Intensity @ 10 yr (in/hr)	= 3.93	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 2.10	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 8.24	Full-flow capacity (cfs)	= 11.07

Q Catchment (cfs)	= 2.52	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 5.17	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 2.39	Width of Flow (ft)	= 11.29
Q Bypassed to 2 (cfs)	= 5.29		

Line 5 Q = 5.84 Size = 15 x 15 (Cir) Nv = 0.013 Len = 79.0 JLC = 0.00

s-6 to s-7 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	99.62	7	100.20	101.90	0.56	10.45	1.25	2.74
Upstrm	102.98	7	103.56	105.25	0.56	10.45	1.25	2.78

Drainage area (ac)	= 1.75	Slope of invert (%)	= 4.248
Runoff coefficient (C)	= 0.42	Slope energy grade line (%)	= 4.248
Time of conc. (min)	= 43.06	Critical depth (in)	= 12
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 107.01
Intensity @ 10 yr (in/hr)	= 3.94	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.48	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 5.84	Full-flow capacity (cfs)	= 13.31

Q Catchment (cfs)	= 5.32		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.04
Q Captured (cfs)	= 1.84	Cross slope (ft/ft)	= 0.02
Q Bypassed to 4 (cfs)	= 3.48	Width of Flow (ft)	= 9.52

Line 6 Q = 2.96 Size = 15 x 15 (Cir) Nv = 0.013 Len = 219.0 JLC = 0.00

s-7 to s-8 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	103.05	5	103.48	104.46	0.37	7.97	1.19	2.71
Upstrm	110.54	5	110.97	111.95	0.37	7.97	1.19	3.38

Drainage area (ac)	= 1.82	Slope of invert (%)	= 3.421
Runoff coefficient (C)	= 0.41	Slope energy grade line (%)	= 3.421
Time of conc. (min)	= 42.60	Critical depth (in)	= 8
Inlet Time (min)	= 42.60	Natural ground elev. (ft)	= 115.17
Intensity @ 10 yr (in/hr)	= 3.96	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.75	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 2.96	Full-flow capacity (cfs)	= 11.94

Q Catchment (cfs)	= 2.96		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.04
Q Captured (cfs)	= 1.27	Cross slope (ft/ft)	= 0.02
Q Bypassed to 4 (cfs)	= 1.68	Width of Flow (ft)	= 7.64

Line 7 Q = 1.93 Size = 15 x 15 (Cir) Nv = 0.013 Len = 73.0 JLC = 0.00

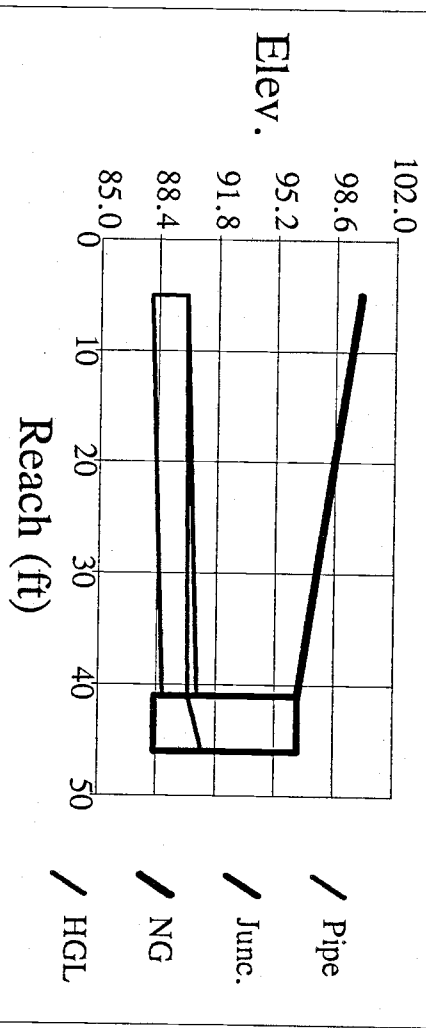
s-6 to s-9 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	99.62	9	100.33	100.44	0.72	2.67	0.94	2.74
Upstrm	102.06	7	102.61	102.82	0.53	3.66	1.24	3.36

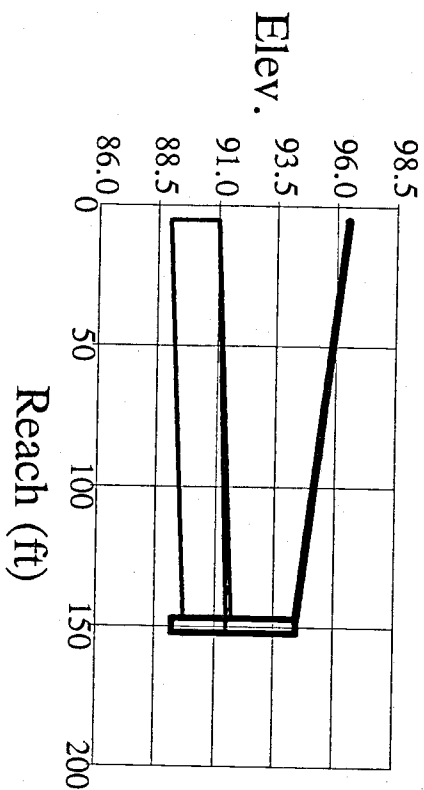
Drainage area (ac)	= 0.58	Slope of invert (%)	= 3.338
Runoff coefficient (C)	= 0.46	Slope energy grade line (%)	= 3.257
Time of conc. (min)	= 10.00	Critical depth (in)	= 7
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 106.67
Intensity @ 10 yr (in/hr)	= 7.24	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.27	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 1.93	Full-flow capacity (cfs)	= 11.80

Q Catchment (cfs)	= 1.93	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 1.01	Width of Flow (ft)	= 6.69
Q Bypassed to 3 (cfs)	= 0.92		

Line 1

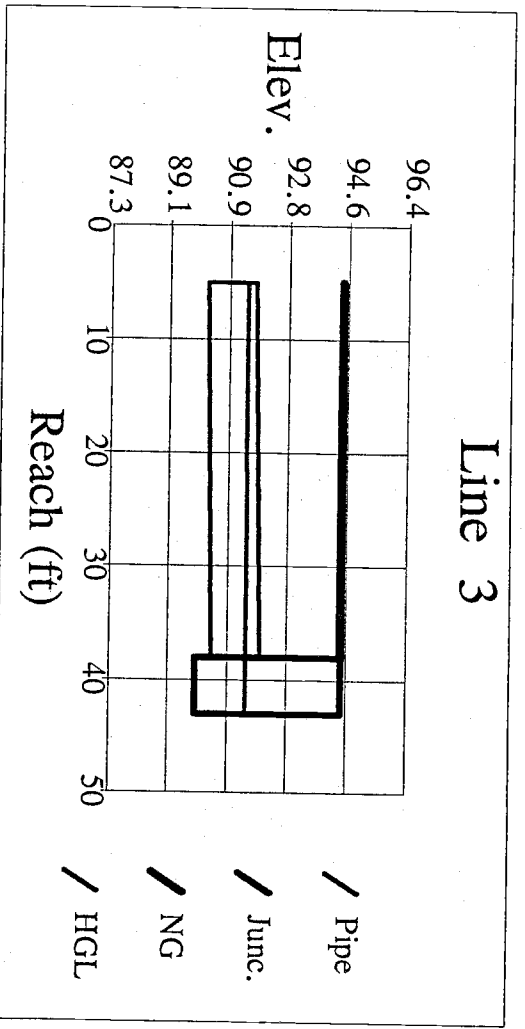


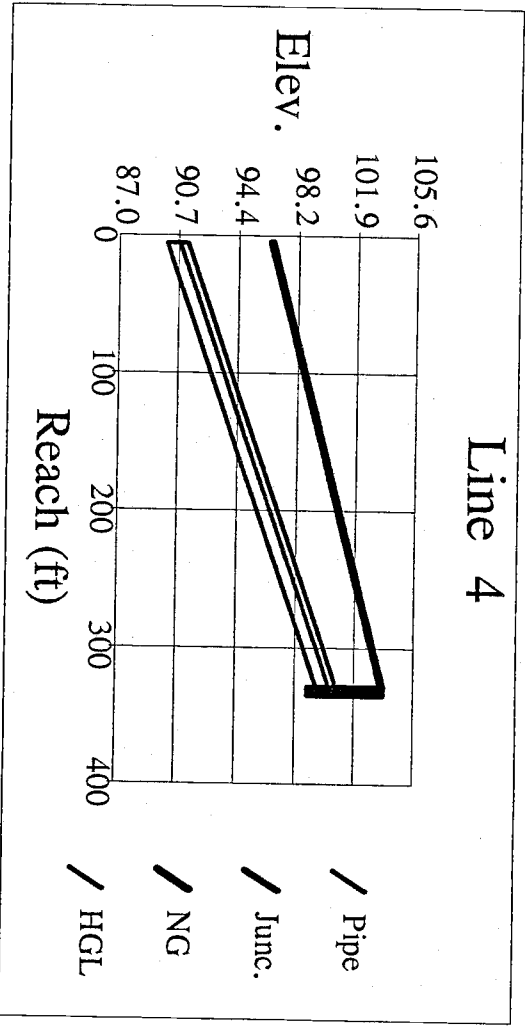
Line 2



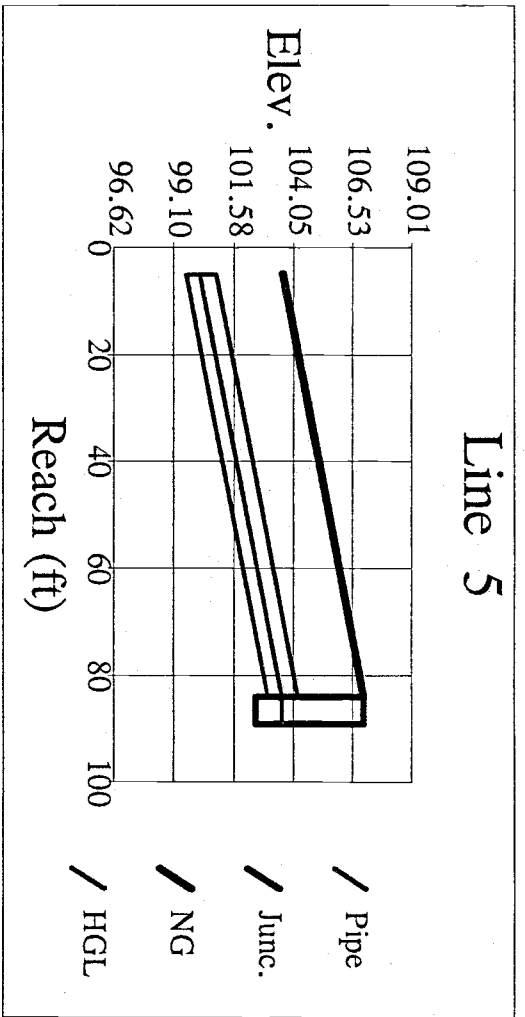
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Line 3

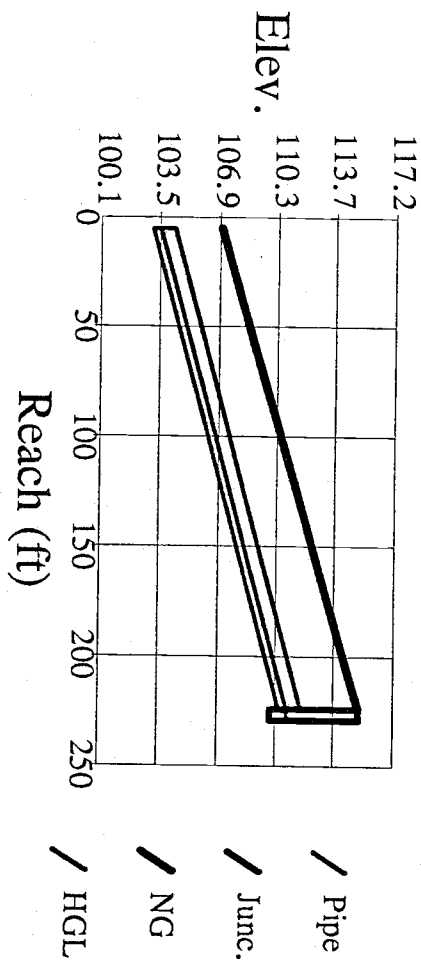




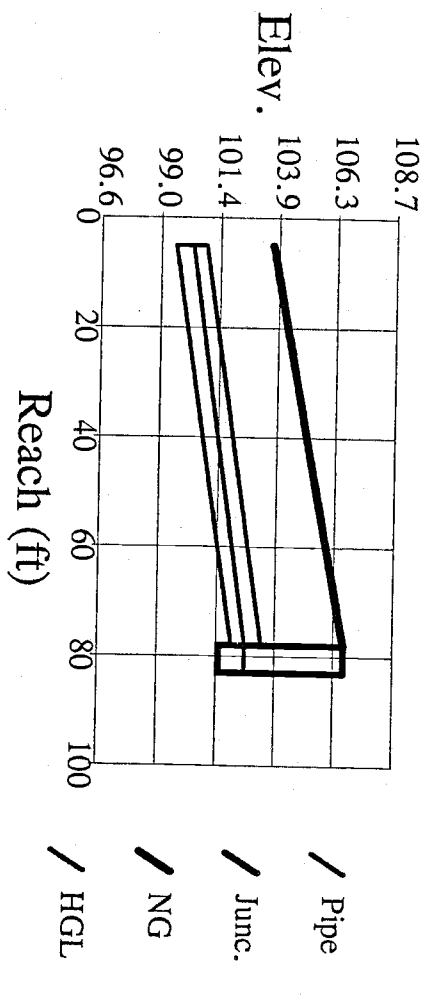
Line 5



Line 6

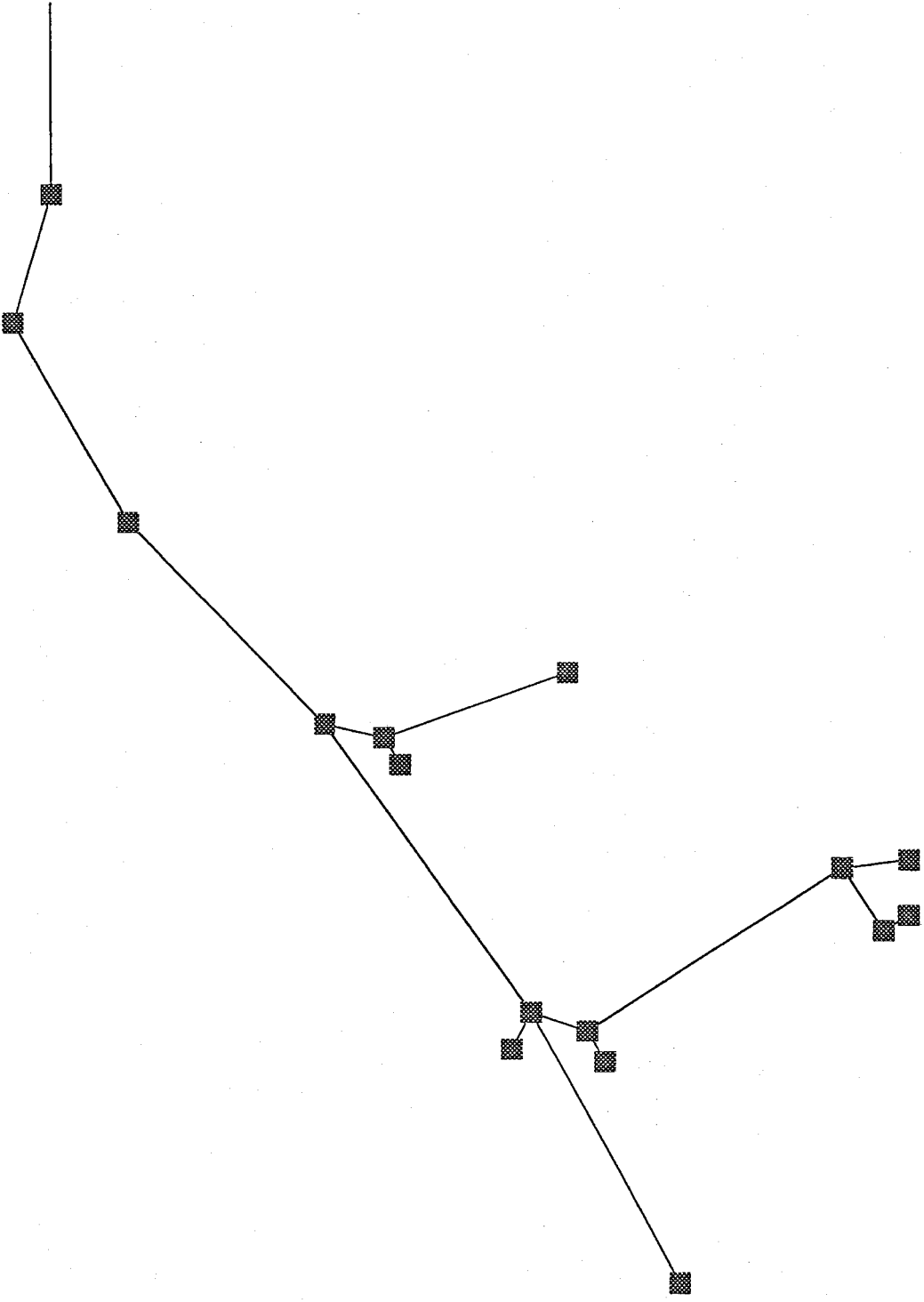


Line 7



Storm Sewer Design & Analysis

233



Proj. file: PINES_C.STM

IDF file: FDOTZ7.IDF

No. Lines: 16

06-19-2000

Line 1 Q = 46.06 Size = 36 x 36 (Cir) Nv = 0.013 Len = 174.0 JLC = 1.00

s-12 to s-13 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00	17	89.43	92.41	3.33	13.84	3.00	4.00
Upstrm	92.00	17	93.43	96.41	3.33	13.84	3.00	7.00

Drainage area (ac)	= 2.24	Slope of invert (%)	= 2.299
Runoff coefficient (C)	= 0.43	Slope energy grade line (%)	= 2.299
Time of conc. (min)	= 35.25	Critical depth (in)	= 26
Inlet Time (min)	= 23.10	Natural ground elev. (ft)	= 102.00
Intensity @ 10 yr (in/hr)	= 4.41	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 10.44	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 46.06	Full-flow capacity (cfs)	= 101.12

Q Catchment (cfs)	= 5.23		
Q Carryover (cfs)	= 16.60	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 21.83	Cross slope (ft/ft)	= 0.02
Q Bypassed to 0 (cfs)	= 0.00	Width of Flow (ft)	= 19.75

Line 2 Q = 41.88 Size = 24 x 24 (Cir) Nv = 0.013 Len = 123.0 JLC = 0.00

s-13 to s-14 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	94.60	17	95.99	100.98	2.34	17.93	1.84	5.40
Upstrm	100.75	17	102.14	107.13	2.34	17.93	1.84	4.92

Drainage area (ac)	= 0.40	Slope of invert (%)	= 5.000
Runoff coefficient (C)	= 0.57	Slope energy grade line (%)	= 5.000
Time of conc. (min)	= 35.13	Critical depth (in)	= 24
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 107.67
Intensity @ 10 yr (in/hr)	= 4.42	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 9.48	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 41.88	Full-flow capacity (cfs)	= 50.57

Q Catchment (cfs)	= 1.65		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.06
Q Captured (cfs)	= 0.79	Cross slope (ft/ft)	= 0.02
Q Bypassed to 1 (cfs)	= 0.86	Width of Flow (ft)	= 5.66

Line 3 Q = 41.00 Size = 24 x 24 (Cir) Nv = 0.013 Len = 212.0 JLC = 0.00

s-14 to s-15 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	100.85	17	102.24	107.03	2.34	17.55	1.84	4.82
Upstrm	111.29	17	112.68	117.46	2.34	17.55	1.84	6.90

Drainage area (ac)	= 0.47	Slope of invert (%)	= 4.922
Runoff coefficient (C)	= 0.56	Slope energy grade line (%)	= 4.922
Time of conc. (min)	= 34.93	Critical depth (in)	= 24
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 120.19
Intensity @ 10 yr (in/hr)	= 4.43	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 9.25	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 41.00	Full-flow capacity (cfs)	= 50.18

Q Catchment (cfs)	= 1.90	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 18.32	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 4.49	Width of Flow (ft)	= 16.55
Q Bypassed to 1 (cfs)	= 15.73		

Line 4 Q = 40.01 Size = 24 x 24 (Cir) Nv = 0.013 Len = 258.0 JLC = 0.00

s-15 to s-16 / Downstream line = 3

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	113.69	19	115.26	118.82	2.64	15.14	1.65	4.50
Upstrm	122.65	19	124.22	127.78	2.64	15.14	1.65	4.36

Drainage area (ac)	= 0.32	Slope of invert (%)	= 3.473
Runoff coefficient (C)	= 0.57	Slope energy grade line (%)	= 3.473
Time of conc. (min)	= 34.65	Critical depth (in)	= 24
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 129.01
Intensity @ 10 yr (in/hr)	= 4.45	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 8.98	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 40.01	Full-flow capacity (cfs)	= 42.15

Q Catchment (cfs)	= 1.32	Gutter slope (ft/ft)	= 0.02
Q Carryover (cfs)	= 21.15	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 5.06	Width of Flow (ft)	= 17.86
Q Bypassed to 3 (cfs)	= 17.41		

Line 5 Q = 32.21 Size = 24 x 24 (Cir) Nv = 0.013 Len = 324.0 JLC = 0.00

s-16 to s-17 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	122.75	20	124.40	126.50	2.77	11.64	1.52	4.26
Upstrm	129.30	20	130.95	133.05	2.77	11.64	1.52	5.15

Drainage area (ac)	=	0.85	Slope of invert (%)	=	2.022
Runoff coefficient (C)	=	0.46	Slope energy grade line (%)	=	2.022
Time of conc. (min)	=	34.18	Critical depth (in)	=	23
Inlet Time (min)	=	15.70	Natural ground elev. (ft)	=	136.45
Intensity @ 10 yr (in/hr)	=	4.49	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	7.18	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	32.21	Full-flow capacity (cfs)	=	32.16

Q Catchment (cfs)	=	2.47	Gutter slope (ft/ft)	=	0.02
Q Carryover (cfs)	=	18.70	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	5.00	Width of Flow (ft)	=	17.91
Q Bypassed to 4 (cfs)	=	16.18			

Line 6 Q = 2.11 Size = 18 x 18 (Cir) Nv = 0.013 Len = 38.0 JLC = 0.00

s-17 to s-18 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	129.40	18	130.95	130.97	1.77	1.19	0.00	5.55
Upstrm	129.59	16	130.96	130.98	1.69	1.25	0.85	5.01

Drainage area (ac)	=	0.52	Slope of invert (%)	=	0.500
Runoff coefficient (C)	=	0.56	Slope energy grade line (%)	=	0.030
Time of conc. (min)	=	10.00	Critical depth (in)	=	7
Inlet Time (min)	=	10.00	Natural ground elev. (ft)	=	136.10
Intensity @ 10 yr (in/hr)	=	7.24	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	0.29	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	2.11	Full-flow capacity (cfs)	=	7.43

Q Catchment (cfs)	=	2.11	Gutter slope (ft/ft)	=	0.02
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	1.19	Width of Flow (ft)	=	7.59
Q Bypassed to 3 (cfs)	=	0.92			

Line 7 Q = 6.67 Size = 18 x 18 (Cir) Nv = 0.013 Len = 282.0 JLC = 0.00

s-17 to s-19 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	129.68	15	130.95	131.22	1.59	4.19	1.38	5.27
Upstrm	135.45	12	136.43	136.89	1.23	5.42	1.42	5.00

Drainage area (ac)	=	2.82	Slope of invert (%)	=	2.046
Runoff coefficient (C)	=	0.42	Slope energy grade line (%)	=	2.011
Time of conc. (min)	=	21.20	Critical depth (in)	=	12
Inlet Time (min)	=	21.20	Natural ground elev. (ft)	=	141.95
Intensity @ 10 yr (in/hr)	=	5.63	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	1.18	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	6.67	Full-flow capacity (cfs)	=	15.02

Q Catchment (cfs)	=	6.67	Gutter slope (ft/ft)	=	0.02
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	2.49	Width of Flow (ft)	=	11.70
Q Bypassed to 5 (cfs)	=	4.18			

Line 8 Q = 23.87 Size = 18 x 18 (Cir) Nv = 0.013 Len = 54.0 JLC = 0.00

s-17 to s-23 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	129.40	18	130.95	133.78	1.77	13.51	0.00	5.55
Upstrm	132.25	18	133.75	136.58	1.77	13.51	0.02	4.69

Drainage area (ac)	=	0.19	Slope of invert (%)	=	5.278
Runoff coefficient (C)	=	0.60	Slope energy grade line (%)	=	5.188
Time of conc. (min)	=	34.12	Critical depth (in)	=	18
Inlet Time (min)	=	10.00	Natural ground elev. (ft)	=	138.44
Intensity @ 10 yr (in/hr)	=	4.49	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	5.31	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	23.87	Full-flow capacity (cfs)	=	24.12

Q Catchment (cfs)	=	0.81	Gutter slope (ft/ft)	=	0.05
Q Carryover (cfs)	=	0.36	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	0.63	Width of Flow (ft)	=	5.04
Q Bypassed to 5 (cfs)	=	0.54			

Line 9 Q = 2.18 Size = 15 x 15 (Cir) Nv = 0.013 Len = 33.0 JLC = 0.00

s-23 to s-24 / Downstream line = 8

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	132.95	10	133.75	133.86	0.83	2.62	1.00	4.24
Upstrm	133.58	7	134.17	134.39	0.57	3.82	1.25	3.61

Drainage area (ac)	= 0.72	Slope of invert (%)	= 1.900
Runoff coefficient (C)	= 0.45	Slope energy grade line (%)	= 1.626
Time of conc. (min)	= 12.80	Critical depth (in)	= 7
Inlet Time (min)	= 12.80	Natural ground elev. (ft)	= 138.44
Intensity @ 10 yr (in/hr)	= 6.76	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.32	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 2.18	Full-flow capacity (cfs)	= 8.90

Q Catchment (cfs)	= 2.18		
Q Carryover (cfs)	= 15.75	Gutter slope (ft/ft)	= 0.06
Q Captured (cfs)	= 3.94	Cross slope (ft/ft)	= 0.03
Q Bypassed to 5 (cfs)	= 13.98	Width of Flow (ft)	= 11.41

Line 10 Q = 9.35 Size = 18 x 18 (Cir) Nv = 0.013 Len = 55.0 JLC = 0.00

s-16 to s-20 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	124.00	11	124.90	126.00	1.11	8.42	1.47	3.51
Upstrm	124.97	11	125.87	126.97	1.11	8.42	1.47	4.85

Drainage area (ac)	= 0.21	Slope of invert (%)	= 1.762
Runoff coefficient (C)	= 0.63	Slope energy grade line (%)	= 1.762
Time of conc. (min)	= 20.00	Critical depth (in)	= 14
Inlet Time (min)	= 20.00	Natural ground elev. (ft)	= 131.32
Intensity @ 10 yr (in/hr)	= 5.77	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.62	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 9.35	Full-flow capacity (cfs)	= 13.94

Q Catchment (cfs)	= 0.78		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.03
Q Captured (cfs)	= 0.56	Cross slope (ft/ft)	= 0.02
Q Bypassed to 4 (cfs)	= 0.22	Width of Flow (ft)	= 4.87

Line 11 Q = 3.56 Size = 18 x 18 (Cir) Nv = 0.013 Len = 29.0 JLC = 0.00

s-20 to s-21 / Downstream line = 10

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	125.17	9	125.89	126.17	0.84	4.24	1.04	4.65
Upstrm	125.32	9	126.05	126.32	0.85	4.19	1.50	4.50

Drainage area (ac)	=	1.40	Slope of invert (%)	=	0.514
Runoff coefficient (C)	=	0.42	Slope energy grade line (%)	=	0.514
Time of conc. (min)	=	17.70	Critical depth (in)	=	9
Inlet Time (min)	=	17.70	Natural ground elev. (ft)	=	131.32
Intensity @ 10 yr (in/hr)	=	6.05	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	0.59	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	3.56	Full-flow capacity (cfs)	=	7.53

Q Catchment (cfs)	=	3.56	Gutter slope (ft/ft)	=	0.03
Q Carryover (cfs)	=	4.06	Cross slope (ft/ft)	=	0.03
Q Captured (cfs)	=	2.87	Width of Flow (ft)	=	9.52
Q Bypassed to 4 (cfs)	=	4.75			

Line 12 Q = 6.17 Size = 18 x 18 (Cir) Nv = 0.013 Len = 176.0 JLC = 0.00

s-20 to s-22 / Downstream line = 10

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	125.07	7	125.67	127.01	0.67	9.26	1.47	4.75
Upstrm	130.57	7	131.17	132.51	0.67	9.26	1.47	4.50

Drainage area (ac)	=	2.19	Slope of invert (%)	=	3.125
Runoff coefficient (C)	=	0.41	Slope energy grade line (%)	=	3.125
Time of conc. (min)	=	12.10	Critical depth (in)	=	11
Inlet Time (min)	=	12.10	Natural ground elev. (ft)	=	136.57
Intensity @ 10 yr (in/hr)	=	6.87	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	0.90	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	6.17	Full-flow capacity (cfs)	=	18.56

Q Catchment (cfs)	=	6.17	Gutter slope (ft/ft)	=	0.03
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	2.10	Width of Flow (ft)	=	10.46
Q Bypassed to 11 (cfs)	=	4.06			

Line 13 Q = 22.03 Size = 18 x 18 (Cir) Nv = 0.013 Len = 276.0 JLC = 0.00

s-23 to s25 / Downstream line = 8

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	132.40	14	133.58	136.99	1.49	14.82	1.23	4.54
Upstrm	146.00	14	147.18	150.59	1.49	14.82	1.23	5.70

Drainage area (ac)	= 0.19	Slope of invert (%)	= 4.928
Runoff coefficient (C)	= 0.63	Slope energy grade line (%)	= 4.928
Time of conc. (min)	= 33.81	Critical depth (in)	= 18
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 153.20
Intensity @ 10 yr (in/hr)	= 4.51	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 4.88	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 22.03	Full-flow capacity (cfs)	= 23.31

Q Catchment (cfs)	= 0.87		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.06
Q Captured (cfs)	= 0.51	Cross slope (ft/ft)	= 0.02
Q Bypassed to 8 (cfs)	= 0.36	Width of Flow (ft)	= 4.40

Line 14 Q = 22.25 Size = 18 x 18 (Cir) Nv = 0.013 Len = 69.0 JLC = 0.00

s-25 to s-26 / Downstream line = 13

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	146.50	15	147.76	150.81	1.59	14.01	1.09	5.20
Upstrm	149.48	15	150.74	153.79	1.59	14.01	1.09	2.84

Drainage area (ac)	= 0.19	Slope of invert (%)	= 4.319
Runoff coefficient (C)	= 0.58	Slope energy grade line (%)	= 4.319
Time of conc. (min)	= 22.64	Critical depth (in)	= 18
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 153.82
Intensity @ 10 yr (in/hr)	= 5.48	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 4.06	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 22.25	Full-flow capacity (cfs)	= 21.82

Q Catchment (cfs)	= 0.81		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.06
Q Captured (cfs)	= 0.49	Cross slope (ft/ft)	= 0.02
Q Bypassed to 9 (cfs)	= 0.32	Width of Flow (ft)	= 4.28

Line 15 Q = 21.66 Size = 18 x 18 (Cir) Nv = 0.013 Len = 27.0 JLC = 0.00

s-26 to s-27 / Downstream line = 14

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	148.68	18	150.74	153.08	1.77	12.26	0.00	3.64
Upstrm	149.82	18	151.89	154.22	1.77	12.25	0.00	2.50

Drainage area (ac)	= 17.96	Slope of invert (%)	= 4.222
Runoff coefficient (C)	= 0.22	Slope energy grade line (%)	= 4.254
Time of conc. (min)	= 22.60	Critical depth (in)	= 18
Inlet Time (min)	= 22.60	Natural ground elev. (ft)	= 153.82
Intensity @ 10 yr (in/hr)	= 5.48	Upstream surcharge (ft)	= 0.57
Cumulative C x A	= 3.95	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 21.66	Full-flow capacity (cfs)	= 21.58

Q Catchment (cfs)	= 21.66	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 8.03	Width of Flow (ft)	= 24.45
Q Bypassed to 9 (cfs)	= 13.63		

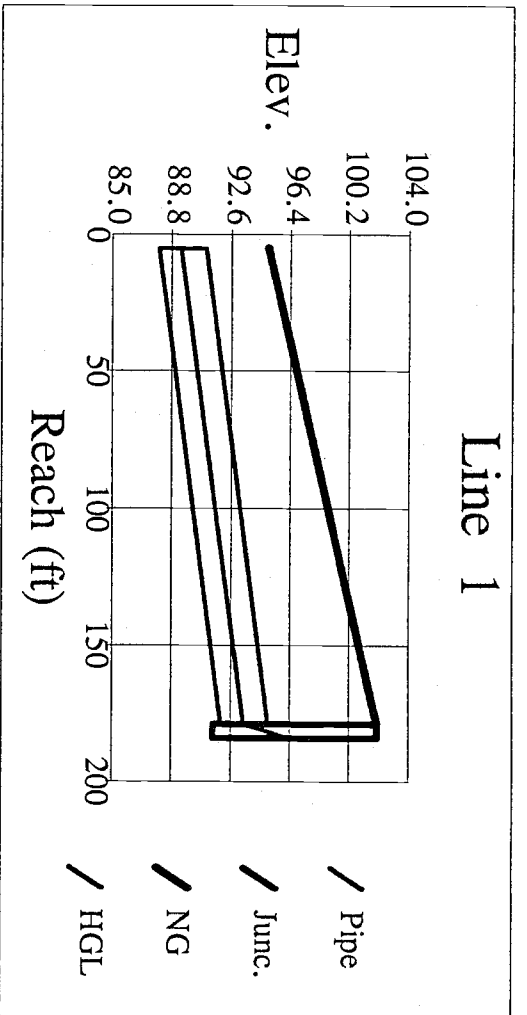
Line 16 Q = 3.15 Size = 18 x 18 (Cir) Nv = 0.013 Len = 61.0 JLC = 0.00

s-25 to s-28 / Downstream line = 13

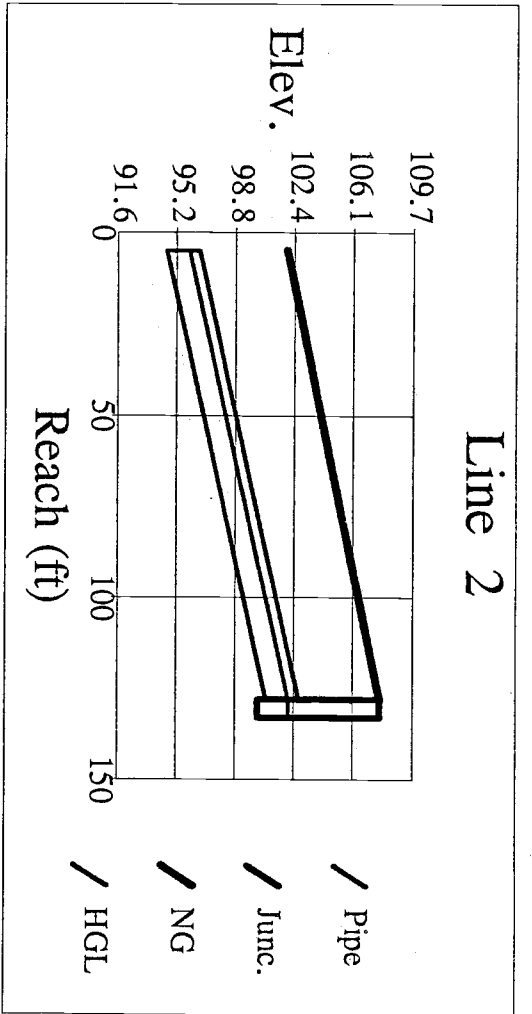
	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	148.00	4	148.36	149.80	0.33	9.64	1.28	3.70
Upstrm	152.00	4	152.36	153.80	0.33	9.64	1.28	3.32

Drainage area (ac)	= 1.55	Slope of invert (%)	= 6.557
Runoff coefficient (C)	= 0.45	Slope energy grade line (%)	= 6.557
Time of conc. (min)	= 33.70	Critical depth (in)	= 8
Inlet Time (min)	= 33.70	Natural ground elev. (ft)	= 156.82
Intensity @ 10 yr (in/hr)	= 4.52	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.70	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 3.15	Full-flow capacity (cfs)	= 26.89

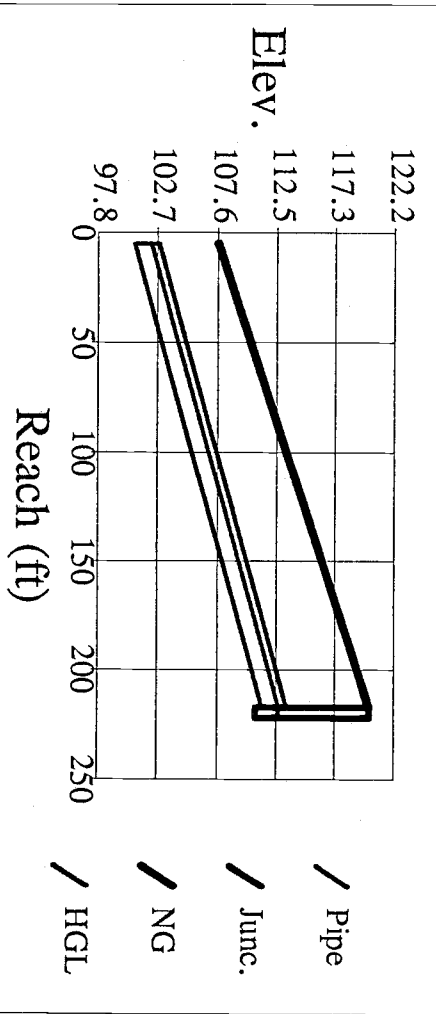
Q Catchment (cfs)	= 3.15	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 1.36	Width of Flow (ft)	= 7.95
Q Bypassed to 9 (cfs)	= 1.80		



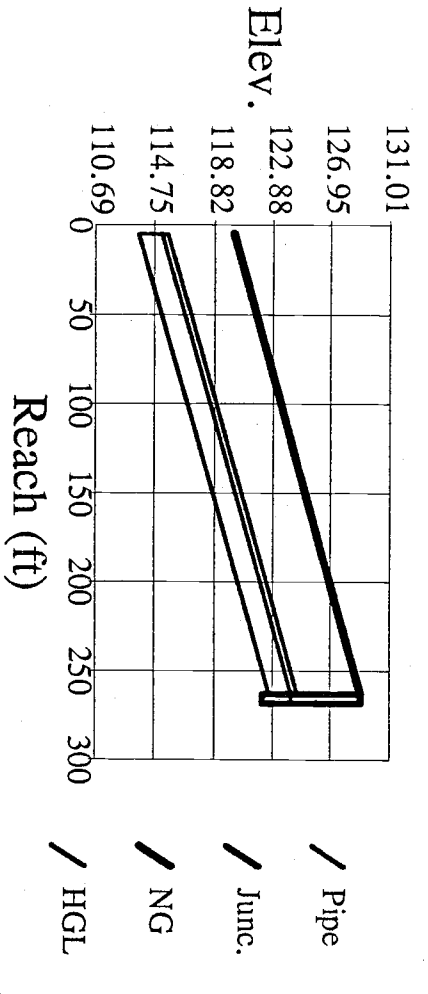
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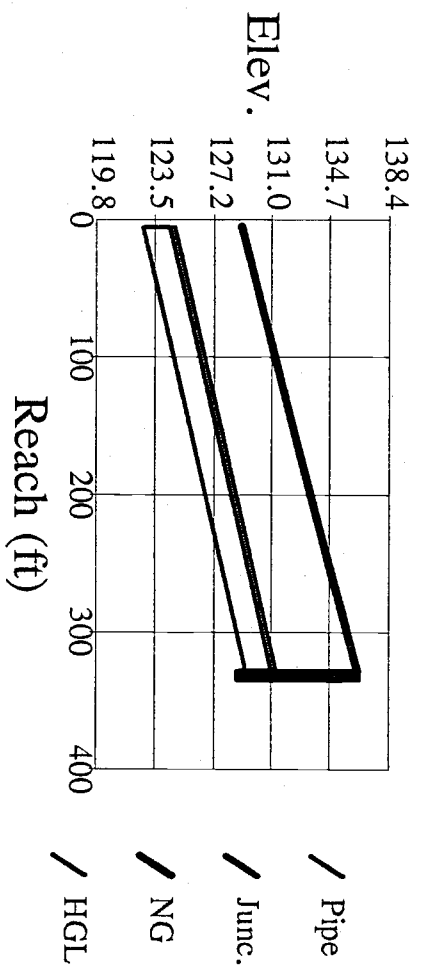
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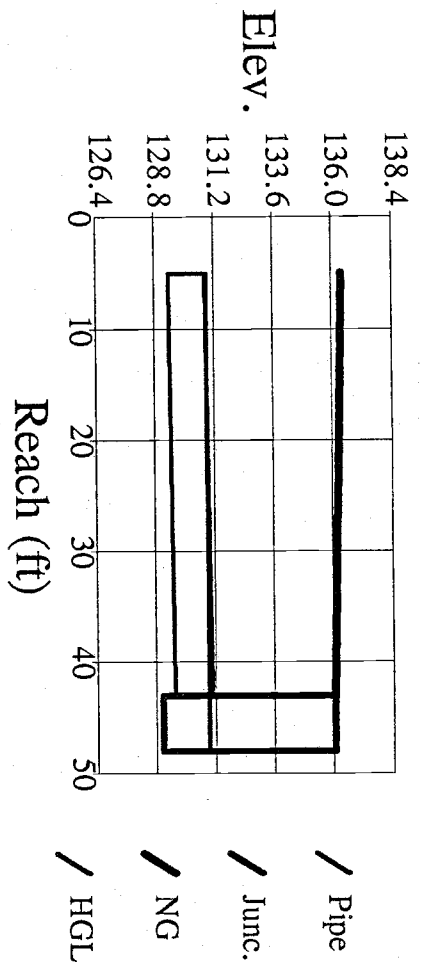
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Line 5

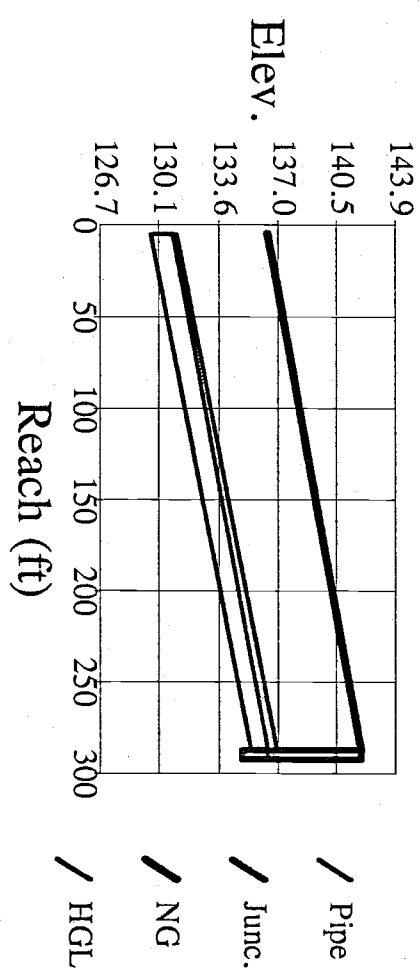


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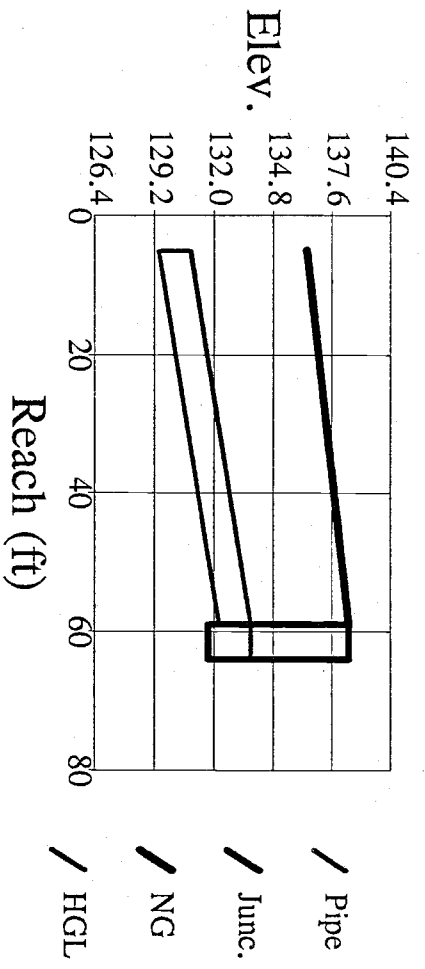


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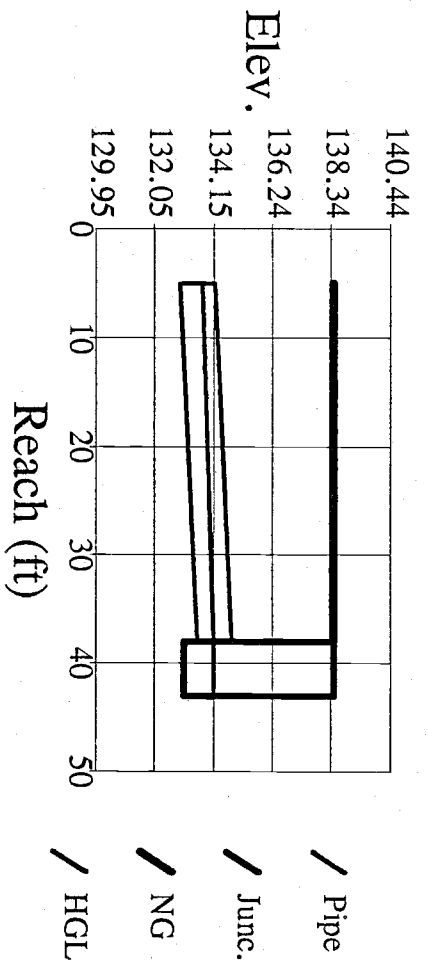
Line 7



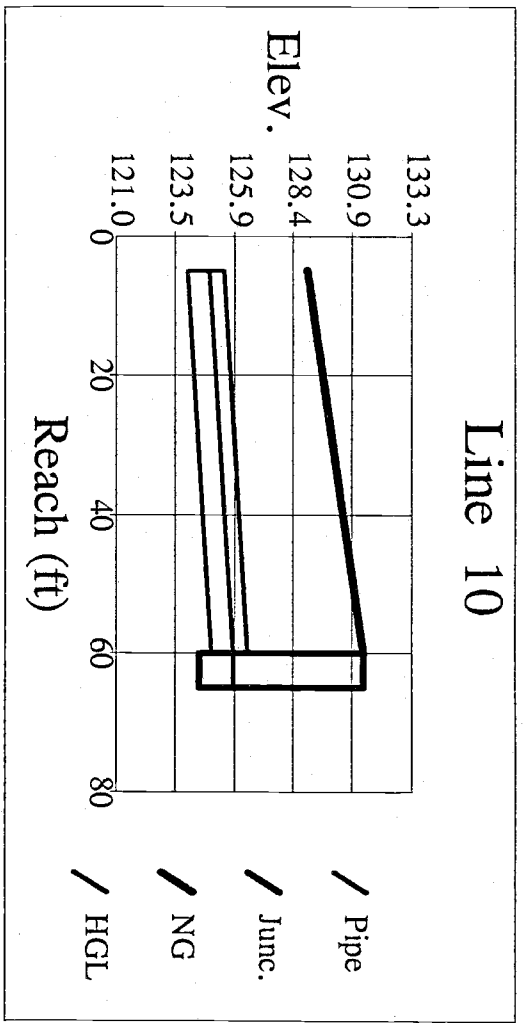
Line 8



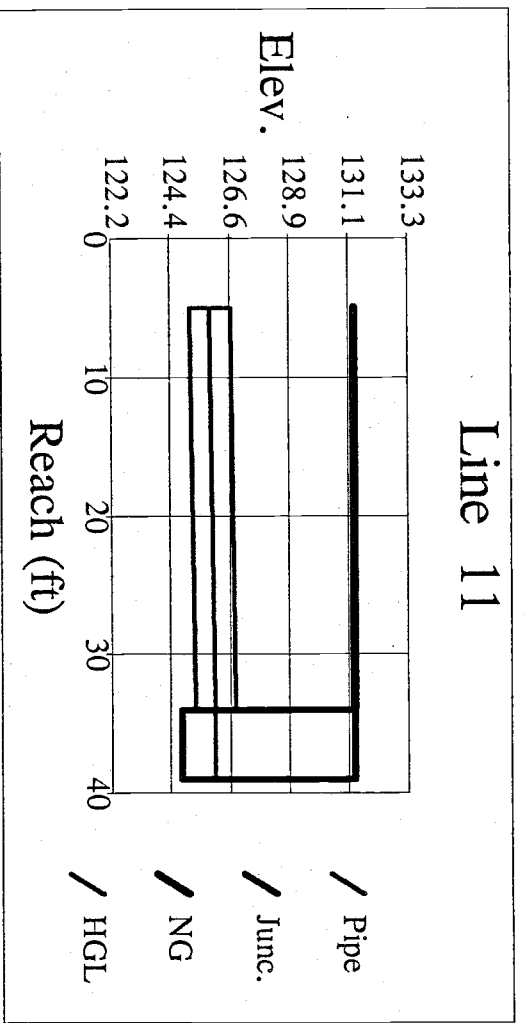
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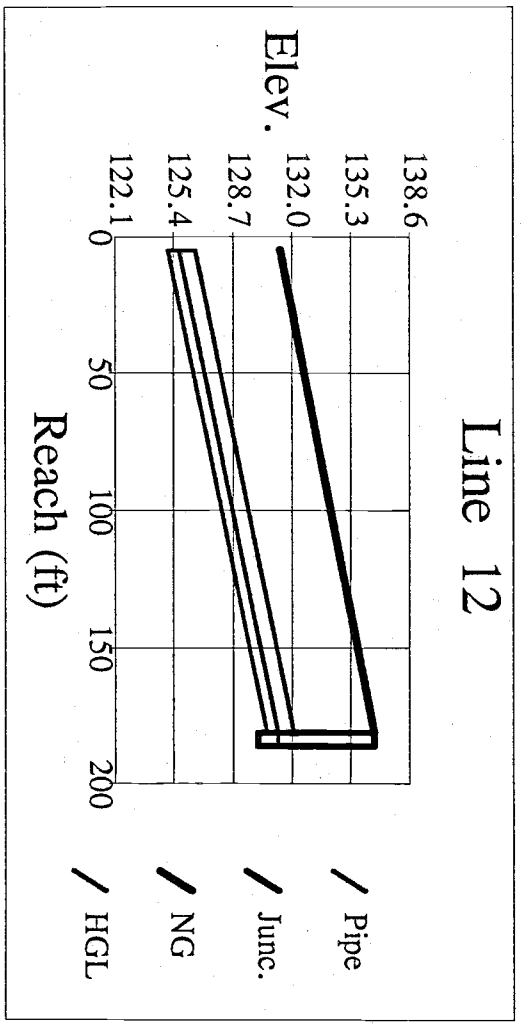
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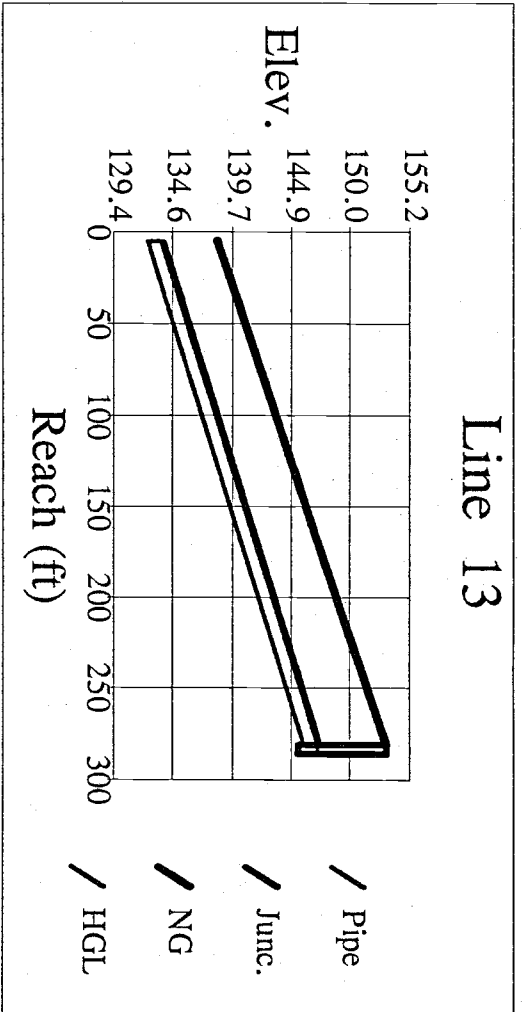
Line 11

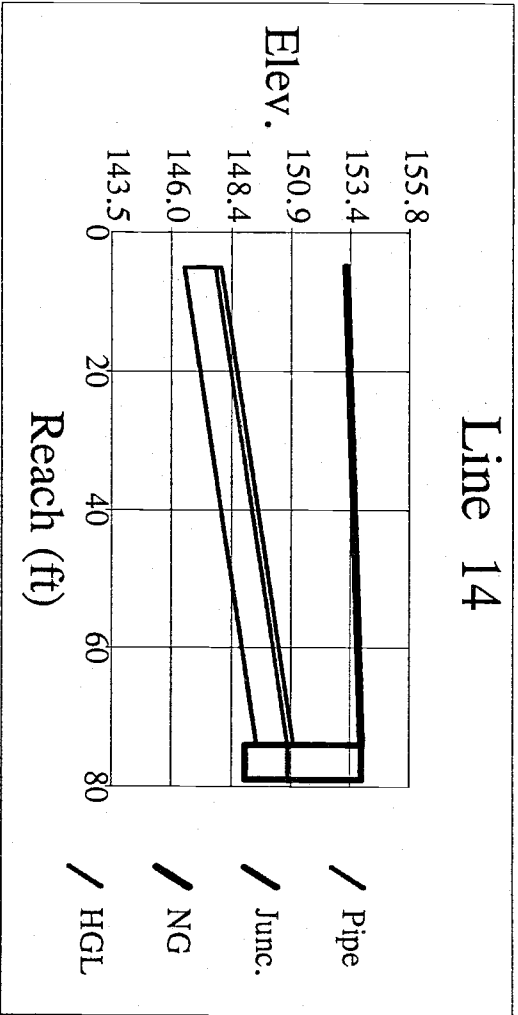


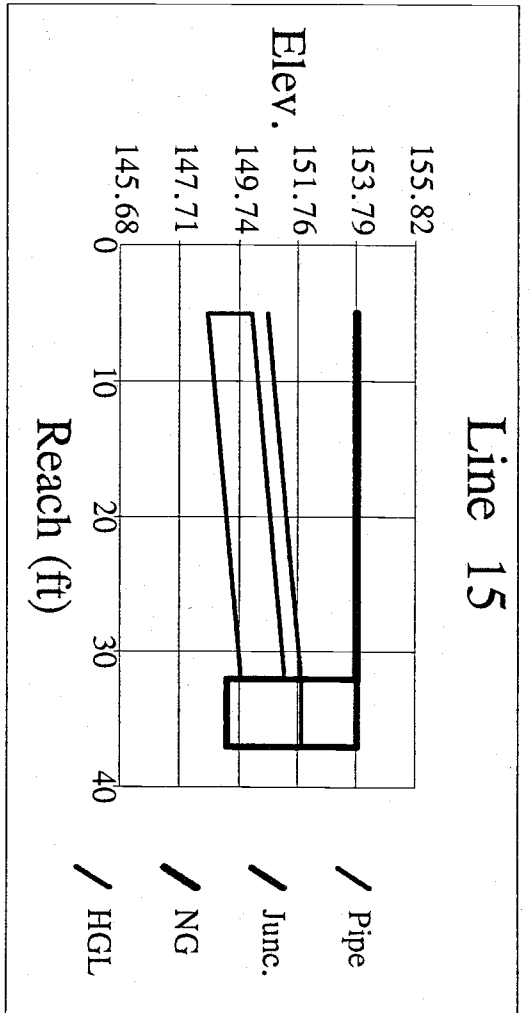
Line 12



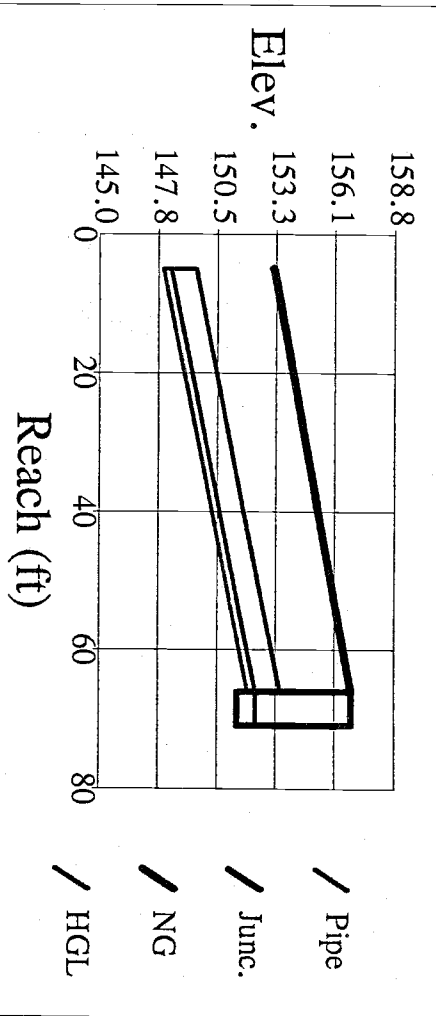
Line 13





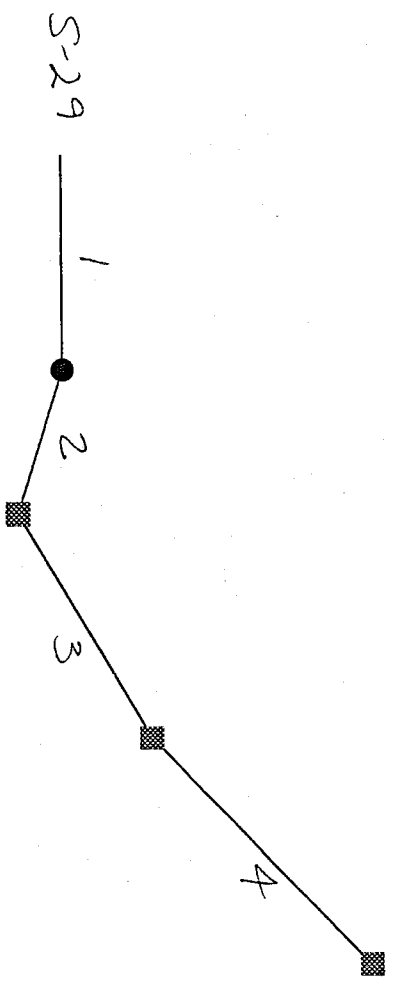


Line 16



Storm Sewer Design & Analysis

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Proj. file: PINES_D.STM

IDF file: FDOTZ7.IDF

No. Lines: 4

04-13-2000

Line 1 Q = 7.46 Size = 15 x 15 (Cir) Nv = 0.013 Len = 40.0 JLC = 1.00

s-29 to s-30 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00 ✓	15	90.00	90.57	1.23	6.08	0.00	17.75
Upstrm	94.20	13	95.31	95.96	1.15	6.49	0.80	7.22

Drainage area (ac)	= 0.00	Slope of invert (%)	= 15.500 ✓
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 13.467
Time of conc. (min)	= 16.90	Critical depth (in)	= 13
Inlet Time (min)	= 0.00	Natural ground elev. (ft)	= 102.67 ✓
Intensity @ 10 yr (in/hr)	= 6.16	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.21	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 7.46	Full-flow capacity (cfs)	= 25.42

Q Catchment (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Width of Flow (ft)	= 0.00
Q Bypassed to 0 (cfs)	= 0.00		

Line 2 Q = 7.49 Size = 15 x 15 (Cir) Nv = 0.013 Len = 176.0 JLC = 0.00

s-30 to s-31 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	97.00 ✓	6	97.53	101.01	0.50	14.96	1.24	4.42
Upstrm	113.50	6	114.03	117.51	0.50	14.96	1.24	4.05

Drainage area (ac)	= 0.53	Slope of invert (%)	= 9.375 ✓
Runoff coefficient (C)	= 0.46	Slope energy grade line (%)	= 9.375
Time of conc. (min)	= 16.70	Critical depth (in)	= 13
Inlet Time (min)	= 16.70	Natural ground elev. (ft)	= 118.80 ✓
Intensity @ 10 yr (in/hr)	= 6.18	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.21	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 7.49	Full-flow capacity (cfs)	= 19.77

Q Catchment (cfs)	= 1.51	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 2.92	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 4.43	Width of Flow (ft)	= 9.93
Q Bypassed to 1 (cfs)	= 0.00		

Line 3 Q = 6.98 Size = 15 x 15 (Cir) Nv = 0.013 Len = 160.0 JLC = 0.00

s-31 to s-32 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	113.36 ✓	7	113.91	116.71	0.52	13.44	1.24	4.19
Upstrm	125.50 ✓	7	126.05	128.85	0.52	13.44	1.24	3.87

Drainage area (ac)	= 0.16	Slope of invert (%)	= 7.588 ✓
Runoff coefficient (C)	= 0.61	Slope energy grade line (%)	= 7.587
Time of conc. (min)	= 10.11	Critical depth (in)	= 13
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 130.62 ✓
Intensity @ 10 yr (in/hr)	= 7.22	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.97	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 6.98	Full-flow capacity (cfs)	= 17.79

Q Catchment (cfs)	= 0.71		
Q Carryover (cfs)	= 3.48	Gutter slope (ft/ft)	= 0.08
Q Captured (cfs)	= 1.27	Cross slope (ft/ft)	= 0.02
Q Bypassed to 2 (cfs)	= 2.92	Width of Flow (ft)	= 7.54

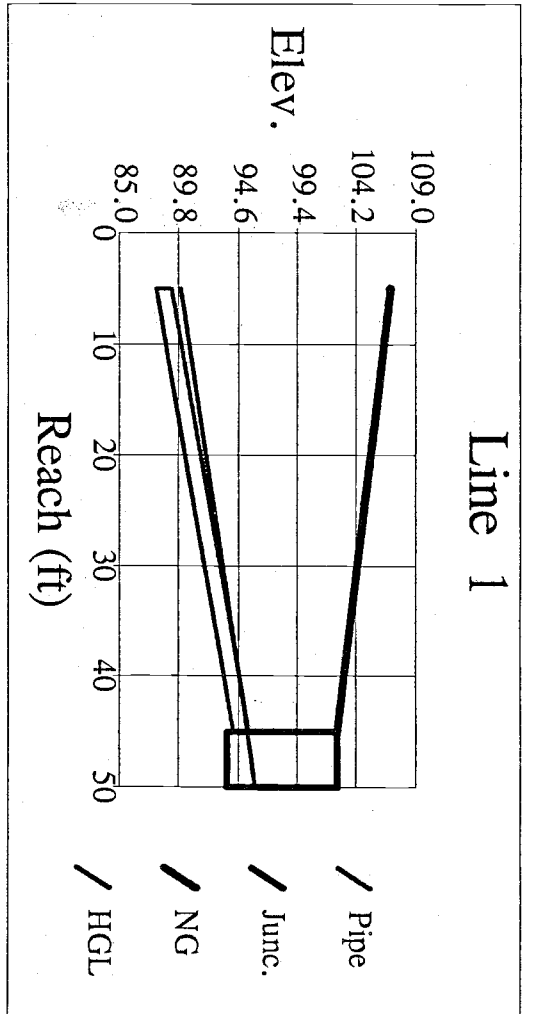
Line 4 Q = 6.29 Size = 15 x 15 (Cir) Nv = 0.013 Len = 71.0 JLC = 0.00

S-32 TO S-33 / Downstream line = 3

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	125.62 ✓	7	126.23	127.95	0.60	10.53	1.25	3.75
Upstrm	128.75 ✓	7	129.36	131.08	0.60	10.53	1.25	3.75

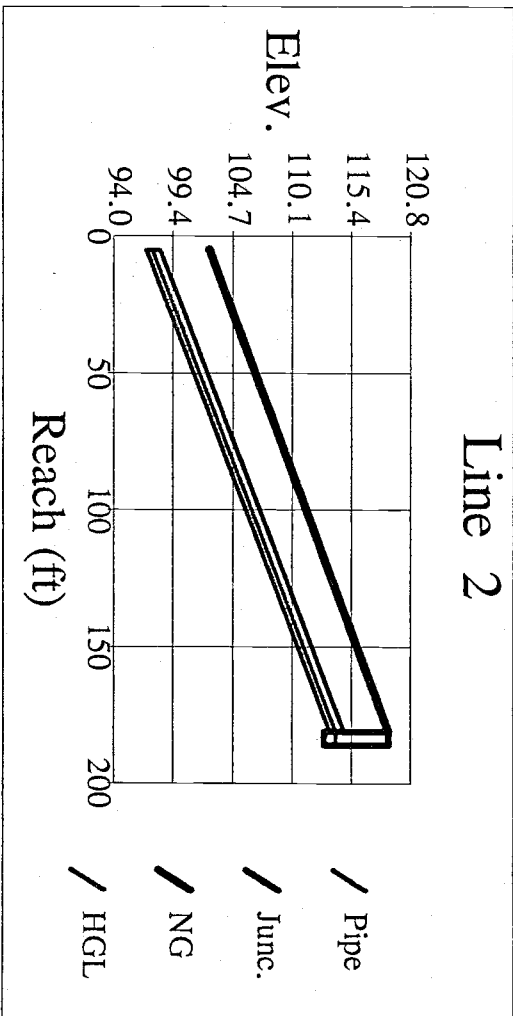
Drainage area (ac)	= 2.07	Slope of invert (%)	= 4.408 ✓
Runoff coefficient (C)	= 0.42	Slope energy grade line (%)	= 4.408
Time of conc. (min)	= 10.00	Critical depth (in)	= 12
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 133.75 ✓
Intensity @ 10 yr (in/hr)	= 7.24	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.87	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 6.29	Full-flow capacity (cfs)	= 13.56

Q Catchment (cfs)	= 6.29		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.01
Q Captured (cfs)	= 2.81	Cross slope (ft/ft)	= 0.02
Q Bypassed to 3 (cfs)	= 3.48	Width of Flow (ft)	= 12.80

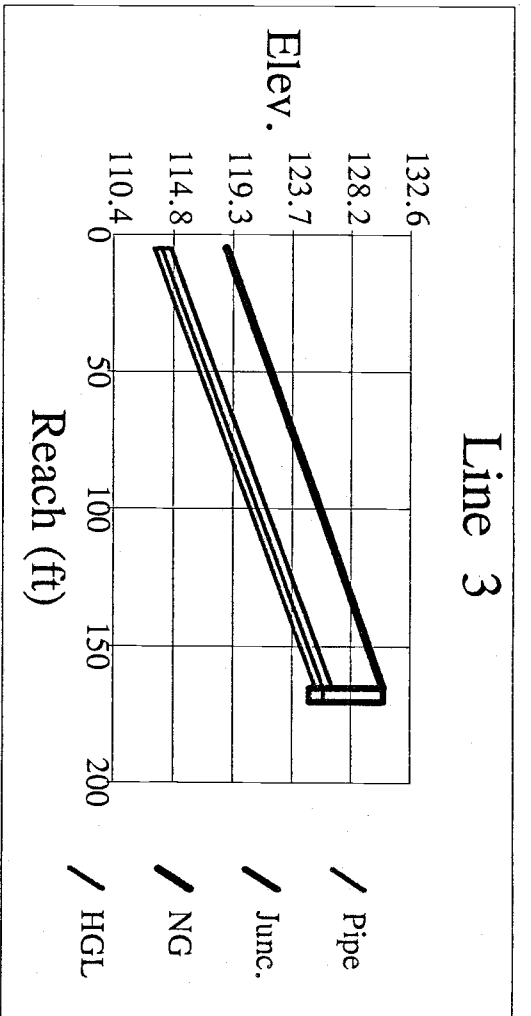


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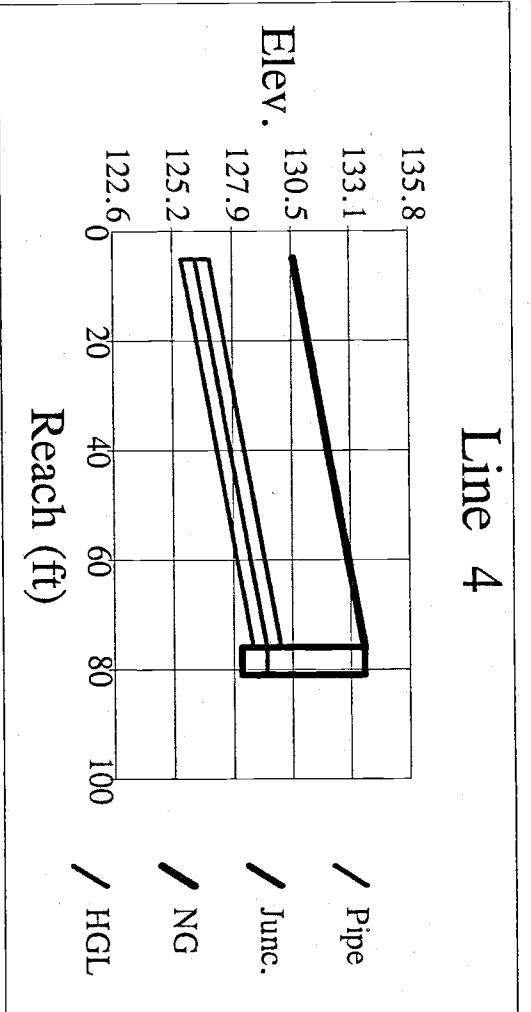
Line 2



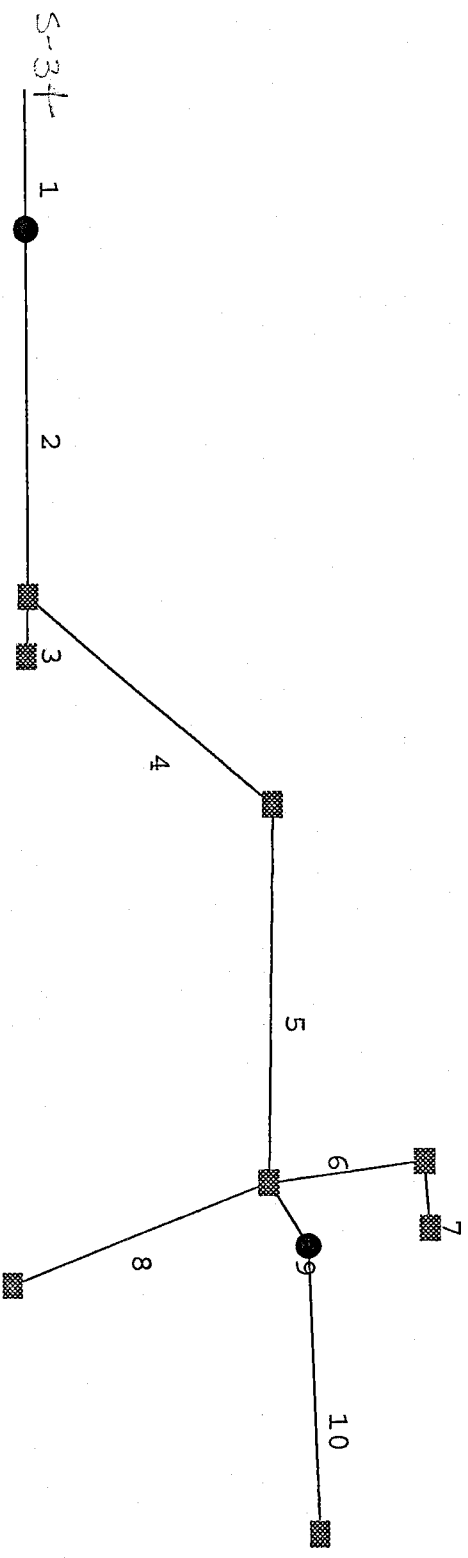
Line 3



Line 4



265



Line 1 Q = 44.89 Size = 24 x 24 (Cir) Nv = 0.013 Len = 67.0 JLC = 1.00

S-34 TO S-35 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00	18	89.50	94.37	2.54	17.70	1.73	24.00
Upstrm	91.25	18	92.75	97.62	2.54	17.70	1.73	11.42

Drainage area (ac)	= 0.00	Slope of invert (%)	= 4.851
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 4.851
Time of conc. (min)	= 21.62	Critical depth (in)	= 24
Inlet Time (min)	= 0.00	Natural ground elev. (ft)	= 104.67
Intensity @ 10 yr (in/hr)	= 5.59	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 8.04	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 44.89	Full-flow capacity (cfs)	= 49.81

Q Catchment (cfs)	= 0.00		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Cross slope (ft/ft)	= 0.00
Q Bypassed to 0 (cfs)	= 0.00	Width of Flow (ft)	= 0.00

Line 2 Q = 44.99 Size = 24 x 24 (Cir) Nv = 0.013 Len = 178.0 JLC = 0.00

s-35 to s-36 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	99.67	13	100.72	111.87	1.68	26.79	2.00	3.00
Upstrm	124.00	13	125.05	136.20	1.68	26.79	2.00	5.31

Drainage area (ac)	= 0.21	Slope of invert (%)	= 13.669
Runoff coefficient (C)	= 0.60	Slope energy grade line (%)	= 13.669
Time of conc. (min)	= 21.51	Critical depth (in)	= 24
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 131.31
Intensity @ 10 yr (in/hr)	= 5.60	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 8.04	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 44.99	Full-flow capacity (cfs)	= 83.62

Q Catchment (cfs)	= 0.91		
Q Carryover (cfs)	= 1.57	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 2.48	Cross slope (ft/ft)	= 0.02
Q Bypassed to 1 (cfs)	= 0.00	Width of Flow (ft)	= 6.80

Line 3 Q = 7.14 Size = 18 x 18 (Cir) Nv = 0.013 Len = 29.0 JLC = 0.00

s-36 to s-37 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	124.10	7	124.65	126.95	0.59	12.18	1.45	5.71
Upstrm	125.81	7	126.36	128.66	0.59	12.18	1.45	4.00

Drainage area (ac)	= 2.47	Slope of invert (%)	= 5.897
Runoff coefficient (C)	= 0.43	Slope energy grade line (%)	= 5.897
Time of conc. (min)	= 13.00	Critical depth (in)	= 12
Inlet Time (min)	= 13.00	Natural ground elev. (ft)	= 131.31
Intensity @ 10 yr (in/hr)	= 6.72	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.06	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 7.14	Full-flow capacity (cfs)	= 25.50

Q Catchment (cfs)	= 7.14		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 7.14	Cross slope (ft/ft)	= 0.02
Q Bypassed to 2 (cfs)	= 0.00	Width of Flow (ft)	= 14.35

Line 4 Q = 38.49 Size = 24 x 24 (Cir) Nv = 0.013 Len = 187.0 JLC = 0.00

s-36 to s-38 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	124.10	18	125.60	129.18	2.54	15.18	1.73	5.21
Upstrm	130.59	18	132.09	135.67	2.54	15.18	1.73	3.38

Drainage area (ac)	= 0.41	Slope of invert (%)	= 3.471
Runoff coefficient (C)	= 0.46	Slope energy grade line (%)	= 3.471
Time of conc. (min)	= 21.31	Critical depth (in)	= 23
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 135.97
Intensity @ 10 yr (in/hr)	= 5.62	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 6.85	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 38.49	Full-flow capacity (cfs)	= 42.14

Q Catchment (cfs)	= 1.38		
Q Carryover (cfs)	= 0.10	Gutter slope (ft/ft)	= 0.04
Q Captured (cfs)	= 0.79	Cross slope (ft/ft)	= 0.02
Q Bypassed to 2 (cfs)	= 0.69	Width of Flow (ft)	= 5.82

Line 5 Q = 37.58 Size = 24 x 24 (Cir) Nv = 0.013 Len = 185.0 JLC = 0.00

s-38 to s-39 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	130.70	18	132.20	135.61	2.54	14.82	1.73	3.27
Upstrm	136.81	18	138.31	141.72	2.54	14.82	1.73	4.40

Drainage area (ac)	= 0.41	Slope of invert (%)	= 3.302
Runoff coefficient (C)	= 0.63	Slope energy grade line (%)	= 3.302
Time of conc. (min)	= 21.10	Critical depth (in)	= 23
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 143.21
Intensity @ 10 yr (in/hr)	= 5.64	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 6.66	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 37.58	Full-flow capacity (cfs)	= 41.10

Q Catchment (cfs)	= 1.87	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 0.99	Width of Flow (ft)	= 6.69
Q Bypassed to 2 (cfs)	= 0.88		

Line 6 Q = 8.35 Size = 24 x 24 (Cir) Nv = 0.013 Len = 100.0 JLC = 0.00

s-39 to s-40 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	138.31	12	139.33	139.75	1.62	5.16	1.43	2.90
Upstrm	138.83	12	139.86	140.27	1.64	5.10	2.00	2.37

Drainage area (ac)	= 0.16	Slope of invert (%)	= 0.520
Runoff coefficient (C)	= 0.63	Slope energy grade line (%)	= 0.520
Time of conc. (min)	= 10.10	Critical depth (in)	= 12
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 143.20
Intensity @ 10 yr (in/hr)	= 7.22	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.16	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 8.35	Full-flow capacity (cfs)	= 16.31

Q Catchment (cfs)	= 0.75	Gutter slope (ft/ft)	= 0.01
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 0.64	Width of Flow (ft)	= 5.67
Q Bypassed to 4 (cfs)	= 0.10		

Line 7 Q = 7.62 Size = 18 x 18 (Cir) Nv = 0.013 Len = 33.0 JLC = 0.00

s-40 to s-41 / Downstream line = 6

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	138.95	13	140.00	140.52	1.33	5.75	1.26	2.75
Upstrm	139.20	13	140.26	140.77	1.34	5.71	1.37	2.50

Drainage area (ac)	= 2.45	Slope of invert (%)	= 0.758
Runoff coefficient (C)	= 0.43	Slope energy grade line (%)	= 0.757
Time of conc. (min)	= 10.00	Critical depth (in)	= 13
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 143.20
Intensity @ 10 yr (in/hr)	= 7.24	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 1.05	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 7.62	Full-flow capacity (cfs)	= 9.14

Q Catchment (cfs)	= 7.62	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 3.38	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 11.00	Width of Flow (ft)	= 18.26
Q Bypassed to 6 (cfs)	= 0.00		

Line 8 Q = 5.29 Size = 24 x 24 (Cir) Nv = 0.013 Len = 173.0 JLC = 0.00

s-39 to s-42 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	137.86	6	138.36	139.50	0.62	8.56	1.73	3.35
Upstrm	142.93	6	143.43	144.57	0.62	8.56	1.73	7.00

Drainage area (ac)	= 1.70	Slope of invert (%)	= 2.931
Runoff coefficient (C)	= 0.43	Slope energy grade line (%)	= 2.931
Time of conc. (min)	= 10.00	Critical depth (in)	= 10
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 151.93
Intensity @ 10 yr (in/hr)	= 7.24	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.73	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 5.29	Full-flow capacity (cfs)	= 38.72

Q Catchment (cfs)	= 5.29	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 1.91	Width of Flow (ft)	= 9.88
Q Bypassed to 7 (cfs)	= 3.38		

Line 9 Q = 25.48 Size = 18 x 18 (Cir) Nv = 0.013 Len = 40.0 JLC = 0.00

s-39 to s-57 / Downstream line = 5

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	137.86	14	138.99	143.94	1.43	17.87	1.29	3.85
Upstrm	140.69	14	141.82	146.77	1.43	17.87	1.29	2.21

Drainage area (ac)	=	0.00	Slope of invert (%)	=	7.075
Runoff coefficient (C)	=	0.00	Slope energy grade line (%)	=	7.075
Time of conc. (min)	=	21.06	Critical depth (in)	=	18
Inlet Time (min)	=	0.00	Natural ground elev. (ft)	=	144.40
Intensity @ 10 yr (in/hr)	=	5.65	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	4.51	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	25.48	Full-flow capacity (cfs)	=	27.93

Q Catchment (cfs)	=	0.00	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.00
Q Captured (cfs)	=	0.00	Width of Flow (ft)	=	0.00
Q Bypassed to 5 (cfs)	=	0.00			

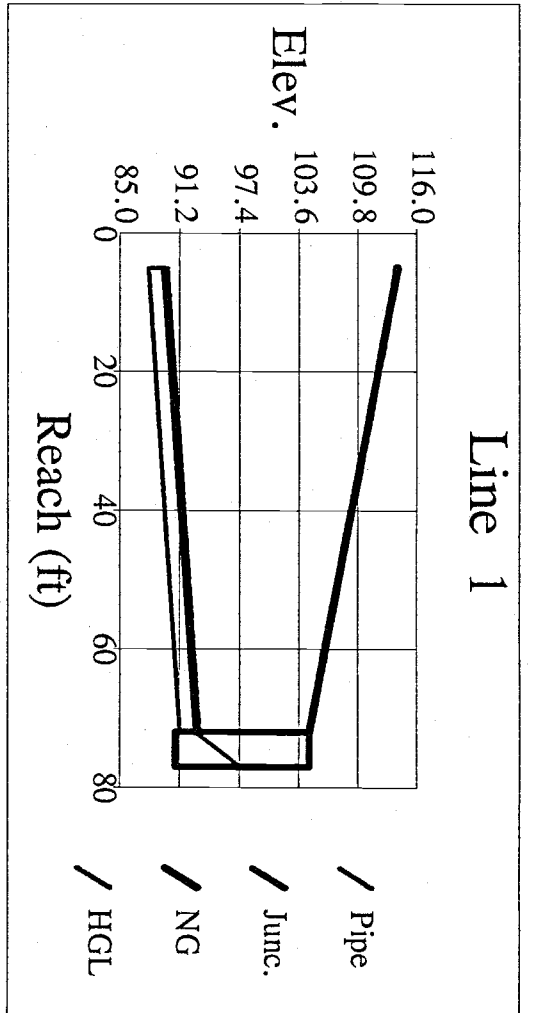
Line 10 Q = 25.56 Size = 18 x 18 (Cir) Nv = 0.013 Len = 140.0 JLC = 0.00

S-57 TO S-54 / Downstream line = 9

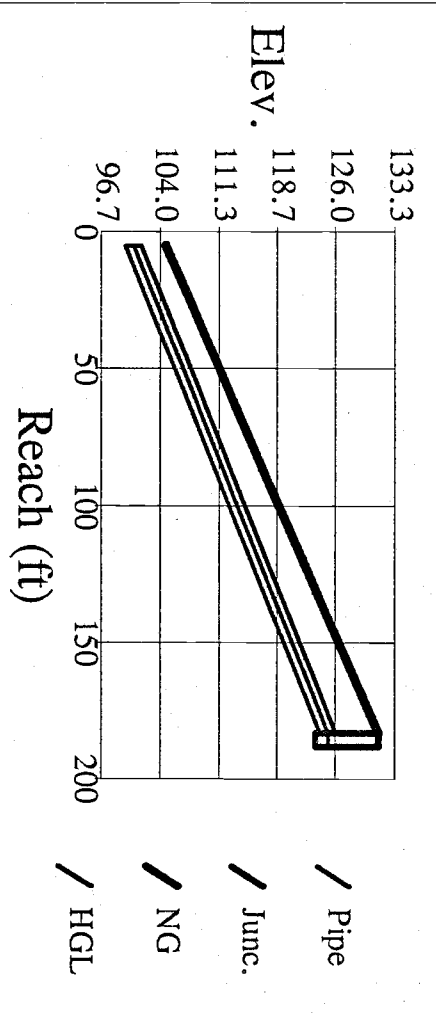
	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	140.79	18	142.28	145.54	1.77	14.47	1.50	2.11
Upstrm	146.10	18	150.34	153.59	1.77	14.47	0.00	3.90

Drainage area (ac)	=	22.56	Slope of invert (%)	=	3.793
Runoff coefficient (C)	=	0.20	Slope energy grade line (%)	=	5.755
Time of conc. (min)	=	20.90	Critical depth (in)	=	18
Inlet Time (min)	=	20.90	Natural ground elev. (ft)	=	151.50
Intensity @ 10 yr (in/hr)	=	5.67	Upstream surcharge (ft)	=	2.74
Cumulative C x A	=	4.51	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	25.56	Full-flow capacity (cfs)	=	20.45

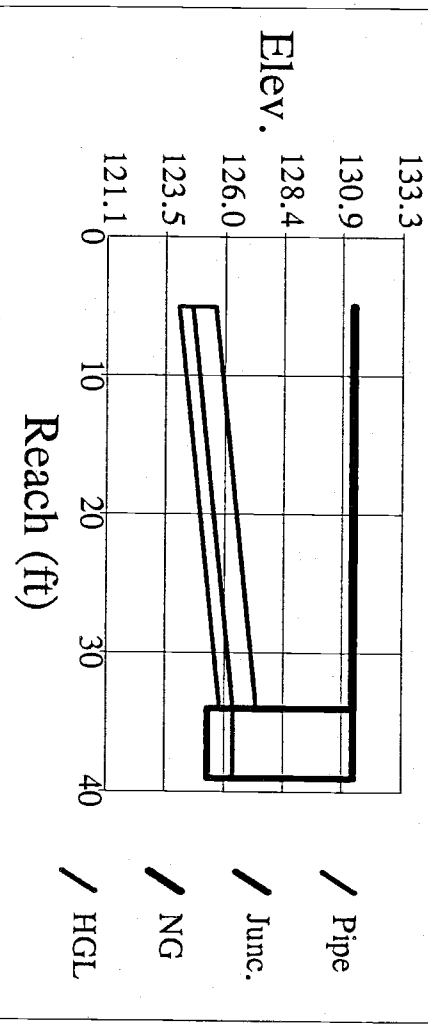
Q Catchment (cfs)	=	25.56	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	25.56	Width of Flow (ft)	=	25.63
Q Bypassed to 9 (cfs)	=	0.00			



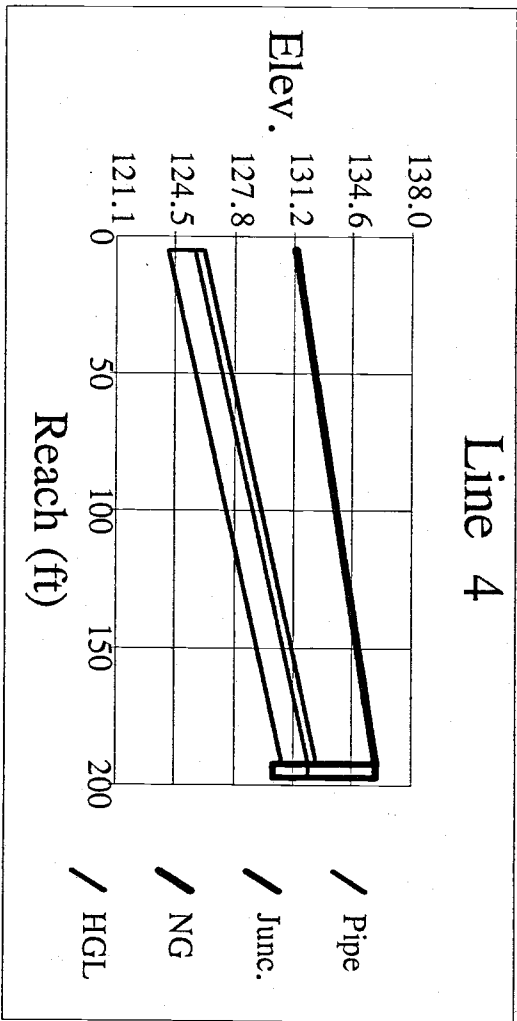
Line 2

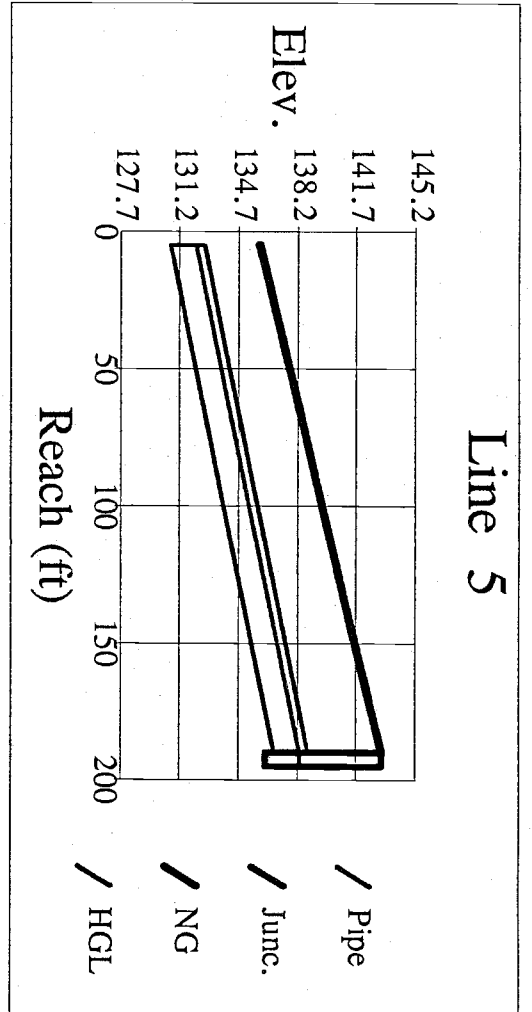


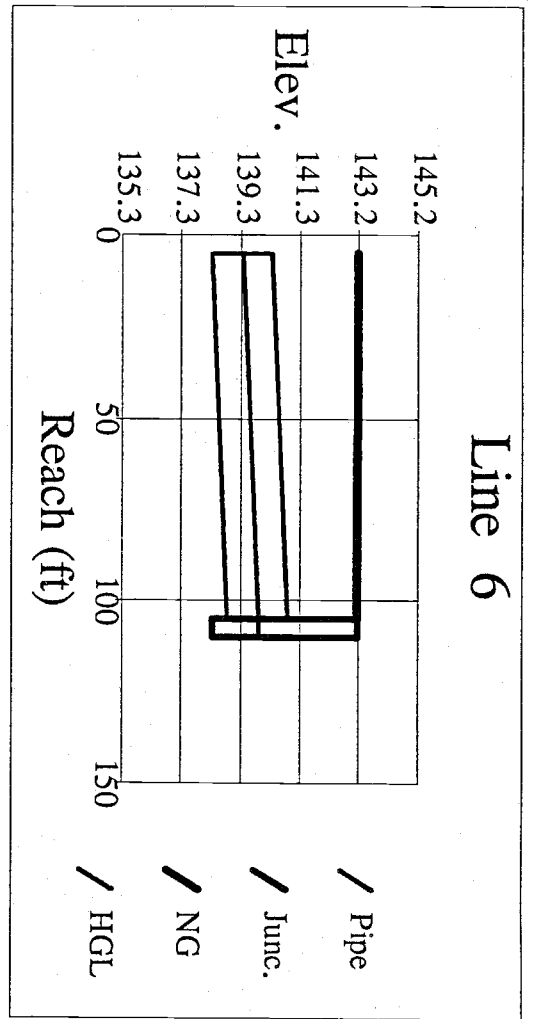
Line 3

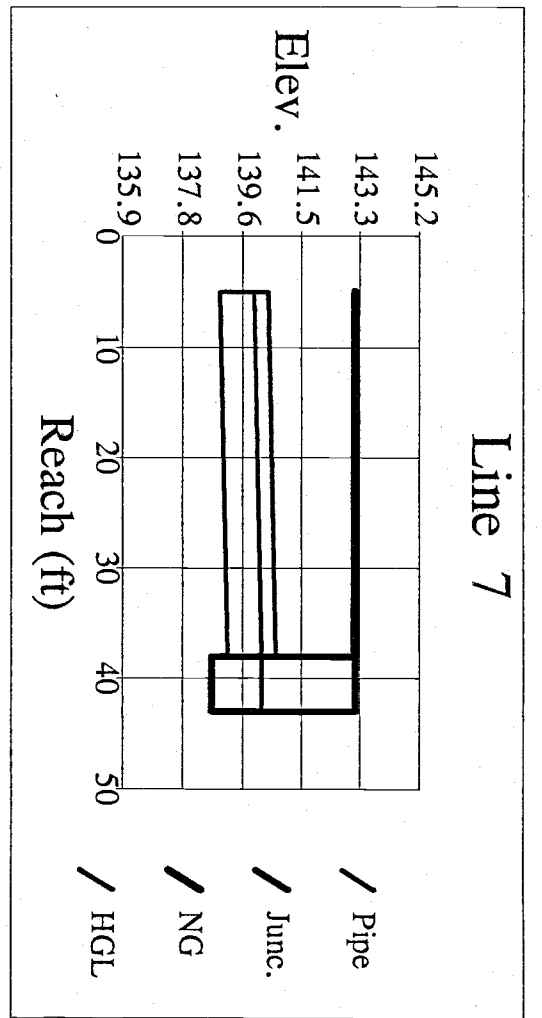


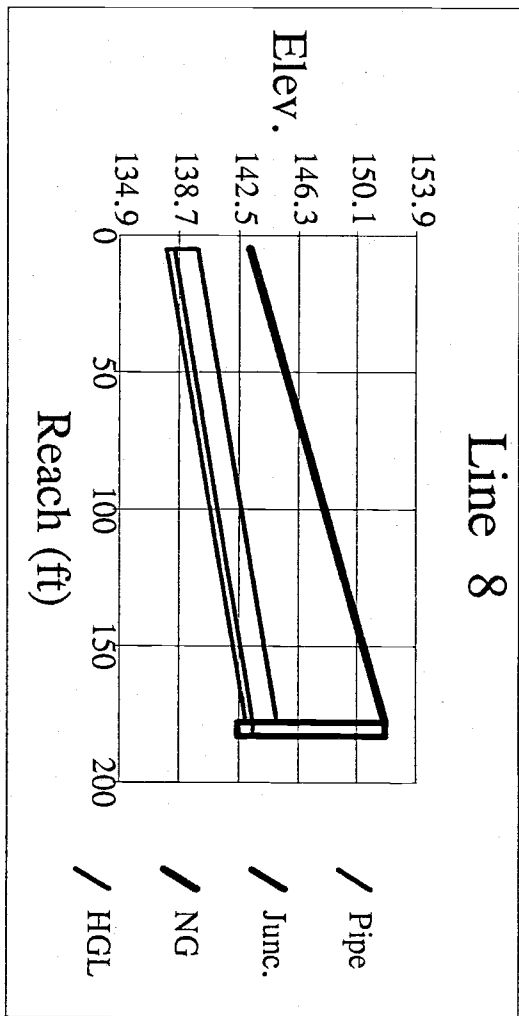
Line 4

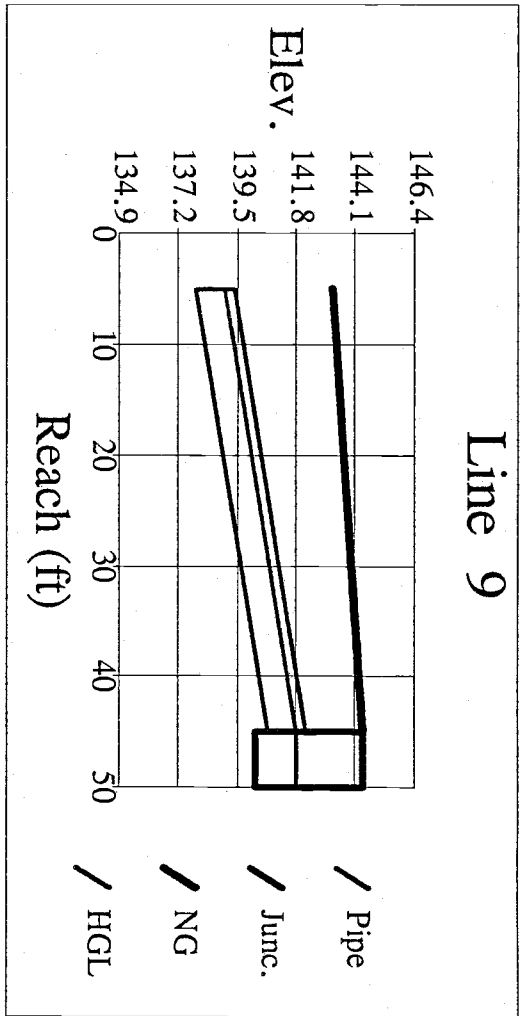




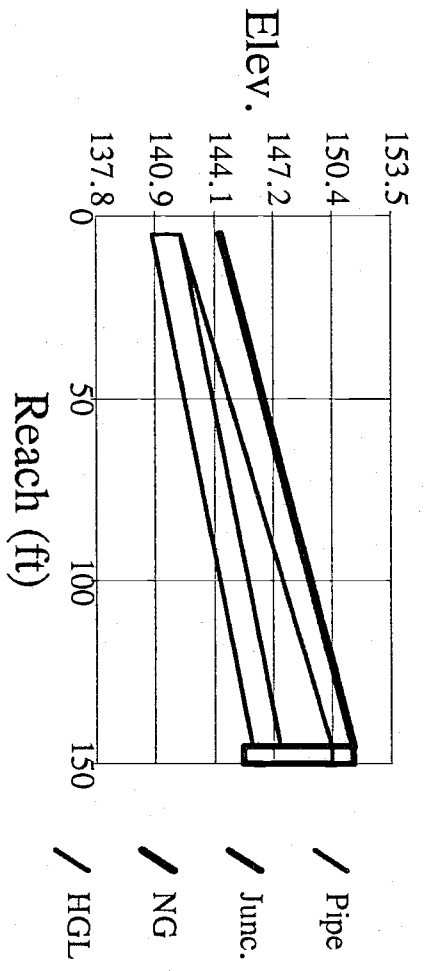








Line 10



Storm Sewer Design & Analysis

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S-43



1

2



3



Proj. file: PINES_F.STM

IDF file: FDOTZ7.IDF

No. Lines: 3

04-13-2000

Line 1 Q = 20.12 Size = 18 x 18 (Cir) Nv = 0.013 Len = 40.0 JLC = 1.00

s-43 to s-44 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00 ✓	18	90.00	92.01	1.77	11.39	0.00	22.10
Upstrm	94.25 ✓	18	95.73	97.75	1.76	11.42	0.36	5.10

Drainage area (ac)	= 0.00	Slope of invert (%)	= 15.625 ✓
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 14.349
Time of conc. (min)	= 16.50	Critical depth (in)	= 18
Inlet Time (min)	= 0.00	Natural ground elev. (ft)	= 100.85 ✓
Intensity @ 10 yr (in/hr)	= 6.21	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 3.24	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 20.12	Full-flow capacity (cfs)	= 41.51

Q Catchment (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Carryover (cfs)	= 15.52	Cross slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Width of Flow (ft)	= 0.00
Q Bypassed to 0 (cfs)	= 15.52		

Line 2 Q = 20.27 Size = 18 x 18 (Cir) Nv = 0.013 Len = 248.0 JLC = 0.00

s-44 to s-45 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	96.00 ✓	18	97.75	99.80	1.77	11.48	0.00	3.35
Upstrm	139.00 ✓	18	140.48	142.53	1.76	11.51	0.36	3.52

Drainage area (ac)	= 0.19	Slope of invert (%)	= 17.339 ✓
Runoff coefficient (C)	= 0.63	Slope energy grade line (%)	= 17.233
Time of conc. (min)	= 16.14	Critical depth (in)	= 18
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 144.02 ✓
Intensity @ 10 yr (in/hr)	= 6.26	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 3.24	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 20.27	Full-flow capacity (cfs)	= 43.73

Q Catchment (cfs)	= 0.88	Gutter slope (ft/ft)	= 0.03
Q Carryover (cfs)	= 0.00	Cross slope (ft/ft)	= 0.02
Q Captured (cfs)	= 0.60	Width of Flow (ft)	= 5.08
Q Bypassed to 1 (cfs)	= 0.28		

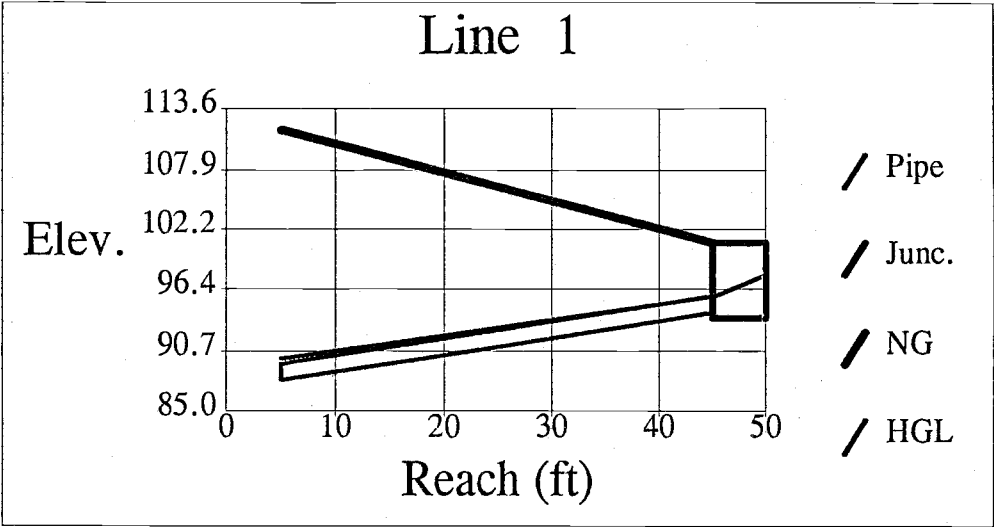
Line 3 Q = 19.53 Size = 18 x 18 (Cir) Nv = 0.013 Len = 33.0 JLC = 0.00

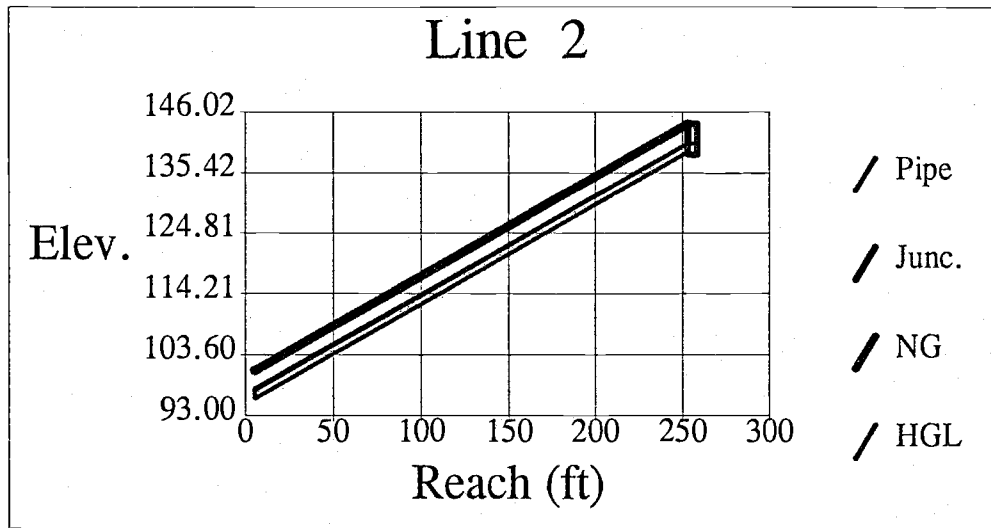
s-45 to s-46 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	139.10 ✓	14	140.23	143.14	1.43	13.69	1.29	3.42
Upstrm	140.50 ✓	14	141.63	144.54	1.43	13.69	1.29	2.02

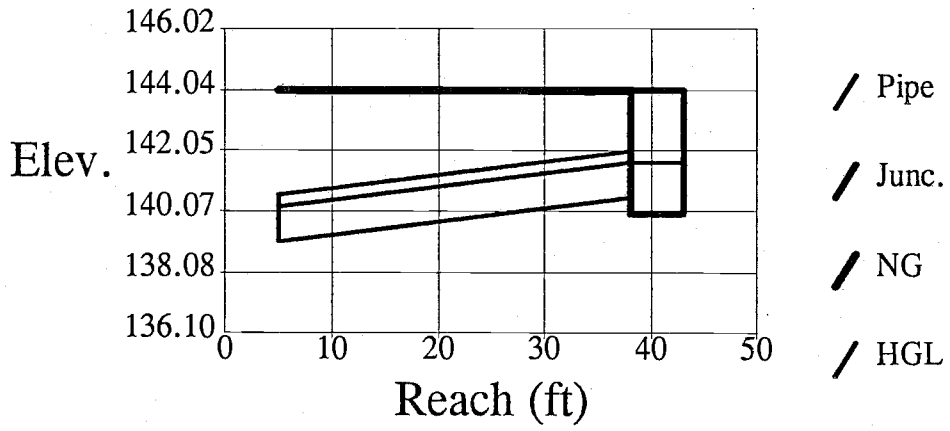
Drainage area (ac)	=	11.99	Slope of invert (%)	=	4.242 ✓
Runoff coefficient (C)	=	0.26	Slope energy grade line (%)	=	4.242
Time of conc. (min)	=	16.10	Critical depth (in)	=	18
Inlet Time (min)	=	16.10	Natural ground elev. (ft)	=	144.02 ✓
Intensity @ 10 yr (in/hr)	=	6.26	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	3.12	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	19.53	Full-flow capacity (cfs)	=	21.63

Q Catchment (cfs)	=	19.53	Gutter slope (ft/ft)	=	0.03
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	4.29	Width of Flow (ft)	=	16.22
Q Bypassed to 1 (cfs)	=	15.24			



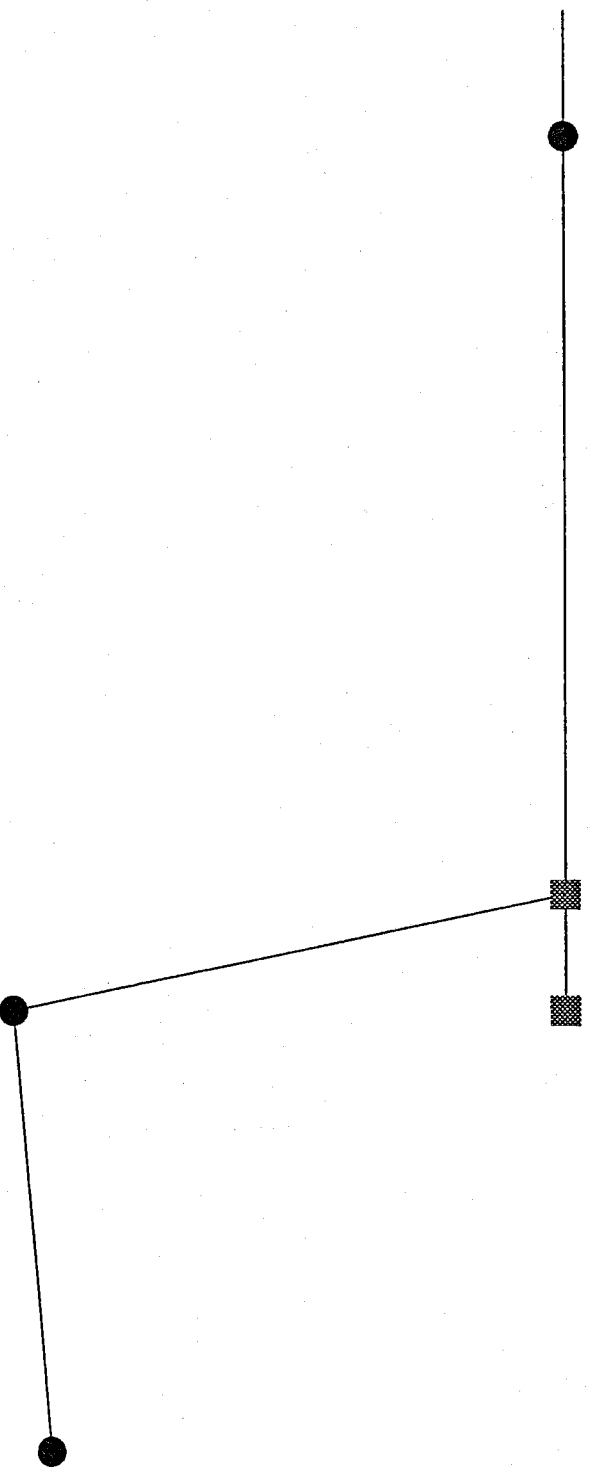


Line 3



Storm Sewer Design & Analysis

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Proj. file: PINES_G.STM

IDF file: FDOTZ7.IDF

No. Lines: 5

06-19-2000

Line 1 Q = 25.43 Size = 24 x 24 (Cir) Nv = 0.013 Len = 35.0 JLC = 1.00

s-47 to 2-48 / Outfall

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	88.00	13	89.05	92.61	1.68	15.14	2.00	12.10
Upstrm	89.50	13	90.55	94.11	1.68	15.14	2.00	8.35

Drainage area (ac)	=	0.00	Slope of invert (%)	=	4.286
Runoff coefficient (C)	=	0.00	Slope energy grade line (%)	=	4.286
Time of conc. (min)	=	22.11	Critical depth (in)	=	22
Inlet Time (min)	=	0.00	Natural ground elev. (ft)	=	99.85
Intensity @ 10 yr (in/hr)	=	5.53	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	4.60	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	25.43	Full-flow capacity (cfs)	=	46.82

Q Catchment (cfs)	=	0.00	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.00
Q Captured (cfs)	=	0.00	Width of Flow (ft)	=	0.00
Q Bypassed to 0 (cfs)	=	0.00			

Line 2 Q = 25.64 Size = 24 x 24 (Cir) Nv = 0.013 Len = 214.0 JLC = 0.00

s-48 to s-49 / Downstream line = 1

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	90.10	24	94.11	95.15	3.14	8.16	0.00	7.75
Upstrm	118.00	22	119.80	120.95	2.98	8.60	1.20	6.41

Drainage area (ac)	=	0.63	Slope of invert (%)	=	13.037
Runoff coefficient (C)	=	0.66	Slope energy grade line (%)	=	12.057
Time of conc. (min)	=	21.69	Critical depth (in)	=	22
Inlet Time (min)	=	10.00	Natural ground elev. (ft)	=	126.41
Intensity @ 10 yr (in/hr)	=	5.58	Upstream surcharge (ft)	=	0.00
Cumulative C x A	=	4.60	Additional Q (cfs)	=	0.00
Q = CA x I (cfs)	=	25.64	Full-flow capacity (cfs)	=	81.67

Q Catchment (cfs)	=	3.01	Gutter slope (ft/ft)	=	0.00
Q Carryover (cfs)	=	0.00	Cross slope (ft/ft)	=	0.02
Q Captured (cfs)	=	3.01	Width of Flow (ft)	=	7.74
Q Bypassed to 0 (cfs)	=	0.00			

Line 3 Q = 2.87 Size = 15 x 15 (Cir) Nv = 0.013 Len = 33.0 JLC = 0.00

s-49 to s-50 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	118.85	11	119.80	119.93	1.00	2.86	1.09	6.31
Upstrm	120.41	8	121.09	121.36	0.68	4.22	1.25	4.75

Drainage area (ac)	= 0.60	Slope of invert (%)	= 4.727
Runoff coefficient (C)	= 0.66	Slope energy grade line (%)	= 4.351
Time of conc. (min)	= 10.00	Critical depth (in)	= 8
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 126.41
Intensity @ 10 yr (in/hr)	= 7.24	Upstream surcharge (ft)	= 0.00
Cumulative C x A	= 0.40	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 2.87	Full-flow capacity (cfs)	= 14.04

Q Catchment (cfs)	= 2.87		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 2.87	Cross slope (ft/ft)	= 0.02
Q Bypassed to 0 (cfs)	= 0.00	Width of Flow (ft)	= 7.49

Line 4 Q = 21.20 Size = 18 x 18 (Cir) Nv = 0.013 Len = 155.0 JLC = 0.00

s-49 to s-55 / Downstream line = 2

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	118.00	18	119.80	122.04	1.77	12.00	0.00	6.91
Upstrm	124.00	18	126.12	128.35	1.77	12.00	0.00	5.00

Drainage area (ac)	= 0.00	Slope of invert (%)	= 3.871
Runoff coefficient (C)	= 0.00	Slope energy grade line (%)	= 4.076
Time of conc. (min)	= 21.47	Critical depth (in)	= 18
Inlet Time (min)	= 10.00	Natural ground elev. (ft)	= 130.50
Intensity @ 10 yr (in/hr)	= 5.60	Upstream surcharge (ft)	= 0.62
Cumulative C x A	= 3.78	Additional Q (cfs)	= 0.00
Q = CA x I (cfs)	= 21.20	Full-flow capacity (cfs)	= 20.66

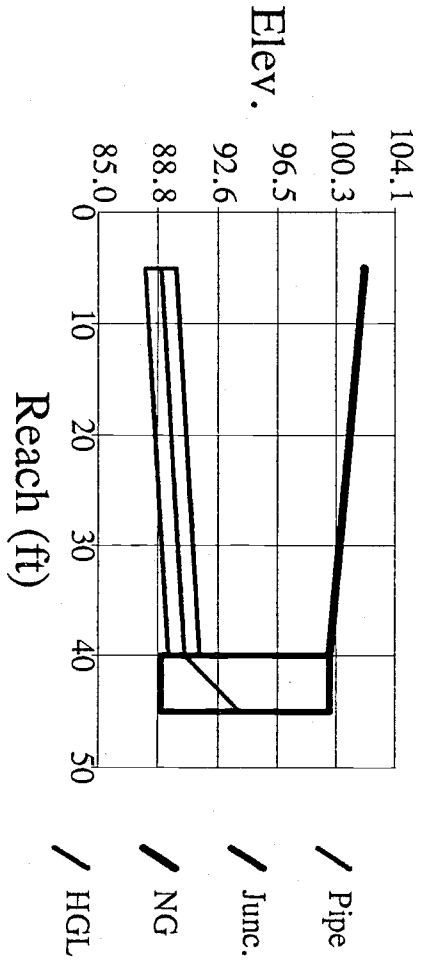
Q Catchment (cfs)	= 0.00		
Q Carryover (cfs)	= 0.00	Gutter slope (ft/ft)	= 0.00
Q Captured (cfs)	= 0.00	Cross slope (ft/ft)	= 0.00
Q Bypassed to 2 (cfs)	= 0.00	Width of Flow (ft)	= 0.00

Line 5 Q = 21.27 Size = 18 x 18 (Cir) Nv = 0.013 Len = 125.0 JLC = 0.00

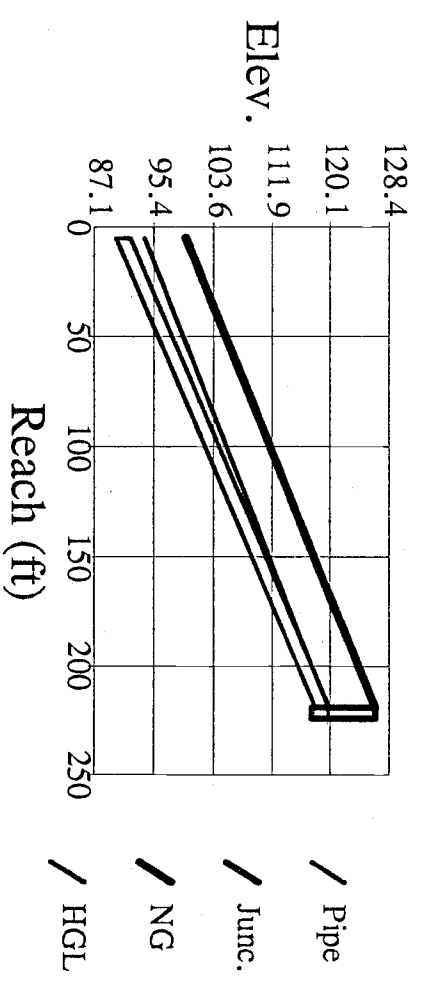
s-55 to s-56 / Downstream line = 4

	Invert	Depth	HGL	EGL	Area	Vel	T-Wid	Cover
Dnstrm	124.30	18	126.12	128.37	1.77	12.04	0.00	4.70
Upstrm	141.00	18	142.49	144.74	1.76	12.05	0.29	1.50
Drainage area (ac)		=	18.92	Slope of invert (%)		=	13.360	
Runoff coefficient (C)		=	0.20	Slope energy grade line (%)		=	13.098	
Time of conc. (min)		=	21.30	Critical depth (in)		=	18	
Inlet Time (min)		=	21.30	Natural ground elev. (ft)		=	144.00	
Intensity @ 10 yr (in/hr)		=	5.62	Upstream surcharge (ft)		=	0.00	
Cumulative C x A		=	3.78	Additional Q (cfs)		=	0.00	
Q = CA x I (cfs)		=	21.27	Full-flow capacity (cfs)		=	38.38	
Q Catchment (cfs)		=	21.27	Gutter slope (ft/ft)		=	0.00	
Q Carryover (cfs)		=	0.00	Cross slope (ft/ft)		=	0.02	
Q Captured (cfs)		=	21.27	Width of Flow (ft)		=	22.67	
Q Bypassed to 3 (cfs)		=	0.00					

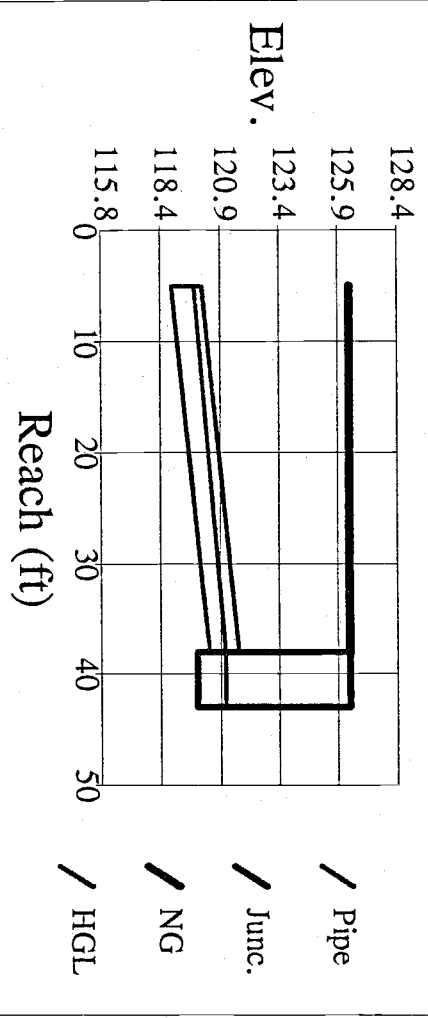
Line 1



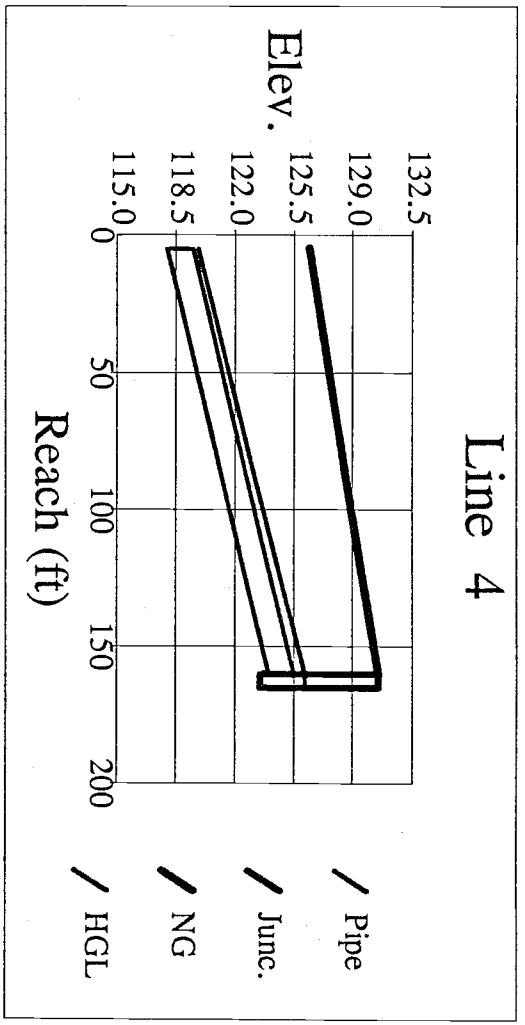
Line 2

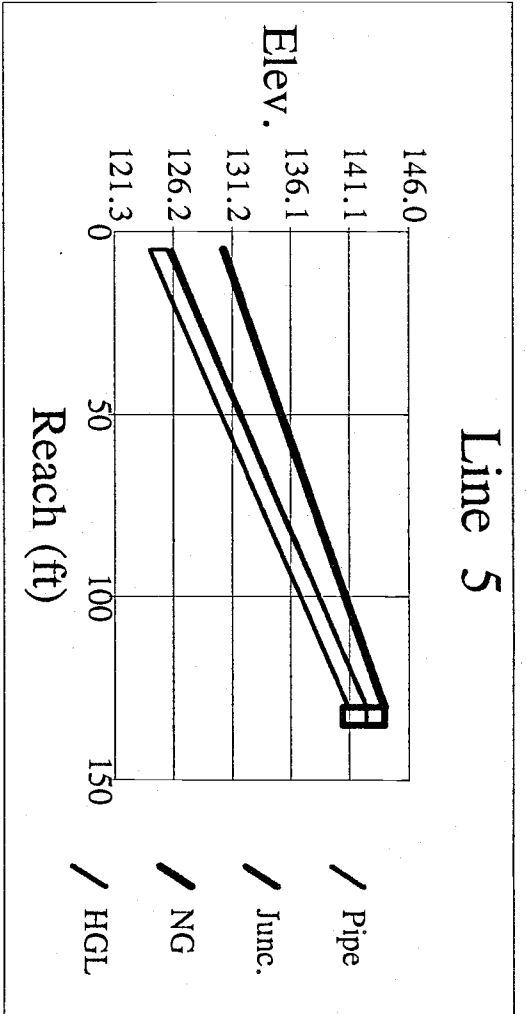


Line 3



Line 4





APPENDIX

AREA AND RATIONAL METHOD "C"
 GREATER PINES 8-10
 CPH JOB No. G6765.08C DATE : 02\14\00
 POSTDEVELOPED CONDITION

BASIN No.	TOTAL AREA (AC)	AREA DCIA (AC)	AREA NDCIA (AC)	AREA IMPERVIOUS (AC)	AREA PERVIOUS (AC)	WEIGHTED "C" VALUE
8-1	1.78	0.16	0.20	0.37	1.41	0.34
8-2	1.80	0.16	0.20	0.37	1.43	0.34
8-3	2.27	0.19	0.23	0.43	1.84	0.33
8-4	7.73	2.53	0.62	3.15	4.58	0.49
8-5	12.10	2.25	0.93	3.18	8.92	0.38
9-1	23.50	3.97	2.16	6.13	17.37	0.38
10-1	18.15	1.44	0.71	2.15	16.00	0.28
Lake	10.05	10.05	0.00	10.05	0.00	0.90
Off-1 Post	16.21	0.00	0.00	0.00	16.21	0.20
Off-2 Post	22.56	0.00	0.00	0.00	22.56	0.20
Off-3 Post	8.50	0.00	0.00	0.00	8.50	0.20
Off-4 Post	28.38	0.00	0.00	0.00	28.38	0.20
Off-5 Post	3.77	0.00	0.00	0.00	3.77	0.20
Off-6 Post	40.71	0.00	0.00	0.00	40.71	0.20
Off-7 Post	6.74	0.00	0.00	0.00	6.74	0.20
Off-8 Post	68.38	0.00	0.00	0.00	68.38	0.20
Pond 5	2.15	0.00	0.00	0.00	2.15	0.20
Pond 6	10.64	0.00	0.00	0.00	10.64	0.20
	285.42	20.76	5.05	25.81	259.61	

NOTES:

1. DCIA = DIRECTLY CONNECTED IMPERVIOUS AREA, i.e. IMPERVIOUS AREA DIRECTLY CONNECTED TO THE STORM DRAINAGE SYSTEM WITHOUT FLOW OVER ANY PERVIOUS AREA.
2. NDCIA = IMPERVIOUS AREA NOT DIRECTLY CONNECTED TO THE STORM SYSTEM, BUT WHICH DISCHARGES OVER A PERVIOUS AREA PRIOR TO ENTRY INTO THE STORM DRAINAGE SYSTEM.
3. IMPERVIOUS AREAS HAVE A "C" VALUE OF 0.9 & PERVIOUS AREAS ARE GIVEN A "C" VALUE OF 0.2.

Table 2-2a.—Runoff curve numbers for urban areas¹

Cover description	Average percent impervious area ²	Curve numbers for hydrologic soil group—			
		A	B	C	D
<i>Fully developed urban areas (vegetation established)</i>					
Open space (lawns, parks, golf courses, cemeteries, etc.) ³ :					
Poor condition (grass cover < 50%)		68	79	86	89
Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover > 75%)		39	61	74	80
Impervious areas:					
Paved parking lots, roofs, driveways, etc. (excluding right-of-way)		98	98	98	98
Streets and roads:					
Paved; curbs and storm sewers (excluding right-of-way)		98	98	98	98
Paved; open ditches (including right-of-way)		83	89	92	93
Gravel (including right-of-way)		76	85	89	91
Dirt (including right-of-way)		72	82	87	89
Western desert urban areas:					
Natural desert landscaping (pervious areas only) ⁴ ...		63	77	85	88
Artificial desert landscaping (impervious weed barrier, desert shrub with 1- to 2-inch sand or gravel mulch and basin borders)		96	96	96	96
Urban districts:					
Commercial and business	85	89	92	94	95
Industrial	72	81	88	91	93
Residential districts by average lot size:					
1/8 acre or less (town houses)	65	77	85	90	92
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
2 acres	12	46	65	77	82
<i>Developing urban areas</i>					
Newly graded areas (pervious areas only, no vegetation) ⁵		77	86	91	94
Idle lands (CN's are determined using cover types similar to those in table 2-2c).					

¹Average runoff condition, and $I_n = 0.2S$.

²The average percent impervious area shown was used to develop the composite CN's. Other assumptions are as follows: impervious areas are directly connected to the drainage system, impervious areas have a CN of 98, and pervious areas are considered equivalent to open space in good hydrologic condition. CN's for other combinations of conditions may be computed using figure 2-3 or 2-4.

³CN's shown are equivalent to those of pasture. Composite CN's may be computed for other combinations of open space cover type.

⁴Composite CN's for natural desert landscaping should be computed using figures 2-3 or 2-4 based on the impervious area percentage (CN = 98) and the pervious area CN. The pervious area CN's are assumed equivalent to desert shrub in poor hydrologic condition.

⁵Composite CN's to use for the design of temporary measures during grading and construction should be computed using figure 2-3 or 2-4, based on the degree of development (impervious area percentage) and the CN's for the newly graded pervious areas.

Sheet flow

Sheet flow is flow over plane surfaces. It usually occurs in the headwater of streams. With sheet flow, the friction value (Manning's n) is an effective roughness coefficient that includes the effect of raindrop impact; drag over the plane surface; obstacles such as litter, crop ridges, and rocks; and erosion and transportation of sediment. These n values are for very shallow flow depths of about 0.1 foot or so. Table 3-1 gives Manning's n values for sheet flow for various surface conditions.

For sheet flow of less than 300 feet, use Manning's kinematic solution (Overton and Meadows 1976) to compute T_t :

$$T_t = \frac{0.007 (nL)^{0.8}}{(P_2)^{0.5} s^{0.4}} \quad [\text{Eq. 3-3}]$$

Table 3-1.—Roughness coefficients (Manning's n) for sheet flow

Surface description	n^1
Smooth surfaces (concrete, asphalt, gravel, or bare soil)	0.011
Fallow (no residue)	0.05
Cultivated soils:	
Residue cover $\leq 20\%$	0.06
Residue cover $> 20\%$	0.17
Grass:	
Short grass prairie	0.15
Dense grasses ²	0.24
Bermudagrass	0.41
Range (natural)	0.13
Woods: ³	
Light underbrush	0.40
Dense underbrush	0.80

¹The n values are a composite of information compiled by Engman (1986).

²Includes species such as weeping lovegrass, bluegrass, buffalo grass, blue grama grass, and native grass mixtures.

³When selecting n , consider cover to a height of about 0.1 ft. This is the only part of the plant cover that will obstruct sheet flow.

where

- T_t = travel time (hr),
- n = Manning's roughness coefficient (table 3-1),
- L = flow length (ft),
- P_2 = 2-year, 24-hour rainfall (in), and
- s = slope of hydraulic grade line (land slope, ft/ft).

This simplified form of the Manning's kinematic solution is based on the following: (1) shallow steady uniform flow, (2) constant intensity of rainfall excess (that part of a rain available for runoff), (3) rainfall duration of 24 hours, and (4) minor effect of infiltration on travel time. Rainfall depth can be obtained from appendix B.

Shallow concentrated flow

After a maximum of 300 feet, sheet flow usually becomes shallow concentrated flow. The average velocity for this flow can be determined from figure 3-1, in which average velocity is a function of watercourse slope and type of channel. For slopes less than 0.005 ft/ft, use equations given in appendix F for figure 3-1. Tillage can affect the direction of shallow concentrated flow. Flow may not always be directly down the watershed slope if tillage runs across the slope.

After determining average velocity in figure 3-1, use equation 3-1 to estimate travel time for the shallow concentrated flow segment.

Open channels

Open channels are assumed to begin where surveyed cross section information has been obtained, where channels are visible on aerial photographs, or where blue lines (indicating streams) appear on United States Geological Survey (USGS) quadrangle sheets. Manning's equation or water surface profile information can be used to estimate average flow velocity. Average flow velocity is usually determined for bank-full elevation.

LAKE COUNTY
MAP SYMBOLS
(CONVERSION LEGEND)

The first capital letter is the initial one of the map unit name. The second capital letter, A, B, C, D, E or F shows the class of slope. Symbols without a slope letter identify nearly level soils.

SCS Map Symbol	U.S. Forest Service or Additional SCS Symbol	Conversion Symbol	Map Unit Name
Fm	Ma	2	Arents
Fm	Ma	3	Arents-Urban land complex
Ac	--	4	Anclote fine sand, depressional
Am	--	5	Anclote, Myakka and Felda soils, depressional
Sw	--	6	Anclote, Delray and Hontoon soils
ApF	WcA	7	Apopka sand, 0 to 5 percent slopes
ApB	--	8	Apopka-Urban land complex, 0 to 5 percent slopes
ApD	WcC	9	Apopka sand, 5 to 12 percent slopes
AsB	AsB	10	Astatula sand, 0 to 5 percent slopes
Br	--	11	Brighton muck, depressional
Im	Me, Ib	12	Bluff and Manatee soils, frequently flooded
AtB	AuB, AtB	13	Candler sand, 0 to 5 percent slopes
AtB	--	14	Candler-Urban land complex, 0 to 5 percent slopes
AtD	AtD, AsD	15	Candler sand, 5 to 12 percent slopes
AtD	--	16	Candler-Urban land complex, 5 to 12 percent slopes
AtF	--	17	Candler sand, 12 to 25 percent slopes

SCS Map Symbol	U.S. Forest Service or Additional SCS Symbol	Conversion Symbol	Map Unit Name
Oe	--	37	Ocoee mucky peat, frequently flooded
Oh	--	38	Oklawaha muck, frequently flooded
On	Sa	39	Ona fine sand
Or	Or	40	Orlando fine sand, 0 to 5 percent slopes
Te	PmA	41	Orsino sand
PaB	PIB	42	Paola sand, 0 to 5 percent slopes
PaB	--	43	Paola-Urban land complex, 0 to 5 percent slopes
PaD	PID	44	Paola sand, 5 to 12 percent slopes
--	--	45	Pits Water Complex
Pe	Ss	46	Placid sand, depressional
PmA	Ms	47	Placid and Myakka sands, depressional
Pn	Po	48	Pomello sand, 0 to 5 percent slopes
Pn	--	49	Pomello-Urban land complex 0 to 5 percent slopes
Po	Ba	50	Pompano sand
S. M.	--	51	Pompano, Felda and Oklawaha soils, depressional
Sc	Sc	52	St. Lucie sand, 0 to 5 percent slopes
Sc	--	53	St. Lucie-urban land complex, 0 to 5 percent slopes
Pg	Os	54	Seffner sand
AbB	--	55	Sparr sand, 0 to 5 percent slopes

SCS Map Symbol	U.S. Forest Service or Additional SCS Symbol	Conversion Symbol	Map Unit Name
Ca	--	18	Cassia sand
Pd	---	19	Ellzey sand
Em	---	20	Emeralda fine sand, frequently flooded
Eu	Ra	21	Eureka loamy fine sand
Md	Ev	22	Everglades muck, frequently flooded
Fd	--	23	Felda fine sand
Fe	---	24	Fellowship fine sandy loam, depressional
Is	Im	25	Immokalee sand
LuB	Va	26	Kendrick sand, 0 to 5 percent slopes
LuC	Va	27	Kendrick sand, 5 to 8 percent slopes
LaB	--	28	Lake sand, 0 to 5 percent slopes
LaB	---	29	Lake-Urban land complex, 0 to 5 percent slopes
LaD	--	30	Lake sand, 5 to 12 percent slopes
LaF	---	31	Lake sand, 12 to 22 percent slopes
Oc	---	32	Lochloosa sand, 0 to 5 percent slopes
Ma	---	33	Manatee fine sand, depressional
Ib	---	34	Martel sandy clay loam, depressional
Mk	Mk	35	Myakka sand
MpC	--	36	Myakka and Placid sands, 0 to 8 percent slopes

TABLE K.--SOIL AND WATER FEATURES

("Flooding" and "water table" and terms such as "rare," "brief," "apparent," and "perched" are explained in the text. The symbol < means less than; > means more than. Absence of an entry indicates that the feature is not a concern or that data were not estimated)

Soil name and map symbol	Hydro-logic group	Flooding			High water table			Subsidence		Risk of corrosion	
		Frequency	Duration	Months	Depth	Kind	Months	Initial	Total	Uncoated steel	Concrete
					<u>Ft</u>			<u>In</u>	<u>In</u>		
2*----- Arents	---	---	---	---	---	---	---	---	---	---	---
3*: Arents-----	---	---	---	---	---	---	---	---	---	---	---
Urban land----	---	---	---	---	---	---	---	---	---	---	---
4----- Anclote	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	Moderate.
5*: Anclote-----	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	Moderate.
Myakka-----	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	High.
Felda-----	D	None-----	---	---	+2-1.0	Apparent	Jun-Dec	---	---	High-----	High.
6*: Anclote-----	D	Frequent---	Long---	Jun-Nov	0-0.5	Apparent	Jun-Oct	---	---	High-----	Moderate.
Delray-----	B/D	Frequent---	Very long.	Jun-Mar	0-0.5	Apparent	Jun-Oct	---	---	Moderate	Low.
Hontoon-----	B/D	None-----	---	---	+2-0	Apparent	Jun-Apr	16-24	>52	High-----	High.
7----- Apopka	A	None-----	---	---	>6.0	---	---	---	---	Moderate	High.
8*: Apopka-----	A	None-----	---	---	>6.0	---	---	---	---	Moderate	High.
Urban land----	---	---	---	---	---	---	---	---	---	---	---
9----- Apopka	A	None-----	---	---	>6.0	---	---	---	---	Moderate	High.
10----- Astatula	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.
11*: Brighton-----	B/D	None-----	---	---	+1-1.0	Apparent	Jan-Dec	16-20	50-60	High-----	High.
Brighton-----	B/D	None-----	---	---	+1-1.0	Apparent	Jan-Dec	16-20	50-60	High-----	High.
12*: Bluff-----	D	Frequent---	Brief to long.	Jun-Nov	0-0.5	Apparent	Jul-Dec	---	---	Moderate	Low.
Manatee-----	D	Frequent---	Very long.	Jun-Feb	0-0.5	Apparent	Jun-Oct	---	---	Moderate	Low.
13----- Candler	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.

See footnote at end of table.

TABLE K.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydro-logic group	Flooding			High water table			Subsidence		Risk of corrosion	
		Frequency	Duration	Months	Depth Ft	Kind	Months	Initial In	Total In	Uncoated steel	Concrete
14*: Candler	A	None			>6.0					Low	High.
Urban land											
15: Candler	A	None			>6.0					Low	High.
16*: Candler	A	None			>6.0					Low	High.
Urban land											
17: Candler	A	None			>6.0					Low	High.
18: Cassia	C	None			1.5-3.5	Apparent	Jul-Jan			Moderate	High.
19: Ellzey	B/D	None			0.5-1.5	Apparent	Jun-Sep			High	High.
20: Emeralda	D	Frequent	Long	Jun-Feb	0-0.5	Apparent	Jun-Oct			High	Low.
21: Eureka	D	None			0-1.0	Apparent	Jun-Oct			High	High.
22*: Everglades	B/D	Frequent	Very long.	Jun-Jan	0-0.5	Apparent	Jan-Dec	4-10	>76	Moderate	Moderate.
Everglades	B/D	Frequent	Very long.	Jun-Jan	0-0.5	Apparent	Jan-Dec	4-10	>76	Moderate	Moderate.
23: Felda	B/D	None			0-1.0	Apparent	Jul-Mar			High	Moderate.
24: Fellowship	D	None			+2-0	Perched	Jun-Mar			High	High.
25: Immokalee	B/D	None			0.5-1.5	Apparent	Jun-Sep			High	High.
26, 27: Kendrick	A	None			>6.0					Moderate	High.
28: Lake	A	None			>6.0					Low	High.
29*: Lake	A	None			>6.0					Low	High.
Urban land											
30, 31: Lake	A	None			>6.0					Low	High.
32: Lochloosa	C	None			2.5-5.0	Apparent	Jul-Oct			High	High.

See footnote at end of table.

TABLE K.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydro-logic group	Flooding			High water table			Subsidence		Risk of corrosion	
		Frequency	Duration	Months	Depth Ft	Kind	Months	Initial In	Total In	Uncoated steel	Concrete
33----- Manatee	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	Low.
34----- Martel	D	None-----	---	---	+1-0	Apparent	May-Nov	---	---	Moderate	High.
35----- Myakka	B/D	None-----	---	---	0.5-1.5	Apparent	Jun-Sep	---	---	High-----	High.
36*: Myakka-----	B/D	None-----	---	---	0.5-1.5	Apparent	Jun-Sep	---	---	High-----	High.
Placid-----	B/D	None-----	---	---	0-1.0	Apparent	Jun-Mar	---	---	High-----	High.
Myakka-----	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	High.
37*: Ocoee-----	B/D	Frequent---	Long---	Jan-Jun	0-0.5	Apparent	Jun-Apr	5-10	33-37	High-----	High.
Ocoee-----	B/D	Frequent---	Long---	Jan-Jun	0-0.5	Apparent	Jun-Apr	5-10	33-37	High-----	High.
38*: Oklawaha-----	B/D	Frequent---	Long---	Jan-Jun	0-0.5	Apparent	Jun-Apr	16-20	20-35	High-----	Low.
Oklawaha-----	B/D	Frequent---	Long---	Jan-Jun	0-0.5	Apparent	Jun-Apr	16-20	20-35	High-----	Low.
39----- Ona	B/D	None-----	---	---	0.5-1.5	Apparent	Jun-Sep	---	---	High-----	High.
40----- Orlando	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.
41----- Orsino	A	None-----	---	---	3.5-5.0	Apparent	Jun-Dec	---	---	Low-----	Moderate.
42----- Paola	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.
43*: Paola-----	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.
Urban land-----	---	---	---	---	---	---	---	---	---	---	---
44----- Paola	A	None-----	---	---	>6.0	---	---	---	---	Low-----	High.
45*: Pits-----	---	---	---	---	---	---	---	---	---	---	---
Water.	---	---	---	---	---	---	---	---	---	---	---
46----- Placid	D	None-----	---	---	+2-1.0	Apparent	Jun-Mar	---	---	High-----	High.
47*: Placid-----	D	None-----	---	---	+2-1.0	Apparent	Jun-Mar	---	---	High-----	High.
Myakka-----	D	None-----	---	---	+2-0	Apparent	Jun-Mar	---	---	High-----	High.
Myakka-----	B/D	None-----	---	---	0.5-1.5	Apparent	Jun-Sep	---	---	High-----	High.

See footnote at end of table.

**Report of Subsurface Exploration and
Geotechnical Engineering Evaluation
Greater Pines Subdivision
Phases 8, 9 and 10
Lake County, Florida**

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Geotechnical, Environmental Geotechnics & Materials Engineering

January 31, 2000
Project No. W99-G-418

Mr. Chick Gregg, P.E.
The Greater Construction Corporation
1105 Kensington Park Drive
Altamonte Springs, Florida 32714

**RE: Report of Subsurface Exploration and
Geotechnical Engineering Evaluation
Greater Pines Subdivision, Phases 8, 9 and 10
Lake County, Florida**

Dear Mr. Gregg:

Nodarse & Associates, Inc. (N&A) is pleased to present this report of our subsurface exploration and geotechnical engineering evaluation for the above-referenced project. This exploration was performed in general accordance with our proposal dated November 17, 1999. The purposes of this study were to explore subsurface conditions at the site and to use the data obtained to develop engineering recommendations to guide site preparation and design of roadways, septic systems and stormwater retention facilities. This report describes our exploration procedures, exhibits the data obtained and presents our conclusions and recommendations regarding the geotechnical engineering aspects of site development.

SITE AND PROJECT DESCRIPTION

The project is located in Sections 28 and 33, Township 22 South, Range 26 East in Lake County, Florida. More specifically, the site is located north and east of Lost Lake and adjacent to Phase 6 of the Greater Pines Subdivision. It is N&A's understanding that roadways, retention ponds and septic systems are proposed at the above-referenced site. This proposal is based on your memorandum dated November 11, 1999.

Based on the United States Geological Survey (USGS) quadrangle map and the site plan you provided, ground surface elevations at the site range from about +85 to almost +200 feet. The lower ground surface elevations are near Lost Lake and several high ridges are present, primarily in the north portion of the site. Consequently, based on this review and your memorandum dated November 11, 1999, we anticipate that fairly significant cutting

BUILD ON OUR EXPERIENCE

and filling will occur at the site. Your memorandum indicates that most of the cutting will occur in the north portion of the site. The quadrangle map indicates that the area surrounding Lost Lake was primarily used as citrus groves in the past.

We also reviewed the USDA Soil Conservation Service (SCS) Lake County soil survey. This survey indicates that the majority of the soils are upland soils with relatively deep groundwater levels except for those adjacent to Lost Lake. These soils are still considered sandy soils with groundwater levels within 1 foot of the existing ground surface.

AREA GEOLOGY

The geology of the Central Florida area is characterized by sedimentary strata formed during three distinct geologic periods. The surficial stratum is composed of undifferentiated Holocene/ Pleistocene/Pliocene age sands, containing varying amounts of silt and clay, which extend typically to depths on the order of 40 to 60 feet below ground surface. This upper, mostly sandy zone contains the surficial (water table) aquifer. A Miocene age deposit, the Hawthorne Formation, frequently underlies the surficial sand and is typically composed of clay, clayey sands and sandy limestone containing appreciable amounts of phosphate. This relatively impermeable stratum extends to typical depths of 125 to 150 feet beneath ground surface and serves as the confining layer for the underlying Floridan aquifer. The Floridan aquifer, composed of Eocene age Ocala, Avon Park and Lake City Limestones, is one of the most productive aquifers in the world. The extremely high productivity of this aquifer is directly related to its ubiquitous cavities and interconnected channels, some being more than 100 feet in height. These cavities were formed by dissolution of the limestone caused by the movement of slightly acidic water through the rock.

The geology of the area, as described above, is conducive to the development of sinkholes. The solution features within the limestone can collapse or can allow the downward movement of overlying soils, known as ravelling, to produce depressions at the surface which are typically circular in shape (sinkholes). Sinkholes can occur nearly anywhere in Central Florida, but are more likely to occur in areas characterized by thin confining beds, large differences between the water table elevation and the Floridan aquifer potentiometric level and the presence of limestone in relatively close proximity to the ground surface. However, the probability of a sinkhole occurring within a relatively small site, even in an area regarded as a "high risk area" with regard to sinkhole activity, is very low. A comprehensive sinkhole risk evaluation for the site was not within the scope of this study. However, N&A could provide these services if you so desire.

SUBSURFACE EXPLORATION

The subsurface exploration for this study consisted of performing twenty-six (26) auger borings ranging in depth from 7 to 25 feet within the proposed roadway, fourteen (14) auger borings ranging in depth from 10 to 25 feet within the proposed residential lots and seven (7) auger borings to a depth of 15 feet within the proposed stormwater retention areas. Three (3) relatively undisturbed soil samples were obtained from the stormwater retention areas for laboratory permeability testing. The borings were located in the field by referencing prominent site features, estimating right angles and taping from these features. The approximate boring locations can be found on **Figure 1** in the **Appendix**.

The machine auger borings were performed by hydraulically turning a 4 inch diameter continuous flight auger into the ground in 5 foot increments. Additional flights were added until the desired termination depth was achieved. The auger was then extracted without further rotation and representative soil samples were retrieved from the auger. Samples were visually classified in the field and were then packaged and returned to our soils laboratory for further classification and testing.

The hand auger boring procedure consisted of manually turning a 3 inch diameter, 6 inch long sampler into the soil until it was full. The sampler was then retrieved and the soils in the sampler were visually examined and classified. The procedure was repeated until the desired termination depth was achieved or shallow groundwater levels caused collapse of the borehole. Samples of representative strata were obtained for further visual examination and classification in our laboratory.

LABORATORY TESTING

Wash Sieve No. 200 grain size analyses were performed on selected soil samples obtained during the subsurface exploration to assist in visual classification of the soil. Permeability testing was performed on relatively undisturbed soil samples obtained from the borings performed within the proposed stormwater retention areas. The results of the laboratory testing are shown adjacent to the boring soil profiles on **Figures 2 through 4** in the **Appendix** at the appropriate depths from which the soil samples were taken.

GENERAL SUBSURFACE CONDITIONS

Subsurface conditions encountered in the borings are shown on **Figures 2 through 4** in the **Appendix**. Descriptions of the soils encountered in the borings are accompanied by the Unified Soil Classification symbol (SP, SC, etc.) based on visual examination. Stratification boundaries between soil types should be considered approximate as the actual transition between soil types may be gradual.



Roadways: In general, the borings performed within the proposed roadway locations encountered the following generalized soil profile: Orangish-brown fine sand (SP) (Stratum 1) with intermittent layers of orangish-brown slightly silty fine sand (SP-SM) (Stratum 2) from the existing ground surface to the boring termination depths ranging from 7 to 25 feet below the existing ground surface.

Notable exceptions to this profile were found at Borings AB-9, AB-11, AB-33 and AB-35. These borings encountered a layer of orangish-brown slightly clayey fine sand (SP-SC) (Stratum 3). For the approximate elevation of Stratum 3, please reference the **Boring Soil Profile Sheet (Figures 2 and 3)** in the **Appendix**.

Lots and Stormwater Ponds: The auger borings performed within the pond locations and the residential lots encountered orangish-brown fine sand and slightly silty fine sand (SP) (SP-SM) (Strata 1 and 2) from the existing ground surface to the boring termination depths of 10 to 25 feet. Borings AB-30, AB-32 and AB-34 encountered a layer of orangish-brown slightly clayey fine sand (SP-SC) (Stratum 3) at varying depths. Please reference the **Boring Soil Profile Sheet (Figure 2)** in the **Appendix** for the approximate elevation of Stratum 3.

GROUNDWATER

Borings AB-1 through AB-35 and HA-1 through HA-5 did not encounter groundwater during our field exploration. Borings AB-36 through AB-42 encountered groundwater at approximately 79 to 81 feet NGVD. These borings encountered groundwater due to their close proximity to the existing Lost Lake. Based on the USGS quadrangle map, SCS soil survey and borings performed for this study, the seasonal high groundwater level is dependent upon the operating level of Lost Lake. We estimate that the seasonal high groundwater level for this site to be approximately +85 feet NGVD in the vicinity of Lost Lake. Although none of the other borings encountered groundwater, the groundwater level likely rises above +85 feet NGVD in topographically higher areas of the site. However, changes in drainage characteristics due to site development or the installation and operation of irrigation systems may cause significant deviations from this anticipated estimated seasonal high groundwater level.

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the project characteristics previously described, the data obtained in our field exploration and our experience with similar subsurface conditions and construction types. If final roadway alignments or grades are significantly different from those previously described in this report, or if subsurface conditions different from those disclosed by the borings are encountered during



construction, we should be notified immediately so that we might review and modify, if necessary, the following recommendations in light of such changes.

General Roadway Subgrade Preparation: The initial step in routine roadway subgrade preparation should be the complete removal of all topsoil, trees, major root systems and other deleterious materials from beneath and to 5 feet beyond proposed pavement areas. Based on the boring results, stripping thicknesses are not expected to exceed 6 inches at this site. However, in areas of existing trees and major root systems, stripping thickness may be deeper.

After this initial stripping process, the entire site should be inspected by a geotechnical engineer. At that time, the exposed subgrade should be proofrolled using a large vibratory roller (Dynapac CA-25 or equivalent). The vibratory roller should be operated in "static mode" within 100 feet of existing structures. Proofrolling of the pavement areas should consist of at least ten (10) overlapping passes along the roadway alignment and should be observed by a geotechnical engineer. The purposes of the proofrolling will be to detect any areas where unsuitable soils are present as well as to densify the near-surface loose soils for support of shallow foundations. Materials which yield excessively during the proofrolling should be undercut and replaced with well-compacted structural fill. The geotechnical engineer, based on observations at the site, can recommend the nature and extent of any remedial work. Based on our exploration, no major remedial work is anticipated at this site.

Proofrolling of the pavement areas should continue for the required number of passes and until the soil at a depth of 12 inches below the compaction surface has attained a minimum of 95% of the soil's modified Proctor maximum dry density as determined by AASHTO Specification T-180. In-place density tests should be performed by an experienced geotechnical engineering technician working under the direction of a registered geotechnical engineer to verify the required degree of compaction. A test frequency of at least one (1) test per 300 lineal feet of alignment proofrolled is recommended.

Fill Placement: After the exposed subgrade has been proofrolled and accepted by the geotechnical engineer, any fill required to bring the roadway to final grade may be placed and properly compacted. All fill should be inorganic, non-plastic, granular soil (clean sands) (Strata 1 and 2). The fill should be placed in level lifts not to exceed 12 inches loose thickness if the compactor recommended above to proofroll the site is also used to compact the fill. The fill should be compacted to a minimum of 95% of the soil's modified Proctor maximum dry density as determined by AASHTO Specification T-180. In-place density tests should be performed on each lift by an experienced engineering technician working under the direction of a registered geotechnical engineer to verify that the recommended degree of compaction has been achieved. We suggest a minimum testing

frequency of one (1) test per lift per 300 lineal feet of alignment. This fill should extend a minimum of 5 feet beyond pavement areas to prevent possible erosion or undermining of the pavements. Further, fill slopes should not exceed 2 horizontal to 1 vertical. All fill placed in utility line trenches and should also be properly placed and compacted to the specifications stated above. However, in these restricted working areas, compaction should be accomplished with lightweight, hand-guided compaction equipment and lift thicknesses should be limited to a maximum of 4 inches loose thickness.

Pavement Grading Recommendations: Based on the soil and groundwater conditions encountered during our field exploration, it appears that soil conditions are suitable for conventional flexible or semi-flexible pavement construction using the standard Lake County minimum sections following normal site preparation. Either a limerock or soil-cement base may be used if a minimum separation of 18 inches is provided between the bottom of the base and the estimated seasonal high groundwater table. If a lesser separation is provided, a soil-cement base should be used. The owner may wish to consider that shrinkage and cracking of soil-cement is normal, and that it may not provide an as aesthetically pleasing finished product as limerock. If grades provide a separation of less than 12 inches between the bottom of the base and the estimated seasonal high groundwater levels, underdrains will be required. However, due to groundwater levels encountered, it does not appear that underdrains will be required. Subgrade preparation, base and asphaltic concrete construction should be according to Lake County and local municipality standards.

Stormwater Management Facilities: As mentioned previously, the soil conditions encountered in the retention pond areas were generally fine sand (SP) and slightly silty fine sand (SP-SM). Groundwater levels were encountered during our field exploration at elevations between +79 and +81 feet NGVD. The estimated seasonal high groundwater level is approximately +85 feet NGVD. Based on the soil and groundwater conditions encountered during our field exploration, dry retention systems may be feasible depending upon final pond design.

Laboratory permeability testing was performed on relatively undisturbed soil samples obtained during the field exploration. The vertical coefficients of permeability obtained from these tests are as follows: (Note: All pond locations are referenced in regard to Lost Lake).

- 39 feet per day for Boring AB-37 in the location of the northwestern pond area.
- 22 feet per day for Boring AB-39 in the location of the northeastern pond area.
- 39 feet per day for Boring AB-41 in the location of the southeastern pond area.

Experience in similar soil types indicates that the horizontal permeability is typically in the range of 1.5 to 2 times the vertical permeability rate. However, we recommend using a limiting average horizontal permeability rate of 30 feet per day for design of both pond areas. We would be pleased to perform stormwater recovery analyses for the proposed ponds once final pond design is available.

On Site Disposal Systems: In general, the site appears suitable for the use of individual on site disposal systems (septic tank/drainfield). However, the northwest portion of the site may require additional preparation due to a moderately limiting soil layer of orangish-brown slightly clayey fine sand (SP-SC) (Stratum 3) encountered in this area.

Based on the Florida Department of Health guidelines, drainfields located within a moderately limited soil such as Stratum 3 must either be over-excavated or designed with a lower loading rate. In both cases, the seasonal high groundwater levels must be at least 24 inches below the bottom surface of the drainfield.

If these areas are over-excavated, there must be at least 54 inches between the bottom of the proposed bed and the moderately limited layer (Stratum 3). Also the area must be over-excavated 2 feet wider and longer than the proposed bed. If the moderately limited soil (Stratum 3) is replaced with slightly limited soil (Stratum 1), the maximum allowable loading rate is 0.70 gallons per square foot per day.

If over-excavation is not feasible, then the bed must be designed with a slower maximum allowable loading rate. For the moderately limited soil at this site (Stratum 3), the maximum allowable loading rate is 0.35 gallons per square foot per day.

The following minimum distances should also be considered when locating and installing the on site disposal system:

- 75 feet from private potable wells.
- 100 feet from public drinking water well if such well serves a facility with an estimate sewage flow of 2,000 gallons or less per day.
- 200 feet from public drinking water well if such well serves a facility with an estimate sewage flow of more than 2,000 gallons per day.
- 50 feet from non-potable water well.
- 10 feet from any storm sewer pipe.

- 15 feet from design high-water line of retention areas, detention area or swales designed to contain standing or flowing water for less than 72 hours after rainfall or the design high-water level of normally dry drainage ditches or normally dry individual-lot stormwater retention areas.
- 10 feet from potable water lines unless such lines are sealed with a waterproof sealant within a sleeve.
- 75 feet from the near high water line of lakes, streams, canals, normally wet drainage ditches and retention areas designed to contain standing or flowing water for 72 hours or more following a rainfall.

Although on site disposal systems should be feasible at this site, designers should consider final grades in relation to the on site disposal systems. Relatively steep grades may allow for sewage effluent to seep onto adjacent lots and roadways, especially in areas of heavy cuts. The relatively sandy soils encountered in our borings (Strata 1 and 2) should allow for natural infiltration of the effluent and reduce the amount of seepage or runoff onto adjacent properties. However, severe cuts into or near Stratum 3 (slightly clayey fine sand) could allow for seepage of effluent.

Alternatives to lessen these effects would be to reduce grades in such areas, over size drainfield areas and/or use of cutoff trenches. We would be pleased to provide further assistance, if you so desire.

CLOSURE

The recommendations provided above are based on widely spaced borings. This report does not reflect variations in soil conditions between or away from the boring locations. The nature and extent of the variations between the borings may not become evident until during construction. If such variations are encountered during construction, N&A should be informed and given an opportunity to re-evaluate the recommendations above after performing on-site observations during the construction period and noting the characteristics of the variations.


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N&A appreciates the opportunity to be of service to you on this project. If you should have any questions concerning the contents of this report, or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

NODARSE & ASSOCIATES, INC.


Eric W. Nagowski, E.I.
Project Engineer


Daniel C. Stanfili, P.E.
Vice President
FL Registration No. 42763

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APPENDIX