

**FOX CREEK
DRAINAGE STUDY
FINAL REPORT**

Kimley-Horn and Associates, Inc.

ENGINEERING, PLANNING, AND ENVIRONMENTAL CONSULTANTS

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**FOX CREEK
DRAINAGE STUDY
FINAL REPORT**

Prepared for:

**AMDEN, INC.
and
PALMER VENTURE**

Prepared by:

**KIMLEY-HORN AND ASSOCIATES, INC.
7202 Beneva Road South
Sarasota, Florida 34238**

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1.0 INTRODUCTION

The Fox Creek watershed is located in Sarasota County, Florida and contains approximately 3,200 acres. Although no habitable structure flooding occurred within the Calusa Lakes subdivision during the flood of June 1992, prolonged roadway flooding concerned the developers of Calusa Lakes and Sarasota County to the extent that both parties began an immediate investigation as to the possible cause and solutions. Numerous off-site conditions were initially cited as the cause of high water problems, but investigations revealed that while the off-site conditions were restrictive, they were also historic. As the nature of the problem is extremely complex, a basin-wide approach to the investigation was considered appropriate. A need to assess the existing drainage conditions within the Fox Creek watershed as they relate to providing a more efficient outfall for the Calusa Lakes residential subdivision was of first priority to the interested parties. Of particular concern were historical drainage problem areas within Fox Creek, (east of Calusa Lakes and I-75) and the lateral ditch located north of Calusa Lakes.

Palmer Ranch, owners of presently undeveloped areas located in the upper Fox Creek watershed, also expressed an interest in determining the existing floodplain for Fox Creek to be used as a tool for future planning reference. Coincidentally, this work effort required an assessment of existing drainage conditions within the Fox Creek watershed.

As this report was being finalized, the summer rains of 1994 resulted in the flooding of roads located in the northern portion of the Calusa Lake subdivision for several days. As such, an interest was expressed by both Calusa Lakes and Sarasota County to broaden the evaluation further to consider both the on-site stormwater management system for Calusa Lakes as well as the off-site conditions.

FIGURE 1 provides a general location map of the Fox Creek study area, while EXHIBIT 1 provides an aerial with the Fox Creek watershed delineated.

1.1 PURPOSE

The purpose of this study is threefold:

- (1) Establish existing drainage conditions within the Fox Creek watershed, by determining water surface elevations through detailed computer modeling.
- (2) Evaluate the relative effectiveness of an overflow by-pass canal with respect to reducing existing flood levels within Calusa Lakes. This canal would run from the north lateral ditch to Fox Creek along the west side of I-75.
- (3) Evaluate the internal stormwater management improvements needed to control on-site flood

levels within Calusa Lakes to those represented on the original engineering plans and record drawings.

1.2 AUTHORIZATION

On November 15, 1993, Kimley-Horn and Associates, Inc. was contracted by both Amden, Inc. and the Palmer Ranch to perform existing and alternative conditions analyses for the Fox Creek watershed. Sarasota County agreed to provide a significant portion of the field surveying needs for the analyses as this information would be required for the up-coming Cow Pen Slough Basin Master Plan. The field surveying information was completed in July of 1994 and was augmented by additional field surveying information provided by the Palmer Ranch for the upper Fox Creek watershed in August of 1994. In mid October 1994, Amden, Inc. authorized Kimley-Horn and Associates, Inc. to include the evaluation of the internal stormwater management system for the Calusa Lakes subdivision.

1.3 COORDINATION WITH FEDERAL, STATE AND LOCAL AGENCIES

As Sarasota County is a participant in this study and insofar as Fox Creek is a major subbasin of the Cow Pen Slough watershed which is anticipated to be the subject of a Basin Master Plan within the next year, a copy of this report has been provided to Sarasota County as the current 'best available information' relative to the Fox Creek 100-year floodplain. In addition, since the Palmer Ranch is interested in definitively establishing the floodplain for Fox Creek within their property for future planning purposes, subsequent coordination with Sarasota County, as the local representative, is anticipated in the preparation and filing of a map revision to FEMA.

2.0 INVESTIGATION METHODS

2.1 DATA SOURCES

Construction plans and record drawings prepared by Bishop and Associates, Inc. were provided to Kimley-Horn and Associates, Inc. by Amden, Inc., developers of the Calusa Lakes project. This information was used to define hydrologic and hydraulic characteristics of the Calusa Lakes stormwater management system. Since the existing and proposed topography on the plans either did not exist or did not reproduce well, topography from Southwest Florida Water Management District (SWFWMD) aeriels was also reviewed to assist in defining stage area relationships for on-site wetlands to be incorporated into the on-site stormwater management system. However, sufficient information did not exist on the plans to definitively consider roadway and open space flooding within Calusa Lakes.

DID NOT ASK US!

The hydrologic characteristics for the remainder of the Fox Creek drainage basin were determined from SWFWMD 1-ft. contour aeriels. The hydraulic network from the confluence of Fox Creek with Shackett Creek upstream to I-75 and the lateral ditches which abut the north and south boundaries of the Calusa Lakes project was based upon field survey information obtained by Landry & Esber, Inc. and provided by Sarasota County. Field survey information obtained by Brigham and Associates, Inc. for the segment of Fox Creek between I-75 and the Palmer Ranch was used to define the hydraulics of this area. The hydraulic network within the upper Fox Creek drainage basin (i.e. the Palmer Ranch) is based upon field survey information obtained by Gerken and Associates, Inc. and provided by the Palmer Ranch. Wetland storage on the Palmer Ranch was estimated using SWFWMD 1-ft. contour aeriels. FDOT plans for I-75 were reviewed to obtain or confirm bridge information where I-75 crosses Fox Creek and the lateral ditch located north of Calusa Lakes.

DOT CHECKS

EXHIBIT 2 identifies the subbasins within the Fox Creek watershed and EXHIBIT 3 identifies the SCS soil designations within the Fox Creek watershed.

2.2 COMPUTER MODELING

2.2.1 METHODOLOGY

Computer simulations were performed using the Advanced Interconnected Pond Routing (AdICPR) program. This program utilizes the SCS unit hydrograph method and a hydrodynamic routing routine for the hydrologic and hydraulic components of the analyses, respectively. The AdICPR program is well suited to flatwoods coastal watersheds such as Fox Creek and was used to conduct a detailed assessment of the basin. An overview of the modeling methodology is provided below.

Depression Storage: The effects of depression storage and the relationship of contributing area to time were accounted for by routing hydrograph flows through existing

stormwater lakes and major depressions (wetlands). As such, a unit hydrograph peak rate factor of 256 was used.

Watershed Retention: Rainfall losses were determined by computing a weighted CN for the pervious and non-directly connected impervious areas. The portion of the basin area which is directly connected impervious was specified and is considered independently by the model. The retention storage, S was computed by the following relationship:

$$S = \frac{1000}{CN} - 10 \quad \text{Eq. 1}$$

Initial abstractions, I_a were computed as 20% of the watershed retention storage, S:

$$I_a = 0.2S \quad \text{Eq. 2}$$

Employing Eq. 1 and Eq. 2, rainfall volumes (P) were converted to runoff volumes (R) by the following standard SCS equation:

$$R = \frac{(P - 0.2S)^2}{P + 0.8S} \quad \text{Eq. 3}$$

Time of Concentration: The time of concentration was computed using the Kinematic Wave Formula, consistent with the guidelines prescribed by the SCS in Technical Release No. 55.

Design Storm Event(s): Consistent with the Rules of the Southwest Florida Water Management District, the following design 24-hour duration rainfall volumes were used:

<u>Frequency</u>	<u>Volume</u>
25-year	8.00"
100-year	10.00"

The SCS - TYPE II MODIFIED 24-hour, dimensionless rainfall distribution was used.

Simulations were conducted utilizing both the 25-year and 100-year design storms since the former was used for the design of the Calusa Lakes stormwater management system and the latter is currently adopted by Sarasota County as the design storm.

2.2.2 RESULTS

The computer modeling input/output results are contained in APPENDIX A along with the node (or

junction)/reach (or link) schematic developed for the AdICPR model. The continuous Fox Creek 100-year floodplain within the Palmer Ranch is presented on EXHIBIT 4. Existing conditions water surface elevation profiles for Fox Creek and the study laterals are presented on FIGURES 2.2.2.a, 2.2.2.b, 2.2.2.c and 2.2.2.d.

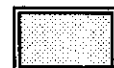
The results of the Fox Creek model indicate that the flood levels within Calusa Lakes will result in the flooding of all roadways with the exception of those serviced by lakes 14, 15, 16, and 24 during the 25-year design storm. As indicated in TABLE 2.2.2.a, the maximum depth of flooding is 1.23 ft. for roads serviced by lakes 20, 21 and 22. As also indicated in TABLE 2.2.2.a, the extent and depth of roadway flooding for the 25-year design storm exceeds the expectations represented on the original engineering plans and record drawings.

Further information with respect to roadway flooding depth and duration during the 25-year and 100-year design storms is summarized in TABLE 2.2.2.b. This table indicates that roads serviced by lakes 2, 3, 4, 6, 8, 9, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, and 25 would be subject to more than 12" of flooding during the 100-year design storm which does not meet the current Sarasota County level of service criteria for such an event. In addition, the Fox Creek model indicates that the duration of flooding is expected to be as much as 28 hours for the 25-year design storm and as much as 35 hours for the 100-year design storm.

CALUSA LAKES - COMPARISON OF 25-YEAR WATER SURFACE ELEVATIONS

LAKE NO.	LOWEST E.P. ELEV. (NGVD)	ORIGINAL DESIGN		FOX CREEK MODEL	
		25-YR ELEV. (NGVD)	DEPTH (FT)	25-YR ELEV. (NGVD)	DEPTH (FT)
1	11.72	Not Available	-	11.98	0.26
2	11.77	11.00	-0.77	12.71	0.94
3	12.06	11.00	-1.06	12.67	0.61
4	11.87	11.00	-0.87	12.94	1.07
5	12.87	11.00	-1.87	12.92	0.05
6	12.17	10.75	-1.42	12.92	0.75
8	12.35	11.15	-1.20	13.06	0.71
9	12.27	11.63	-0.64	13.06	0.79
10	11.77	11.00	-0.77	12.69	0.92
11	11.77	11.54	-0.23	12.20	0.43
12	11.77	11.54	-0.23	12.11	0.34
13	11.77	11.84	0.07	11.85	0.08
14	11.77	11.50	-0.27	11.18	-0.59
15	12.27	12.13	-0.14	11.32	-0.95
16	11.77	11.46	-0.31	10.38	-1.39
17	12.27	11.70	-0.57	12.98	0.71
18	12.27	11.70	-0.57	12.93	0.66
19	12.27	11.19	-1.08	12.46	0.19
20	11.77	11.05	-0.72	13.00	1.23
21	11.77	11.17	-0.60	13.00	1.23
22	11.77	11.00	-0.77	13.00	1.23
23	12.27	11.67	-0.60	13.36	1.09
24	12.27	11.00	-1.27	12.23	-0.04
25	11.77	11.07	-0.70	11.83	0.06
3A	12.27	11.00	-1.27	12.65	0.38

TABLE 2.2.2.a



Denotes Street Flooding

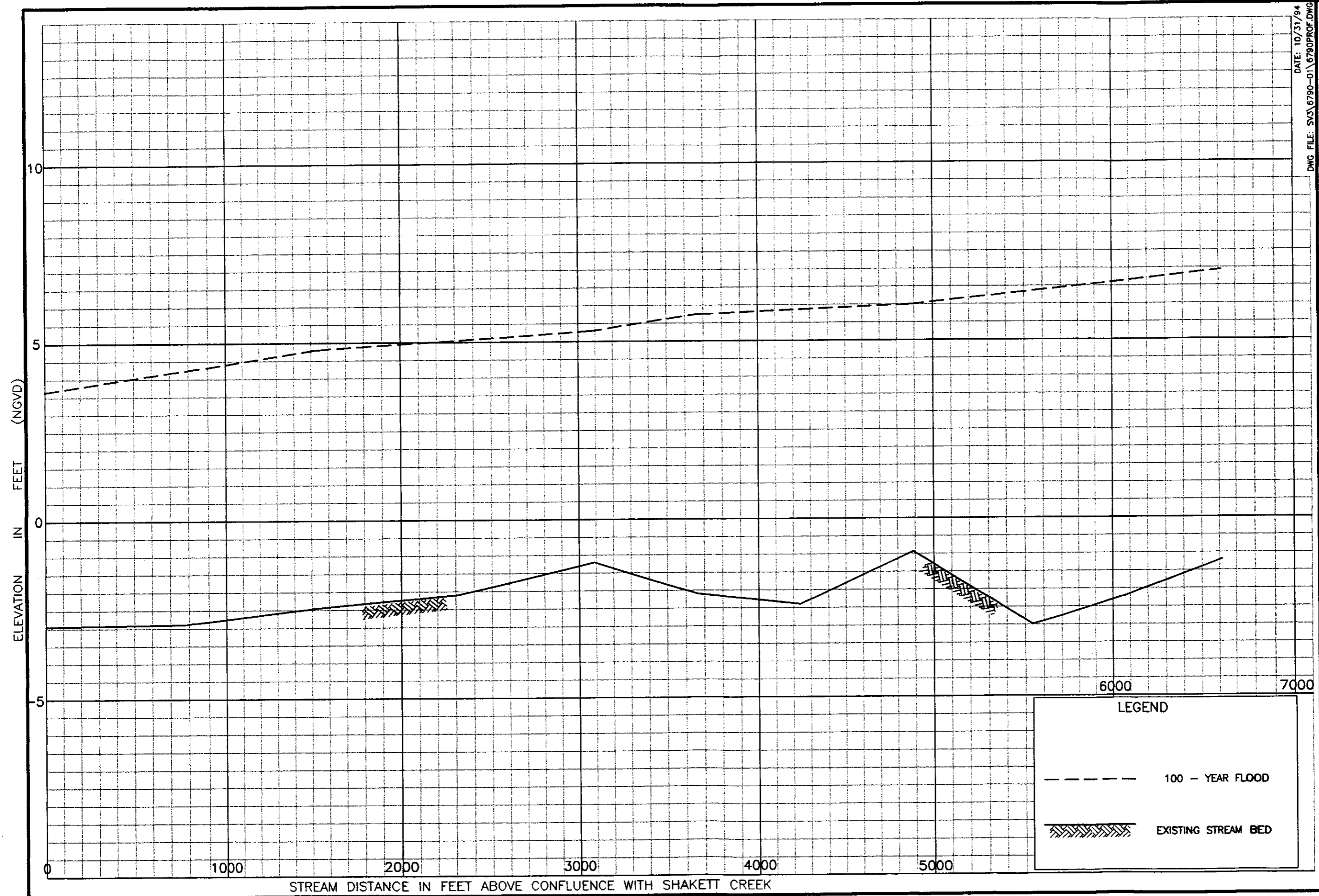
CALUSA LAKES - EXISTING WATER SURFACE ELEVATIONS

LAKE NO.	E.P. ELEV. (NGVD)	25-YR. ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)	100-YR ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)
1	11.72	11.98	0.26	10.50	12.67	0.95	21.50
2	11.77	12.71	0.94	26.00	13.40	1.63	31.00
3	12.06	12.67	0.61	21.25	13.07	1.01	26.50
4	11.87	12.94	1.07	23.25	13.32	1.45	28.25
5	12.87	12.92	0.05	5.50	13.33	0.46	19.75
6	12.17	12.92	0.75	23.00	13.33	1.16	29.25
8	12.35	13.06	0.71	26.25	13.77	1.42	34.75
9	12.27	13.06	0.79	28.00	13.77	1.50	35.50
10	11.77	12.69	0.92	8.25	13.79	2.02	13.50
11	11.77	12.20	0.43	10.25	12.94	1.17	17.00
12	11.77	12.11	0.34	8.50	12.81	1.04	15.75
13	11.77	11.85	0.08	3.25	12.56	0.79	11.50
14	11.77	11.18	-0.59	0.00	11.72	-0.05	0.00
15	12.27	11.32	-0.95	0.00	11.76	-0.51	0.00
16	11.77	10.38	-1.39	0.00	10.77	-1.00	0.00
17	12.27	12.98	0.71	19.00	14.01	1.74	33.25
18	12.27	12.93	0.66	17.75	13.97	1.70	31.75
19	12.27	12.46	0.19	11.75	13.39	1.12	28.00
20	11.77	13.00	1.23	20.50	14.45	2.68	32.75
21	11.77	13.00	1.23	21.50	14.20	2.43	33.00
22	11.77	13.00	1.23	20.50	14.20	2.43	35.50
23	12.27	13.36	1.09	18.00	14.73	2.46	29.25
24	12.27	12.23	-0.04	0.00	13.18	0.91	23.25
25	11.77	11.83	0.06	6.00	12.82	1.05	23.75
3A	12.27	12.65	0.38	14.25	12.96	0.69	20.75

TABLE 2.2.2.b



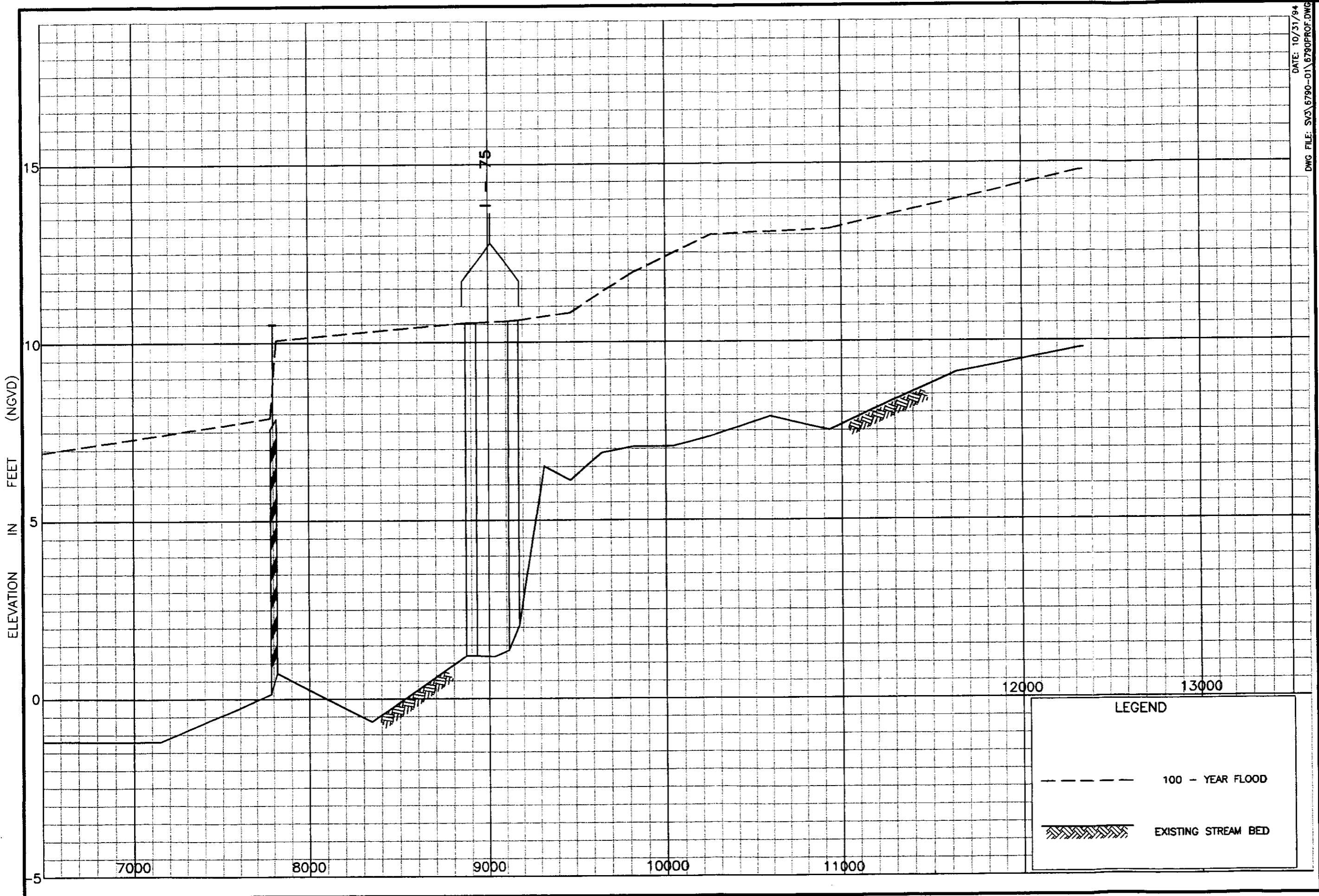
Denotes plus depth deficiency



FOX CREEK DRAINAGE STUDY
 LOWER FOX CREEK
 WATER SURFACE PROFILE

PREPARED FOR: AMDENING. / PALMER VENTURE
 PREPARED BY: KIMLEY-HORN & ASSOCIATES, INC.

FIGURE 2.2.2.g

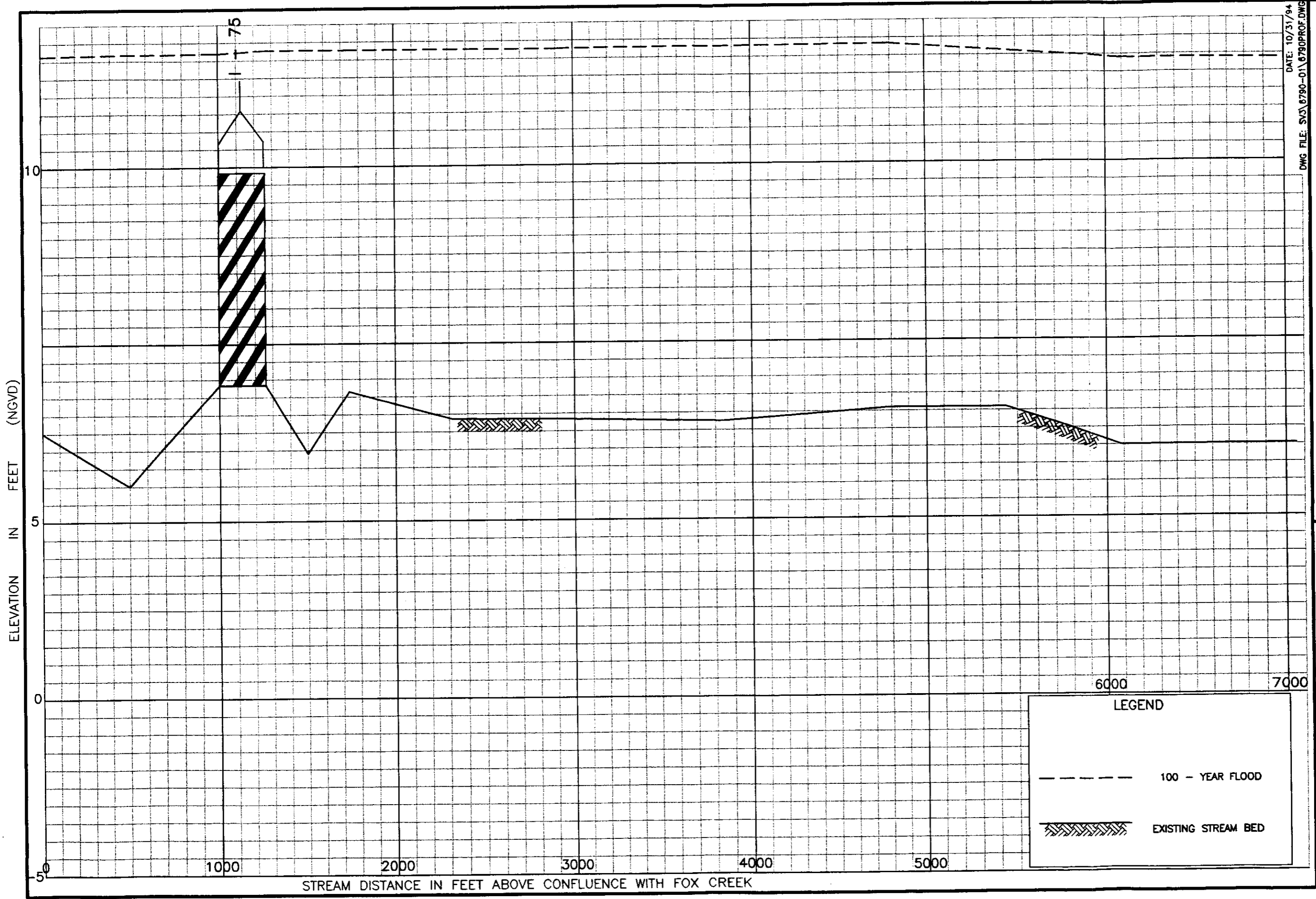


FOX CREEK DRAINAGE STUDY
 UPPER FOX CREEK
 WATER SURFACE PROFILE

PREPARED FOR: AMDENINC. / PALMER VENTURE

PREPARED BY: KIMLEY-HORN & ASSOCIATES, INC.

FIGURE 2.2.2.b



DATE: 10/31/94
 DWG FILE: S:\3\6790-01\6790PROF.DWG

PREPARED FOR: AMDENINC. / PALMER VENTURE

PREPARED BY: KIMLEY-HORN & ASSOCIATES, INC.

FOX CREEK DRAINAGE STUDY
 NORTH LATERAL DITCH
 WATER SURFACE PROFILE

FIGURE 2.2.2.d

3.0 EVALUATION CRITERIA

In order to evaluate both existing conditions and proposed alternatives relative to their ability to address roadway flooding in the Calusa Lakes subdivision, it is necessary to define objective criteria. With respect to the depth and frequency of flooding, Sarasota County has recently adopted minimum level of service criteria. This criteria defines the maximum allowable flooding for various frequency storms and roadway classifications. The roadways within Calusa Lakes would be considered neighborhood roads which, if designed these minimum standards would be subject to the following level of service criteria:

STORM FREQUENCY	MAXIMUM FLOODING DEPTH
10-YEAR	6 inches
25-YEAR	9 inches
100-YEAR	12 inches

It should be noted that this current level of service criteria does not address the duration of roadway flooding and was not in effect when the Calusa Lakes drainage system was designed.

However, the original engineering plans for Calusa Lakes provide an expectation that the design 25-year flood levels will be below the lowest edge of pavement with the exception of lake 13 which is represented to be approximately 1 inch above the lowest edge of pavement of the lowest roadway draining to it. Since the drainage design of Calusa Lakes precedes the adoption of the current minimum level of service criteria, the design 25-year flood levels represented on the original engineering plans were utilized as the level of service expectation for evaluation purposes.

4.0 ALTERNATIVE SOLUTIONS

4.1 CONCEPTUAL ALTERNATIVE INVESTIGATED

With respect to Calusa Lakes, of particular concern are the drainage conditions along the north boundary of the project. As confirmed by the flooding which occurred in lake June of 1992 and again as this report was being finalized, the existing conditions simulation predicts that the northern ditch will severely inhibit drainage from the Calusa Lakes stormwater management systems which are dependent upon it for their outfall. In essence, water is forced back into roadways and lawns as well as the stormwater lakes and wetlands within Calusa Lakes subdivision. The model also indicates that the Calusa Lakes stormwater management system itself cannot store and convey flood waters without significant roadway flooding, independent of tailwater conditions.

To address these problems, three conceptual alternatives were investigated. The first conceptual alternative involves the construction of an overflow by-pass canal along the wet side of I-75 between the north lateral ditch and Fox Creek to reduce the historically restrictive tailwater conditions which currently exist. This canal would need to be approximately 1,800 feet long, 80 feet wide, and would be constructed entirely in the uplands. In addition, in an attempt to address internal deficiencies and to reduce the duration of roadway flooding, several culverts which inter-connect lakes were enlarged and culverts were added to inter-connect all lakes within the exception of Lake No. 1. ?

The second conceptual alternative considers a diversion of the entire Calusa Lakes drainage system to the south lateral ditch and the construction of a contiguous berm (or dike) along the south side of the north lateral ditch. This alternative also required the enlargement and addition of internal culverts within Calusa Lakes.

The third conceptual alternative is identical to alternative 1 with one exception. Under this alternative, a flow restriction was envisioned in the north lateral ditch between the proposed by-pass canal and Fox Creek (i.e. in the general vicinity of I-75).

4.2 DETAILED HYDRAULIC INVESTIGATION OF ALTERNATIVES

4.2.1 ALTERNATIVE 1

The Alternative 1 emergency overflow canal design is presented on FIGURE 2 and includes a water level control structure at elevation 11.0 NGVD at the downstream end of the canal. Since elevation 11.0 NGVD represents the approximate 2-year flood level in the north lateral ditch, this design is conservatively not expected to alter the hydrologic regime of Fox Creek during normal flow conditions. In addition to the proposed overflow by-pass canal intended to address historic tailwater restrictions in the north lateral ditch, the alternative 1 concept considered the enlargement and addition of internal connector culverts between lakes. This latter improvement was facilitated by adding culverts between lakes 2 and 4, between lakes 4 and 12, between lakes 8 and 20, and between lakes 14 and 16A. In addition culverts between lakes 8 and 9, lakes 11 and 12, lakes 10 and 13, 12 and 13, 13 and 16, 17 and 18, 18 and 19, 19 and 24, 24 and 25, 23 and 22, 22 and 25, 20 and 22, and between 21 and 22 were enlarged to reduce internal headlosses.

4.2.1.1 ON-SITE RESULTS

The impact of this alternative on lake levels within Calusa Lakes is summarized in TABLE 4.2.1.1. Simulation results are provided in APPENDIX A. As indicated in TABLE 4.2.1.1, this alternative would result in a maximum roadway flooding of 0.40 feet for the 25-year design storm. Although current criteria recently adopted by Sarasota County would accept this depth of roadway flooding, it does not meet the expectation of the original engineering plans which represent that essentially no street flooding would occur for the 25-year design storm. A more efficient by-pass canal design (i.e. lower overflow elevation) and additional internal conveyance efficiency improvements would be warranted to approximate the expectation of flood levels during the 25-year design storm presented on the original engineering plans. It is noted that roadways serviced by lakes 20, 21, 23, and 25 have not yet been constructed. Therefore, it may be cost effective to design and construct these roads at a higher elevation to minimize or alleviate susceptibility to flooding.

Additional results from the Fox Creek model are summarized on TABLE 4.2.1.1 and include the depth of roadway flooding for the 100-year design storm as well as the duration of roadway flooding for the 25-year and 100-year design storms. Of particular note, the Fox Creek model indicates that roads serviced by lakes 20, 21, and 22 would be subject to more than 12" of flooding during the 100-year design storm which does not meet the current Sarasota County level of service criteria for such an event. Additionally, the duration of roadway flooding is expected to be as

much as ± 10 hours during the 25-year design storm (at lake 2) and ± 18 hours during the 100-year design storm (at lakes 17 and 18). However, longer duration storms may result in an increased duration of flooding.

4.2.1.2 OFF-SITE RESULTS

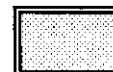
With respect to off-site flood levels, the modeling results for Alternative 1 indicate that flood levels for the 25-year design storm will increase between 0.11 ft. and 0.43 ft. in lower Fox Creek and between 0.35 ft. and 0.66 ft. in the south lateral ditch. Conversely, flood levels in the north lateral ditch will decrease between 0.26 ft. and 0.75 ft. The modeling also indicates that changes to upstream flood levels in the Palmer Ranch will be negligible with the exception of just upstream of the confluence of Fox Creek and the north lateral ditch which will decrease 0.24 ft.

For the 100-year design storm, the Fox Creek model indicates that the Alternative 1 improvements will increase off-site flood levels in lower Fox Creek between 0.16 ft. and 0.37 ft. and between 0.31 ft. and 0.65 ft. in the south lateral ditch. Also indicated by the Fox Creek model are flood level reductions in the north ditch between 0.32 ft. and 0.88 ft. No significant changes to upstream flood levels in the Palmer Ranch are indicated by the model.

ALTERNATIVE 1 - SUMMARY OF RESULTS

LAKE NO.	E.P. ELEV. (NGVD)	25-YR. ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)	100-YR ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)
1	11.72	11.60	-0.12	0.00	12.25	0.53	15.00
2	11.77	11.98	0.21	10.00	12.47	0.70	16.00
3	12.06	12.16	0.06	4.50	12.52	0.46	14.25
4	11.87	11.96	0.09	6.25	12.45	0.58	14.25
5	12.87	12.11	-0.76	0.00	12.83	-0.04	0.00
6	12.17	12.11	-0.06	0.00	12.59	0.42	14.25
8	12.35	12.21	-0.14	0.00	13.04	0.69	11.25
9	12.27	12.25	-0.02	0.00	13.07	0.80	12.75
10	11.77	11.65	-0.12	0.00	12.38	0.61	9.00
11	11.77	11.74	-0.03	0.00	12.45	0.68	10.50
12	11.77	11.65	-0.12	0.00	12.28	0.51	9.75
13	11.77	11.54	-0.23	0.00	12.18	0.41	8.00
14	11.77	11.23	-0.54	0.00	11.95	0.18	4.25
15	12.27	11.45	-0.82	0.00	12.00	-0.27	0.00
16	11.77	11.12	-0.65	0.00	11.79	0.02	0.00
17	12.27	12.44	0.17	7.25	13.24	0.97	18.00
18	12.27	12.43	0.16	6.75	13.23	0.96	17.75
19	12.27	12.34	0.07	4.00	13.15	0.88	16.50
20	11.77	12.17	0.40	7.25	13.01	1.24	15.50
21	11.77	12.08	0.31	6.00	12.92	1.15	14.75
22	11.77	12.08	0.31	6.25	12.91	1.14	15.00
23	12.27	12.11	-0.16	0.00	12.96	0.69	11.50
24	12.27	12.21	-0.06	0.00	13.05	0.78	15.00
25	11.77	11.80	0.03	1.50	12.55	0.78	13.25
3A	12.27	12.26	-0.01	0.00	12.55	0.28	10.50

TABLE 4.2.1.1



Denotes fplus depth deficiency

4.2.2 ALTERNATIVE 2

The alternative 2 concept considered diverting all stormwater from Calusa Lakes to the south lateral ditch. To simulate this alternative a contiguous berm was envisioned along the north boundary of Calusa Lakes (south of the north lateral ditch) and the existing hydraulic connections (i.e. lake outfall culverts) which allow water from the north lateral ditch to back into Calusa Lakes were considered to be removed. Finally, culverts and control structures were adjusted (i.e. enlarged, added) in an initial attempt to efficiently convey all stormwater in Calusa Lakes to the south. To facilitate this conveyance, with the exception of lakes 1, 17 and 18 all lakes were assumed equalized at elevation 10.0 NGVD and equalizer culverts were added between lakes 2 and 4, between lakes 4 and 12, and between 8 and 20. A discharge control structure was added from lake 21 to the south lateral ditch and numerous existing equalizer culverts were enlarged.

4.2.2.1 ON-SITE RESULTS

TABLE 4.2.2.1 summarizes the results of the alternative 2 simulation with respect to on-site conditions for Calusa Lakes. These results indicate a maximum depth of flooding of 0.36 feet for the 25-year design storm. Although this depth of roadway flooding meets the recently adopted level of service criteria of no more than a 9 inch depth of flooding during the 25-year design storm, it still violates the expectation of the original engineering plans which represent that no street flooding will occur during the 25-year design storm. To reconcile this expectation, additional internal storage and/or conveyance improvements would be warranted. It may be cost effective to elevate those roads which are not yet constructed and which are to be serviced by Lakes 20, 21, 23 and 25.

TABLE 4.2.2.1, also presents the depth of roadway flooding for the 100-year design as well as the duration of roadway flooding for the 25-year and 100-year design storms. It is noted that roads serviced by lakes 2, 4, and 11 would exceed the adopted level of service criteria which limits flooding during the 100-year design storm to 12 inches. In addition, the duration of roadway flooding is expected to be as much ± 7 hours for the 25-year design storm (at lake 2) and ± 15 hours for the 100-year design storm (at lake 3 and 3A). However, longer duration storms may result in an increased duration of flooding.

4.2.2.2 OFF-SITE RESULTS

With respect to off-site flood levels, the modeling results for Alternative 2 indicate that flood levels for the 25-year design storm will increase between 0.11 ft. and 0.72 ft. in lower Fox Creek, between 0.59 ft. and 1.47 ft. in the south lateral ditch, and between 0.25 ft. and 0.82 ft. in the north lateral ditch. Other than an increase of 0.56 ft. in the southwest portion of the Palmer Ranch (west end of the north lateral), the Fox Creek model indicates no

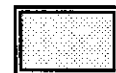
significant increase of flood levels on the Palmer Ranch for the 25-year design storm.

For the 100-year design storm, the Fox Creek model indicates that the Alternative 1 improvements will increase off-site flood levels in lower Fox Creek between 0.18 ft. and 0.92 ft., between 0.46 ft. and 1.29 ft. in the south lateral ditch, and between 0.41 ft. and 1.10 ft. in the north lateral ditch. In addition, flood levels in the southwest portion of the Palmer Ranch (west end of the north lateral), would be expected to increase 0.87 feet

ALTERNATIVE 2 - SUMMARY OF RESULTS

LAKE NO.	E.P. ELEV. (NGVD)	25-YR. ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)	100-YR ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)
1	11.72	11.35	-0.37	0.00	11.73	0.01	0.00
2	11.77	12.13	0.36	7.25	12.94	1.17	13.25
3	12.06	12.18	0.12	5.00	12.89	0.83	14.75
4	11.87	12.12	0.25	5.75	12.94	1.07	12.25
5	12.87	12.38	-0.49	0.00	13.10	0.23	6.75
6	12.17	12.09	-0.08	0.00	12.92	0.75	12.00
8	12.35	11.77	-0.58	0.00	12.35	0.00	0.00
9	12.27	11.85	-0.42	0.00	12.44	0.17	2.75
10	11.77	11.94	0.17	4.25	12.74	0.97	10.75
11	11.77	12.03	0.26	5.25	12.83	1.06	11.75
12	11.77	11.94	0.17	4.25	12.71	0.94	11.25
13	11.77	11.82	0.05	2.25	12.57	0.80	10.50
14	11.77	11.63	-0.14	0.00	12.36	0.59	9.00
15	12.27	11.39	-0.88	0.00	12.07	-0.20	0.00
16	11.77	11.38	-0.39	0.00	12.06	0.29	6.25
17	12.27	12.34	0.07	2.50	13.00	0.73	8.25
18	12.27	12.31	0.04	1.75	12.97	0.70	7.50
19	12.27	11.94	-0.33	0.00	12.41	0.14	4.00
20	11.77	11.62	-0.15	0.00	12.15	0.38	4.25
21	11.77	11.07	-0.70	0.00	11.35	-0.42	0.00
22	11.77	11.33	-0.44	0.00	11.72	-0.05	0.00
23	12.27	11.55	-0.72	0.00	12.09	-0.18	0.00
24	12.27	11.58	-0.69	0.00	11.95	-0.32	0.00
25	11.77	11.19	-0.58	0.00	11.49	-0.28	0.00
3A	12.27	12.23	-0.04	0.00	12.96	0.69	14.50

TABLE 4.2.2.1



Denotes fplus depth deficiency

4.2.3 ALTERNATIVE 3

As previously indicated, Alternative 3 is identical to Alternative 1 with the exception that a high flow restriction was envisioned in the north lateral ditch between the proposed by-pass canal and Fox Creek. This scenario was simulated by 'shutting-off' the culverts at I-75 in the alternative 1 data file. In actuality, some nominal hydraulic connection may need to be maintained between the north lateral ditch and Fox Creek to provide relief from Calusa Lakes during lesser storms (i.e. those which result in flood stages below the overflow invert of the by-pass canal weir).

4.2.3.1 ON-SITE RESULTS

The impact of this alternative on lake levels within Calusa Lakes is summarized in TABLE 4.2.3.1. Simulation results are provided in APPENDIX A. As indicated in TABLE 4.2.3.1, this alternative would result in a maximum roadway flooding of 0.39 feet for the 25-year design storm. Although current criteria recently adopted by Sarasota County would accept this depth of roadway flooding, it does not meet the expectation of the original engineering plans which represent that essentially no street flooding would occur for the 25-year design storm. A more efficient by-pass canal design (i.e. lower overflow elevation) and additional internal conveyance efficiency improvements would be warranted to approximate the expectation of flood levels during the 25-year design storm presented on the original engineering plans. It is noted that roadways serviced by lakes 20, 21, 23, and 25 have not yet been constructed. Therefore, it may be cost effective to design and construct these roads at a higher elevation to minimize or alleviate susceptibility to flooding.

Additional results from the Fox Creek model are summarized on TABLE 4.2.3.1 and include the depth of roadway flooding for the 100-year design storm as well as the duration of roadway flooding for the 25-year and 100-year design storms. Of particular note, the Fox Creek model indicates that roads serviced by lakes 20, 21, and 22 would be subject to more than 12" of flooding during the 100-year design storm which does not meet the current Sarasota County level of service criteria for such an event. Additionally, the duration of roadway flooding is expected to be as much as ± 7 hours during the 25-year design storm (at lake 2, 17, 18 and 20) and ± 18 hours during the 100-year design storm (at lakes 17 and 18). However, longer duration storms may result in an increased duration of flooding.

4.2.3.2 OFF-SITE RESULTS

With respect to off-site flood levels, the modeling results for Alternative 3 indicate that flood levels for the 25-year design storm will increase between 0.11 ft. and 0.50 ft. in lower Fox Creek and between 0.36 ft. and 0.66 ft. in the south lateral ditch. Conversely, flood levels

in the north lateral ditch will decrease between 0.46 ft. and 1.02 ft. The modeling also indicates that changes to upstream flood levels in the Palmer Ranch will be negligible.

For the 100-year design storm, the Fox Creek model indicates that the Alternative 3 improvements will increase off-site flood levels in lower Fox Creek between 0.14 ft. and 0.67 ft. and between 0.31 ft. and 0.64 ft. in the south lateral ditch. Also indicated by the Fox Creek model are flood level reductions in the north ditch between 0.41 ft. and 1.19 ft. No significant changes to upstream flood levels in the Palmer Ranch are indicated by the model.

ALTERNATIVE 3 - SUMMARY OF RESULTS

LAKE NO.	E.P. ELEV. (NGVD)	25-YR. ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)	100-YR ELEV. (NGVD)	DEPTH (FT)	DURATION (HRS)
1	11.72	11.50	-0.22	0.00	12.15	0.43	12.25
2	11.77	11.88	0.11	7.50	12.37	0.60	13.50
3	12.06	11.99	-0.07	0.00	12.42	0.36	11.25
4	11.87	11.87	0.00	0.00	12.36	0.49	12.25
5	12.87	11.94	-0.93	0.00	12.80	-0.07	0.00
6	12.17	11.94	-0.23	0.00	12.53	0.36	10.75
8	12.35	12.19	-0.16	0.00	13.03	0.68	10.75
9	12.27	12.24	-0.03	0.00	13.06	0.79	12.25
10	11.77	11.64	-0.13	0.00	12.37	0.60	8.25
11	11.77	11.72	-0.05	0.00	12.43	0.66	9.75
12	11.77	11.63	-0.14	0.00	12.27	0.50	8.75
13	11.77	11.53	-0.24	0.00	12.16	0.39	7.50
14	11.77	11.22	-0.55	0.00	11.94	0.17	4.00
15	12.27	11.44	-0.83	0.00	11.99	-0.28	0.00
16	11.77	11.11	-0.66	0.00	11.78	0.01	0.00
17	12.27	12.44	0.17	7.00	13.24	0.97	17.75
18	12.27	12.43	0.16	6.75	13.23	0.96	17.25
19	12.27	12.33	0.06	3.75	13.15	0.88	16.25
20	11.77	12.16	0.39	6.75	13.00	1.23	15.00
21	11.77	12.07	0.30	5.75	12.91	1.14	14.50
22	11.77	12.06	0.29	5.75	12.90	1.13	14.50
23	12.27	12.10	-0.17	0.00	12.95	0.68	11.25
24	12.27	12.20	-0.07	0.00	13.04	0.77	14.50
25	11.77	11.79	0.02	1.25	12.54	0.77	13.00
3A	12.27	12.06	-0.21	0.00	12.43	0.16	6.75

TABLE 4.2.3.1



Denotes fplus depth deficiency

5.0 CONCLUSIONS

Historical flood levels in the north lateral ditch which drains the northern portion of the Calusa Lakes subdivision create restrictive tailwater conditions. Since the roadways and stormwater management system in the northern portion of Calusa Lakes were designed below these historic downstream flood levels, it is suspected that this design of the Calusa Lakes stormwater management system did not account for this historical condition.

The portion of Fox Creek located downstream of the north lateral ditch is extremely shallow and is contained within a conservation area which would essentially prohibit significant drainage improvements other than hand clearing. However, the Fox Creek model indicates that an overflow by-pass canal located along the west side of I-75 would be effective in reducing the existing depth and duration of flood stages in the north lateral ditch. Unfortunately, even with this improvement, the Fox Creek model reveals that the internal stormwater system for Calusa Lakes is suspect with respect to its ability to meet the flood expectations represented on the original engineering plans. Based upon the Fox Creek model it is concluded that in addition to not accounting for historical tailwater conditions which can be partially addressed by the overflow by-pass canal, the original stormwater management design for Calusa Lakes does not appear to accurately account for headlosses within the internal stormwater management systems. To address this latter problem, internal lakes will need to be expanded and/or storm drains will need to be enlarged.

Based upon the minimum finished floor elevation established for Calusa Lakes (14.7 NGVD), the Fox Creek model indicates that no habitable structure flooding is expected to occur for up to and including the 100-year design storm.

Recommendations aimed at improving flood protection in the Fox Creek basin are contained within the following Section and are intended to specifically address existing roadway access flood protection level of service deficiencies within the Calusa Lake subdivision.

Alternative 1 is preferred over alternative 2 since it is expected to result in the less impacts to off-site flood levels. In fact, the magnitude of increase in flood levels in the southwest portion of the Palmer Ranch associated with Alternative 2 are considered unacceptable. However, provided that less intense storms could be accommodated, Alternative 3 would be preferred as the most effective in terms of decreasing on-site flood levels in Calusa Lakes while not adversely increasing off-site flood levels.

6.0 RECOMMENDATIONS

Based upon the findings of this study, it is recommended that the Alternative 1 concept be pursued. This preferred alternative should consider the following components:

- Sarasota County should recognize the Fox Creek study as the 'best available information' with respect to existing of flood elevations in the Fox Creek watershed.
- The proposed by-pass canal should be constructed to provide a more efficient outfall for the lower Fox Creek basin and in particular the Calusa Lakes subdivision. The overflow elevation of this by-pass canal should be established to attain the specific flood elevation expectations (and tailwater assumptions) identified on the original engineering plans and record drawings to the extent possible while maintaining the normal hydraulic regime of the natural Fox Creek watercourse and other regional water resources.
- A flood flow restriction within the north lateral ditch between the proposed by-pass canal and Fox Creek should be considered, subject to demonstration the lesser storms will be adequately accommodated.
- To the extent possible, the internal stormwater management system for Calusa Lakes should be modified to attain the specific flood elevation expectations represented on the original engineering plans and record drawings.
- To the extent possible, consideration should be given to elevate roadways not yet constructed to minimize their susceptibility to flooding and to meet the expectation of the flood protection as expectations of the original engineering plans and record drawings.
- The north lateral ditch should be maintained and the portion of Fox Creek located south of the Palmer Ranch and east of I-75 should be hand cleared.
- The drainage system along the west side of Calusa Lakes and through Mission Valley Golf Course should be evaluated for it's drainage efficiency. If existing restrictions exist, they should be corrected.

LOCATION MAP

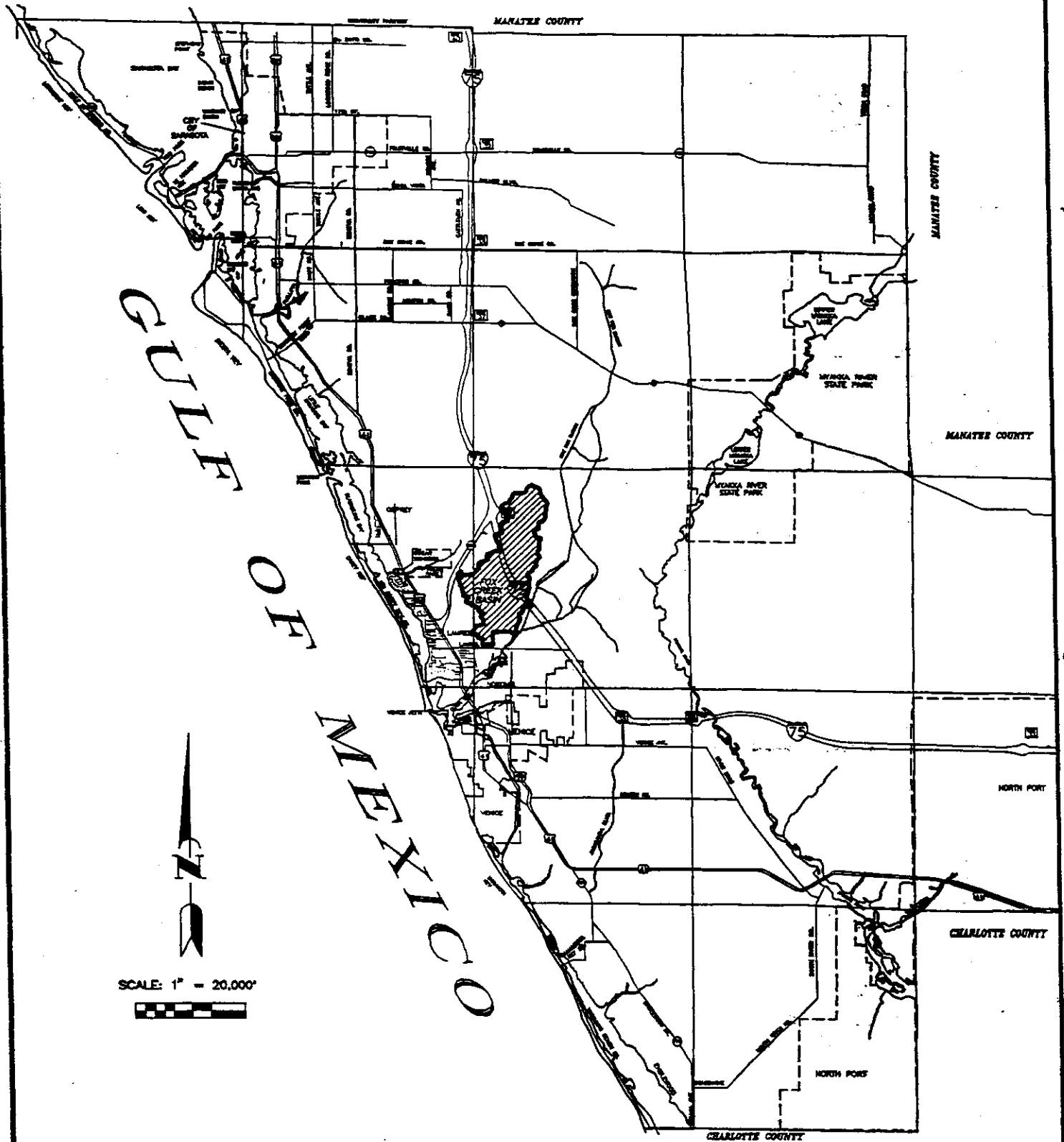


FIGURE 1

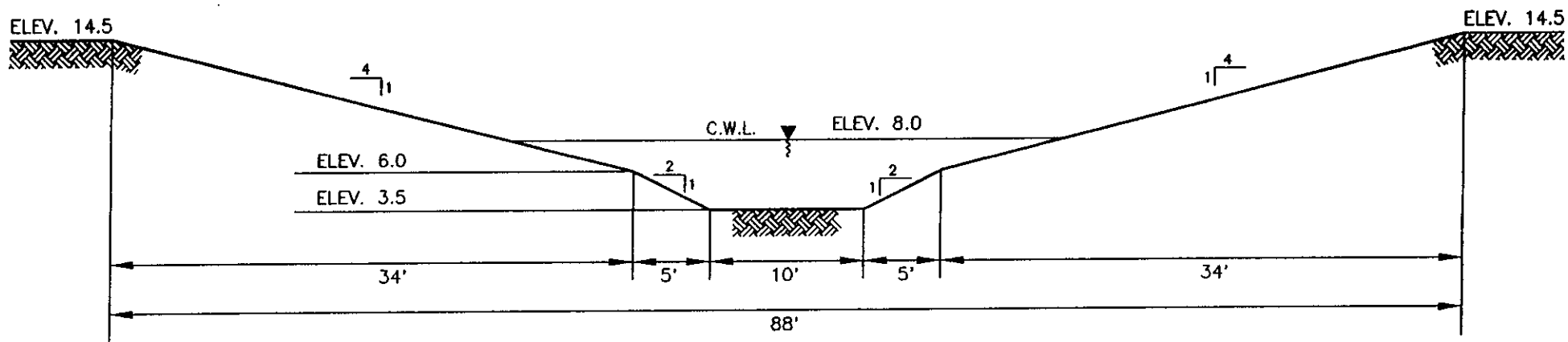
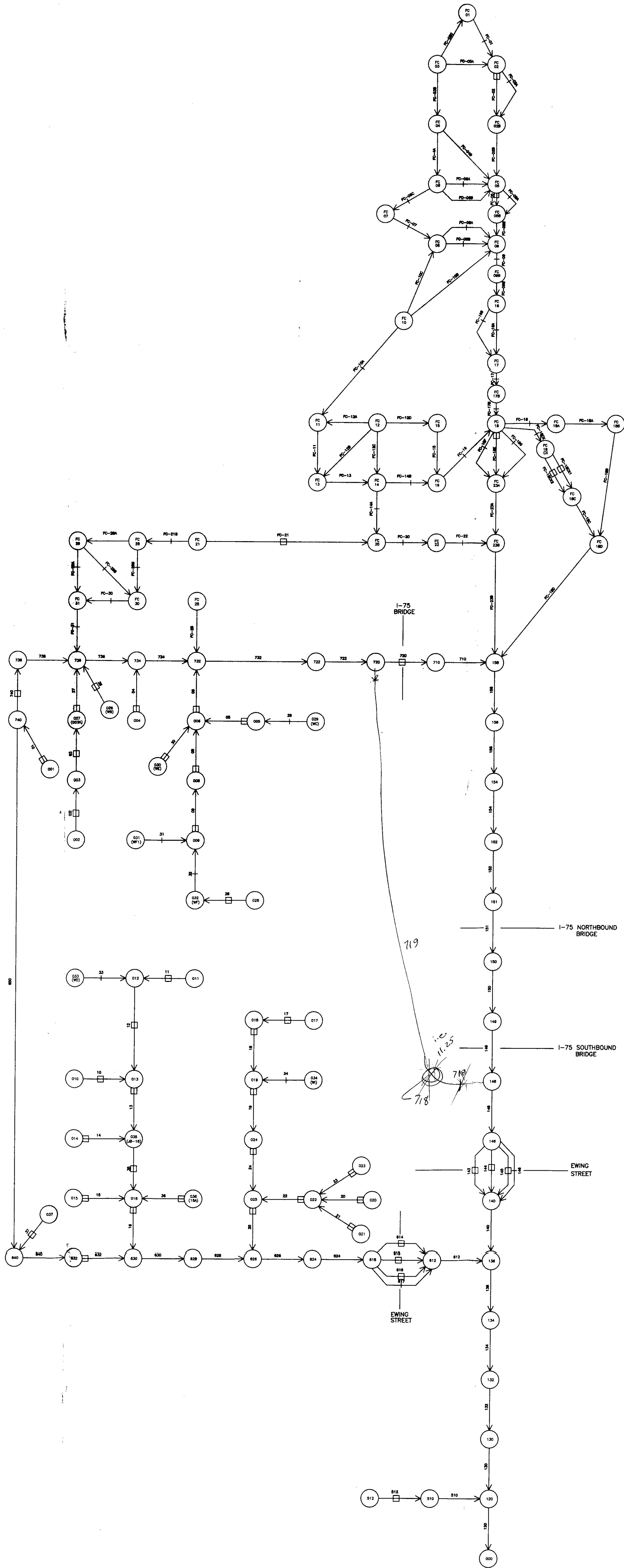


FIGURE 2

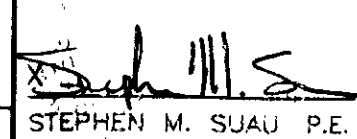

SCALE : 1" = 10' HORIZ.
 1" = 10' VERT.

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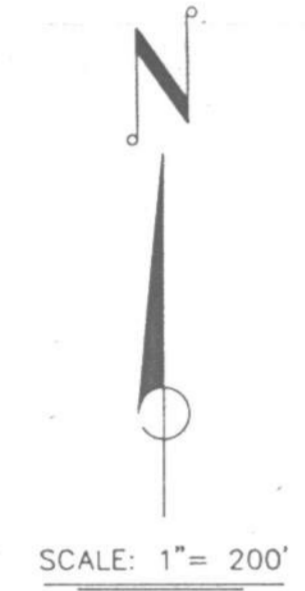
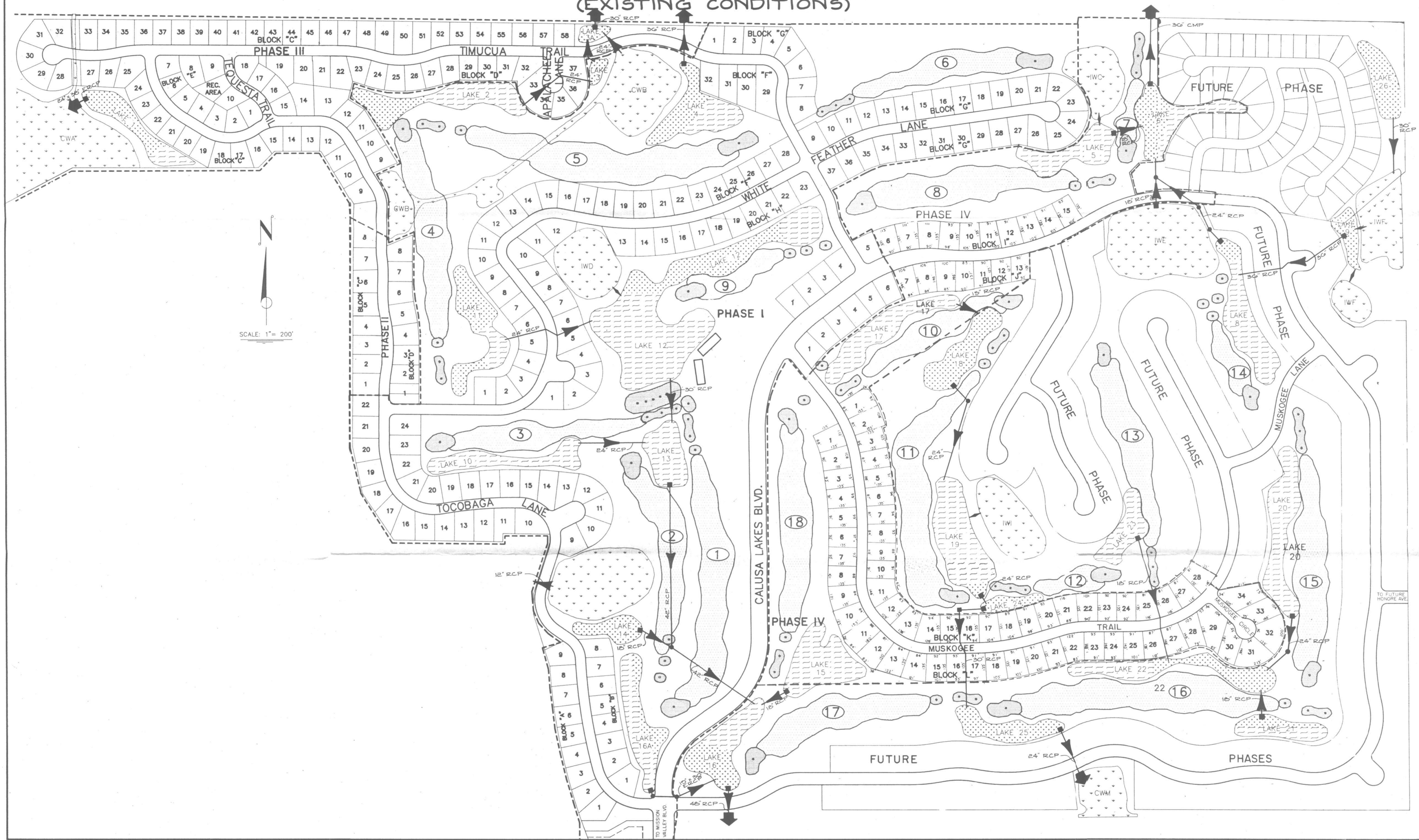
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DESC:	ROUTING SCHEMATIC			Design By: S.M.S.	Drawn By: R.B.K.	Checked By: S.M.S.	Project No.: 6679-25	
				CADD File: 667925RS	Plot Index: N.A.	Date: 8/12/94	SCALE: N.T.S.	

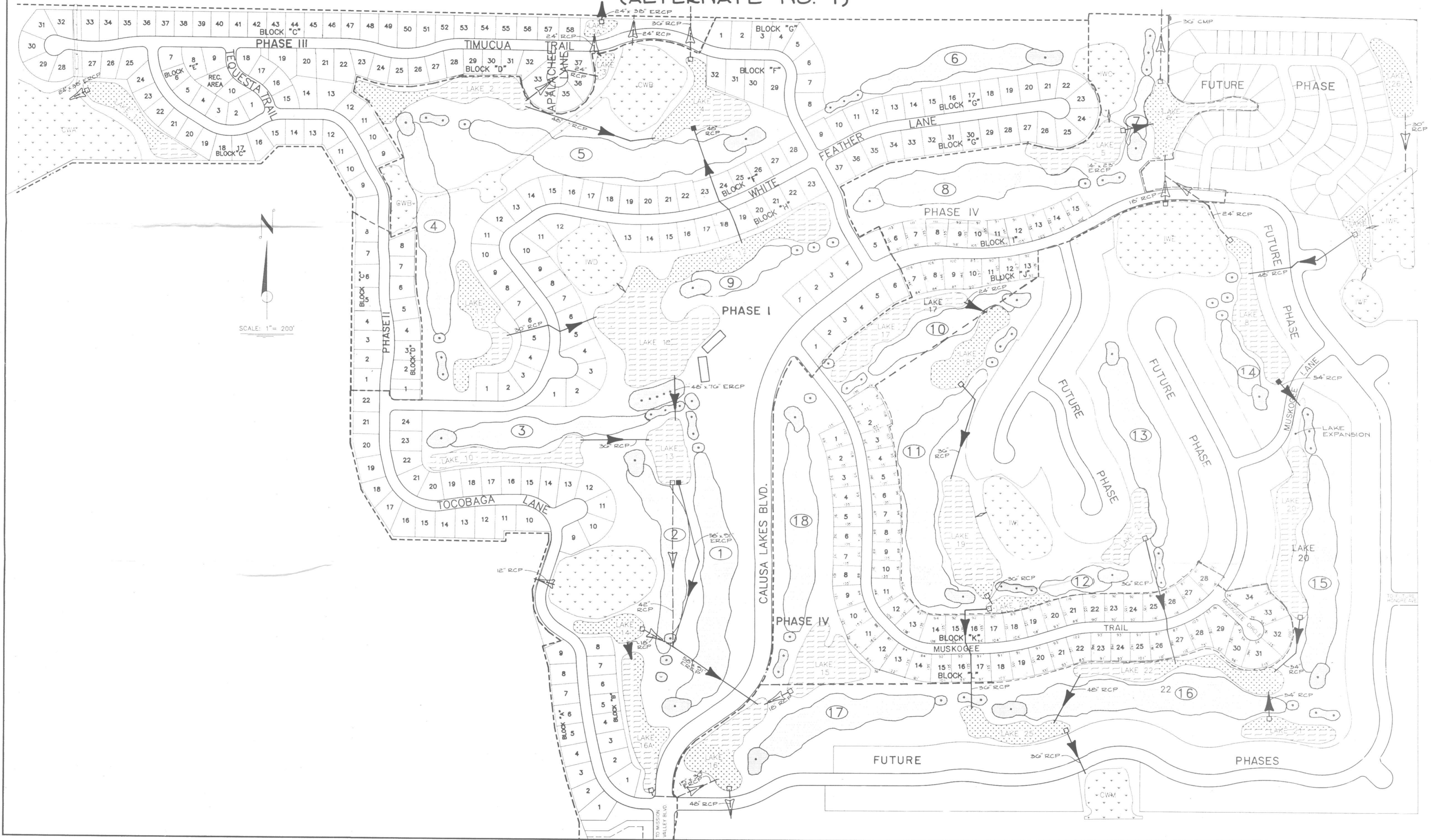
CALUSA LAKES (EXISTING CONDITIONS)



EXISTING

CALUSA LAKES

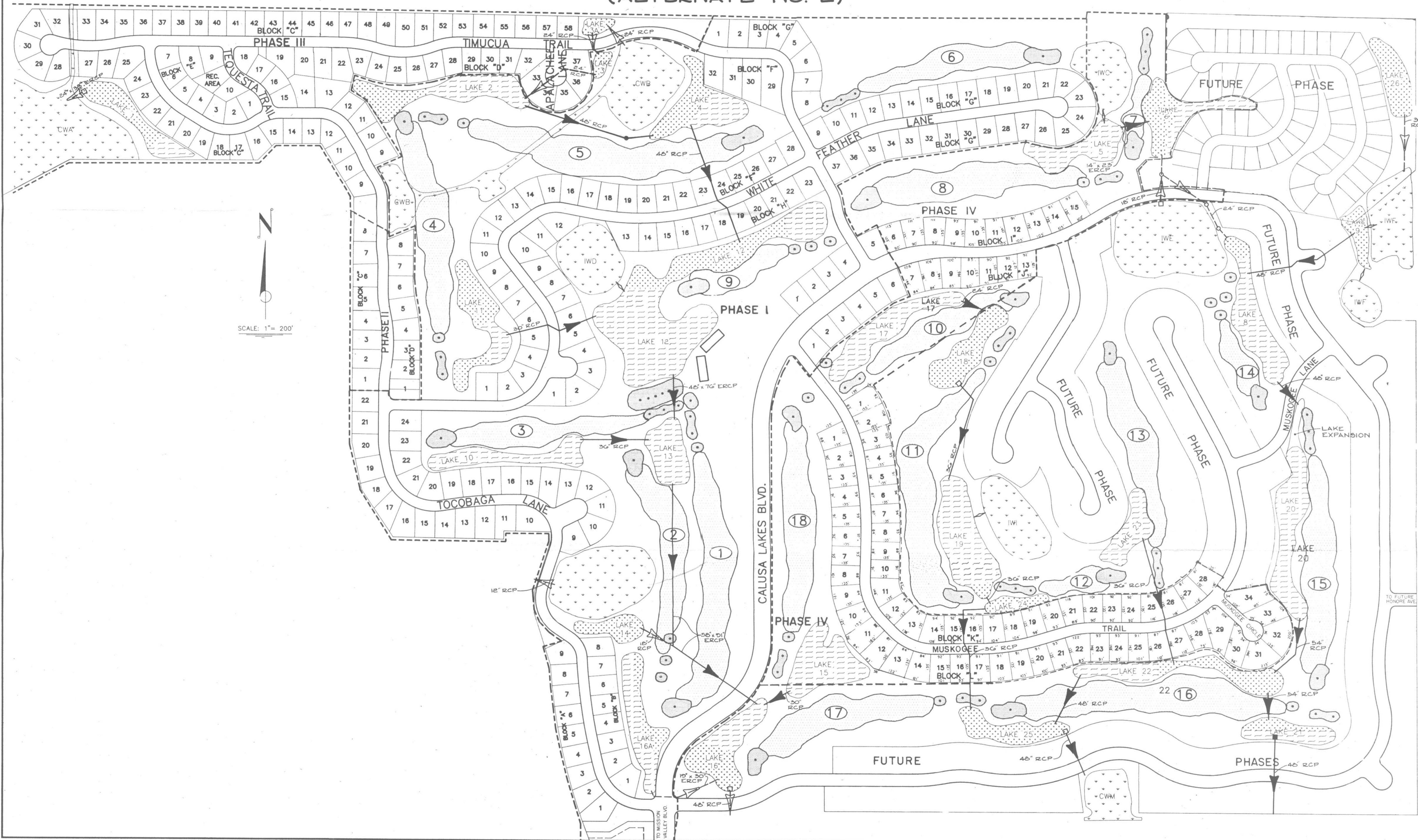
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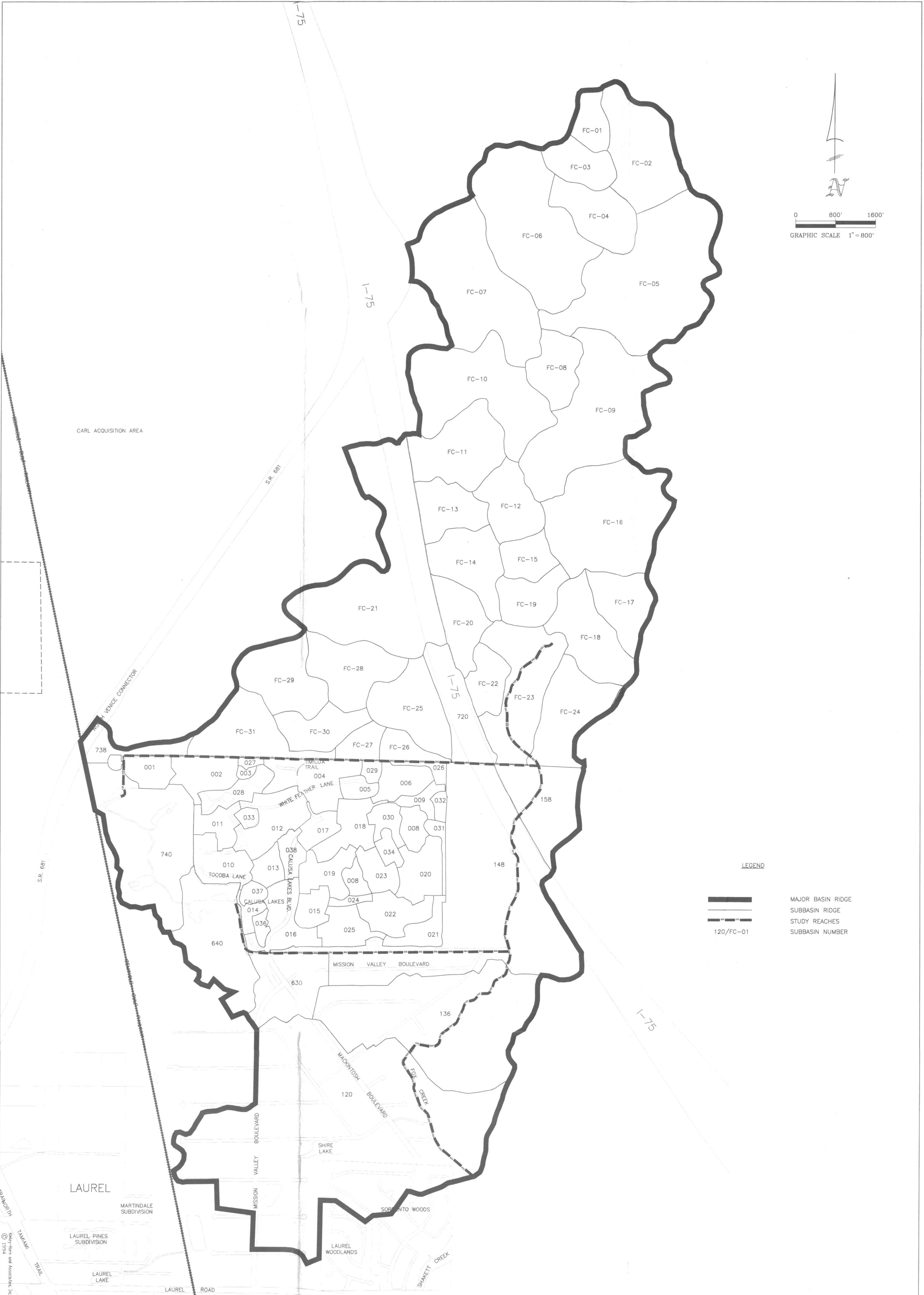
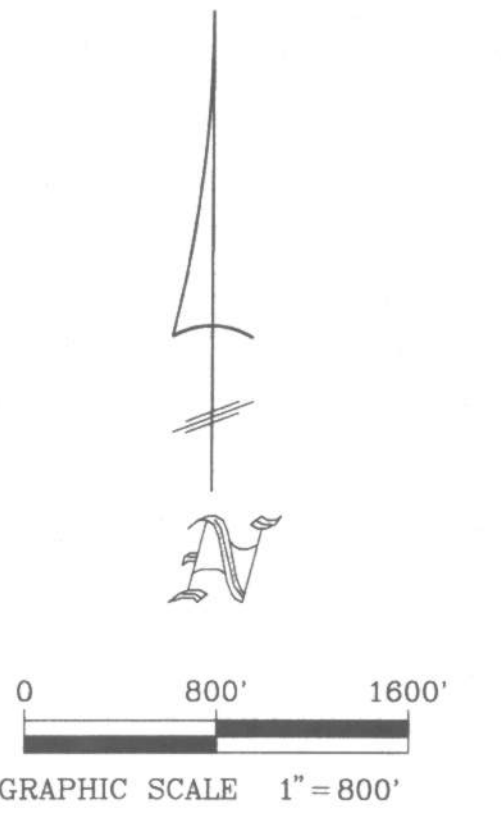
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CALUSA LAKES

(ALTERNATE NO. 2)



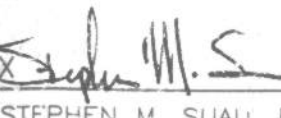
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LEGEND


-  MAJOR BASIN RIDGE
-  SUBBASIN RIDGE
-  STUDY REACHES
-  120/FC-01 SUBBASIN NUMBER

FOR: AMDEN, INC. / PALMER VENTURE
 TITLE: FOX CREEK DRAINAGE STUDY
 DESC: EXHIBIT 2 - BASIN / SUBBASIN DELINEATION MAP

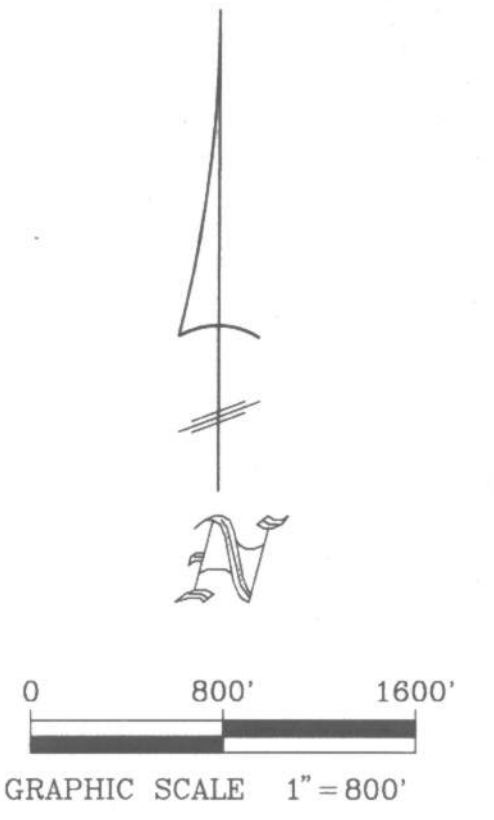
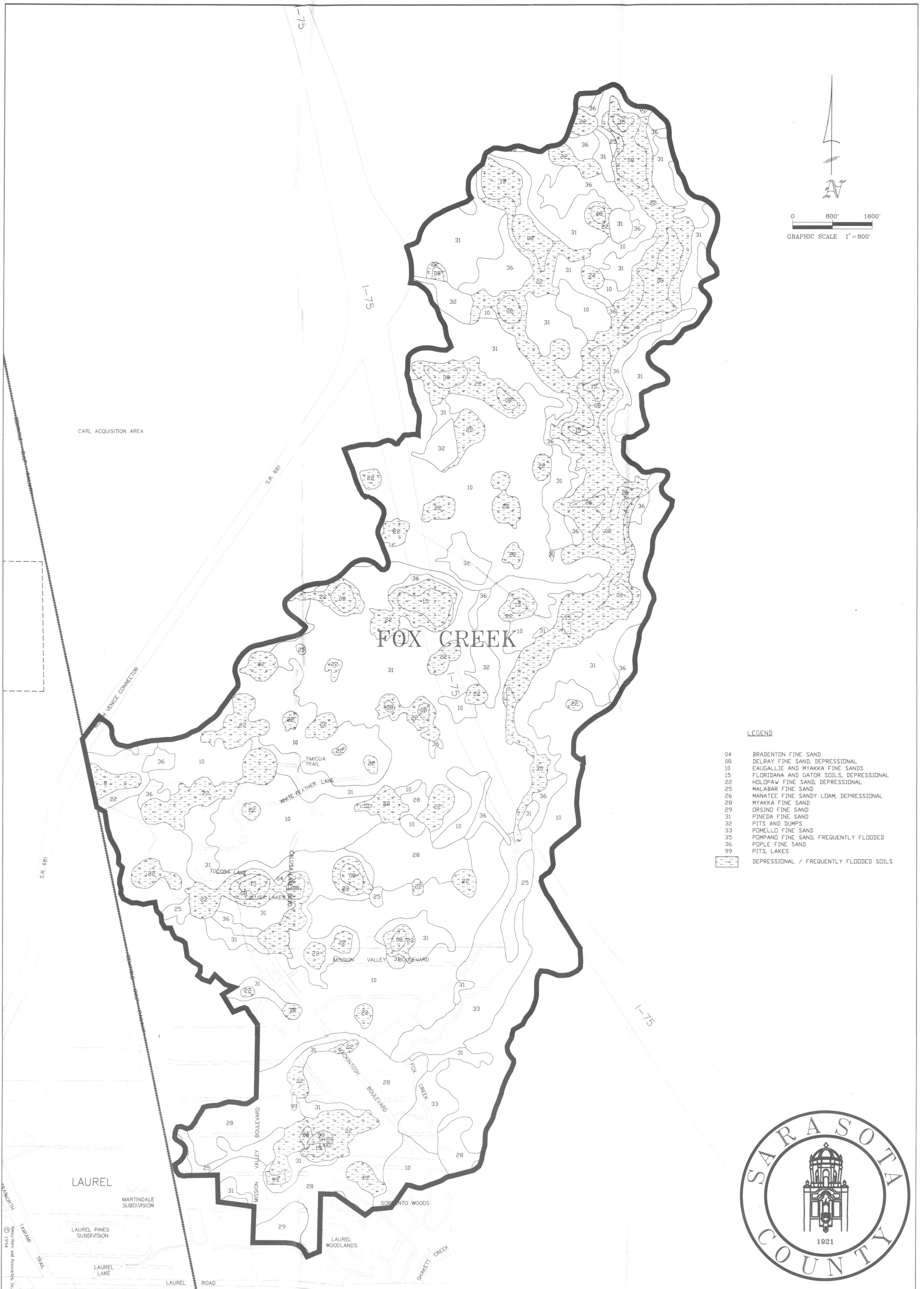

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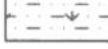
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 **Kimley-Horn and Associates, Inc.**
 Engineering, Planning and Environmental Consultants
 7202 BENEVA ROAD SOUTH
 SARASOTA, FLORIDA 34238
 TEL (813) 922-8187
 FAX (813) 922-2351

Design By: S.M.S.	Drawn By: R.B.K.	Checked By: S.M.S.	Project No.: 6679-25
CADD File: 67925BAS	Plot Index: BASINMAP	Date: 9/21/94	SCALE: 1"=800'



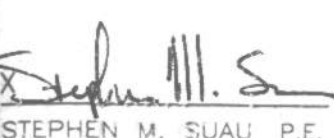
LEGEND

- 04 BRADENTON FINE SAND
 - 08 DELRAY FINE SAND, DEPRESSIONAL
 - 10 EAUGALLIE AND MYAKKA FINE SANDS
 - 15 FLORIDANA AND GATOR SOILS, DEPRESSIONAL
 - 22 HOLEPAW FINE SAND, DEPRESSIONAL
 - 25 MALABAR FINE SAND
 - 26 MANATEE FINE SANDY LOAM, DEPRESSIONAL
 - 28 MYAKKA FINE SAND
 - 29 ORSINO FINE SAND
 - 31 PINEDA FINE SAND
 - 32 PITS AND DUMPS
 - 33 POMELLO FINE SAND
 - 35 POMPANO FINE SAND, FREQUENTLY FLOODED
 - 36 POPLA FINE SAND
 - 99 PITS, LAKES
-  DEPRESSIONAL / FREQUENTLY FLOODED SOILS




FOR:	AMDEN, INC. / PALMER VENTURE
TITLE:	FOX CREEK DRAINAGE STUDY
DESC:	EXHIBIT 3 - SOILS MAP

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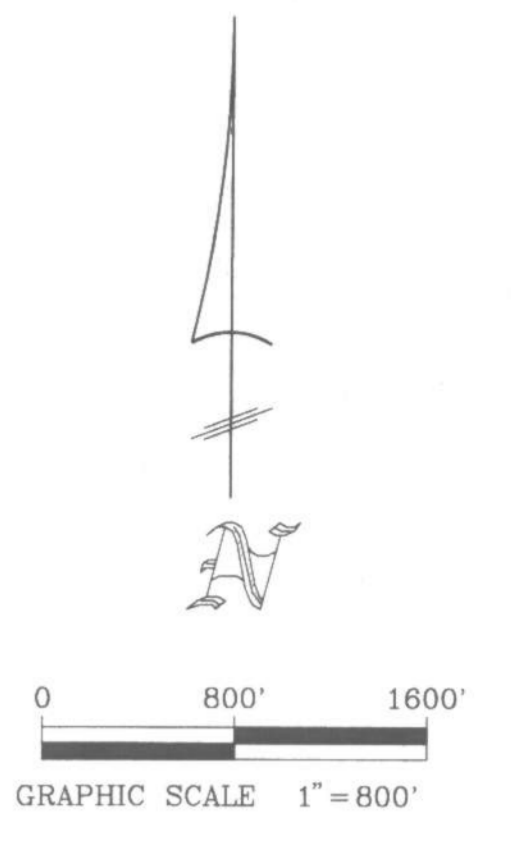
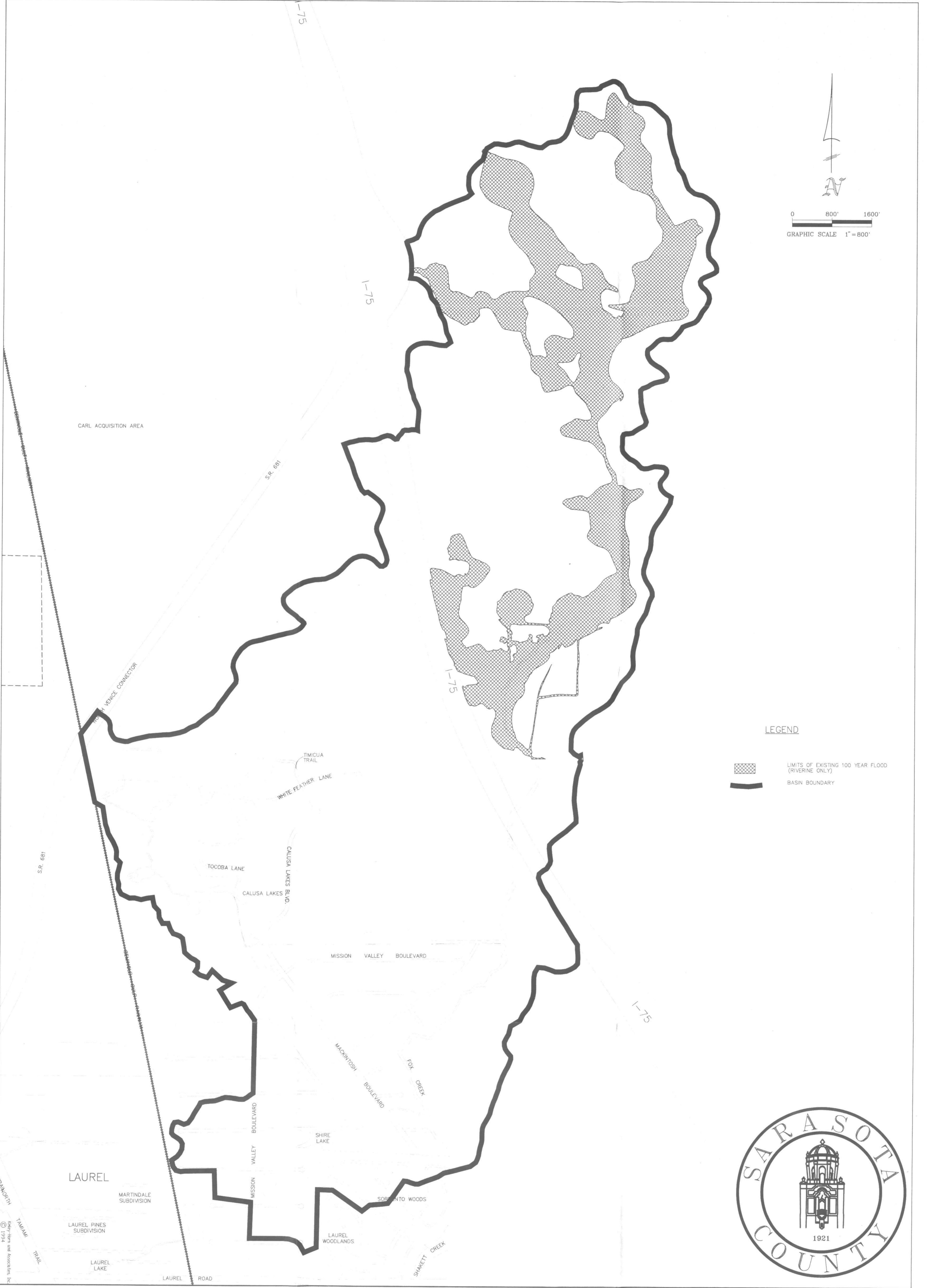


**Kimley-Horn
and Associates, Inc.**
Engineering, Planning and
Environmental Consultants

7202 BENEVA ROAD SOUTH
SARASOTA, FLORIDA 34238
TEL (813) 922-8187
FAX (813) 922-2381

Design By: S.M.S.	Drawn By: R.B.K.	Checked By: S.M.S.	Project No.: 6790-01
CADD File: 67925BAS	Plot Index: SOILS	Date: 9/21/94	SCALE: 1"=800'

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LEGEND

- LIMITS OF EXISTING 100 YEAR FLOOD (RIVERINE ONLY)
- BASIN BOUNDARY



FOR: **AMDEN, INC. / PALMER VENTURE**
 TITLE: **FOX CREEK DRAINAGE STUDY**

DESC: **EXHIBIT 4 - 100 YEAR FLOODPLAIN MAP**

Stephen M. Sual
 STEPHEN M. SUAL P.E.
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 Engineering, Planning and Environmental Consultants

7202 BENEVA ROAD SOUTH
 SARASOTA, FLORIDA 34238
 TEL (813) 922-8187
 FAX (813) 922-2351

Design By: S.M.S. Drawn By: R.B.K. Checked By: S.M.S. Project No.: 6790-07
 CADD File: 67925BAS Plot Index: FLDPLN Date: 9/21/94 SCALE: 1"=800'

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ALTERNATIVE 3

25 YEAR ROUTING OUTPUT

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
 Copyright 1989, Streamline Technologies, Inc.

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 25 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT

=====

NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
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001	11.50	2.08	34.34	.00	.00	25.26
002	11.88	4.66	37.95	.00	.00	25.34
003	11.99	.48	4.37	.00	4.90	5.85
004	11.87	3.45	35.37	.00	25.34	36.66
005	11.94	2.65	10.12	.00	3.42	5.00
006	11.94	5.56	22.00	.00	9.49	8.09
008	12.19	4.51	19.60	.00	19.93	17.31
009	12.24	1.27	15.58	.00	11.80	19.93
010	11.64	2.32	27.67	.00	.00	15.23
011	11.72	2.77	18.89	.00	.00	5.27
012	11.63	10.70	36.73	.00	28.98	39.19
013	11.53	2.21	23.81	.00	43.96	52.67
014	11.22	1.34	7.54	.00	.00	1.88
015	11.44	3.38	20.05	.00	.00	2.75
016	11.11	3.38	32.69	.00	58.22	65.65
017	12.44	3.57	22.15	.00	.00	4.69
018	12.43	2.61	27.73	.00	4.69	20.28
019	12.33	8.00	21.87	.00	22.68	15.69
020	12.16	5.86	27.28	.00	11.76	18.15
021	12.07	3.06	28.56	.00	.00	14.25
022	12.06	6.69	28.43	.00	26.63	32.40
023	12.10	1.98	20.91	.00	.00	11.39
024	12.20	1.43	4.33	.00	15.69	16.60
025	11.79	3.84	26.14	.00	45.52	50.81
026	12.39	2.48	4.73	.00	.00	4.27
027	12.06	.64	5.17	.00	5.85	8.06
028	12.11	5.36	8.29	.00	.00	6.22
029	12.94	4.03	4.41	.00	.00	3.42
030	11.81	7.44	11.83	.00	.00	5.01
031	12.32	1.34	5.84	.00	.00	5.52
032	12.35	3.79	8.10	.00	4.27	6.46
033	12.50	2.06	8.27	.00	.00	4.83
034	12.34	5.63	7.68	.00	.00	4.33
035	11.26	.59	.00	.00	51.38	51.34
036	11.11	2.85	.00	.00	3.38	5.01
037	11.45	2.74	13.46	.00	.00	5.20
120	4.53	13.14	197.07	.00	583.91	743.67
130	4.96	9.61	.00	.00	583.42	583.91
132	5.33	10.60	.00	.00	583.80	583.42
134	5.51	8.87	.00	.00	583.42	583.80
136	6.38	5.71	88.33	.00	539.43	583.42
140	7.11	2.35	.00	.00	361.96	361.44
146	8.37	1.94	.00	.00	361.96	361.96

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 25 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT
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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	8.88	2.14	111.43	.00	310.32	361.96
149	8.90	.41	.00	.00	264.78	264.87
150	8.97	.39	.00	.00	264.34	264.78
151	8.99	1.76	.00	.00	260.34	264.34
152	9.49	.71	.00	.00	259.31	260.34
154	11.61	1.51	.00	.00	259.38	259.31
156	12.68	7.41	.00	.00	259.61	259.38
158	12.78	9.40	54.53	.00	242.01	259.61
612	6.63	.60	.00	.00	192.21	190.73
618	7.81	.97	.00	.00	190.71	192.21
624	8.41	1.88	.00	.00	190.84	190.71
626	8.99	8.90	.00	.00	191.38	190.84
628	9.71	1.82	.00	.00	141.67	141.66
630	9.97	.57	.00	.00	141.68	141.67
632	10.57	.67	47.51	.00	69.39	77.14
640	11.45	16.08	68.32	.00	59.55	69.39
710	12.78	1.22	.00	.00	.00	1.74
718	11.80	4.36	.00	.00	99.22	67.57
720	11.86	4.99	14.68	.00	71.41	99.22
722	11.91	1.82	.00	.00	63.92	71.41
732	11.99	3.17	6.43	.00	51.59	63.92
734	12.02	3.22	7.08	.00	50.39	52.22
736	12.09	4.03	.00	.00	116.85	60.75
738	12.03	2.40	18.17	.00	.00	45.82
740	11.49	31.68	61.42	.00	25.26	35.56
FC-01	16.72	2.81	9.09	.00	.24	8.66
FC-02	15.94	16.23	40.96	.00	8.66	23.03
FC-03	17.33	9.24	10.99	.00	.00	5.93
FC-04	17.32	12.96	16.79	.00	3.17	8.59
FC-05	15.83	48.34	81.72	.00	65.12	91.93
FC-06	16.40	54.37	73.68	.00	5.03	48.66
FC-07	16.35	32.27	45.48	.00	4.36	33.73
FC-08	16.18	9.56	19.02	.00	33.73	41.21
FC-09	15.74	25.44	48.12	.00	132.07	158.20
FC-10	16.35	43.23	45.67	.00	.00	19.31
FC-11	16.35	42.57	34.46	.00	19.31	9.88
FC-12	16.84	16.15	17.46	.00	.00	8.87
FC-13	16.35	22.52	15.44	.00	9.88	.25
FC-14	15.46	8.97	20.88	.00	.25	15.92
FC-15	16.33	4.45	7.97	.00	.00	6.25
FC-16	15.47	28.19	50.46	.00	158.19	182.58
FC-17	14.68	10.69	17.45	.00	182.58	187.13
FC-18	14.60	16.16	22.77	.00	196.61	204.87
FC-19	14.65	6.18	15.01	.00	6.25	15.49

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 25 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT

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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
FC-20	15.07	21.83	22.32	.00	23.16	33.51
FC-21	15.07	13.75	46.80	.00	.00	41.92
FC-22	14.89	23.52	17.38	.00	33.51	40.31
FC-23A	14.50	3.78	.00	.00	122.34	122.72
FC-23B	14.25	8.43	47.80	.00	149.41	159.51
FC-25	14.60	17.69	24.99	.00	.00	4.07
FC-28	14.74	14.42	19.61	.00	33.75	46.33
FC-29	14.01	9.53	23.57	.00	10.40	24.32
FC-30	13.94	7.16	14.75	.00	35.93	42.89
FC-31	12.77	2.88	29.85	.00	67.10	77.18
FC-02B	15.84	.19	.00	.00	23.03	23.04
FC-05B	15.80	.15	.00	.00	91.93	91.93
FC-09B	15.59	1.44	.00	.00	158.20	158.19
FC-17B	14.65	.09	.00	.00	187.13	187.12
FC-18A	14.50	.60	.00	.00	36.78	36.78
FC-18B	13.99	.57	.00	.00	36.78	36.76
FC-18C	13.74	.70	.00	.00	45.76	45.76
FC-18D	13.41	1.34	.00	.00	82.52	82.52
FC-18CX	14.51	.12	.00	.00	45.76	45.76

ALTERNATIVE 3

100 YEAR ROUTING OUTPUT

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 100 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT
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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1701.88	.00	.00	969.02	.00
001	12.15	2.98	45.10	.00	.00	32.65
002	12.37	5.83	49.63	.00	.00	25.34
003	12.42	.58	5.73	.00	5.50	6.82
004	12.36	4.21	46.82	.00	25.34	44.37
005	12.80	3.82	13.22	.00	4.74	3.57
006	12.53	6.67	28.90	.00	9.59	11.73
008	13.03	6.34	25.77	.00	25.94	16.78
009	13.06	1.76	20.36	.00	14.28	25.94
010	12.37	3.37	36.48	.00	.00	18.57
011	12.43	3.92	24.80	.00	.00	6.33
012	12.27	14.96	48.00	.00	31.90	39.97
013	12.16	3.13	31.02	.00	48.86	60.75
014	11.94	1.90	9.95	.00	.00	2.24
015	11.99	4.41	26.40	.00	.00	4.00
016	11.78	4.67	43.09	.00	63.39	74.36
017	13.24	5.22	28.85	.00	.00	5.43
018	13.23	3.82	36.49	.00	5.43	20.44
019	13.15	10.07	28.81	.00	23.90	17.90
020	13.00	7.66	36.02	.00	11.60	20.21
021	12.91	3.95	37.50	.00	.00	19.31
022	12.90	8.49	37.53	.00	30.77	36.17
023	12.95	2.85	27.53	.00	.00	14.36
024	13.04	1.82	5.72	.00	17.90	19.13
025	12.54	4.88	34.52	.00	48.80	54.17
026	13.08	3.24	6.21	.00	.00	4.78
027	12.43	.75	6.68	.00	6.82	9.60
028	12.54	7.32	11.12	.00	.00	7.35
029	12.99	4.10	5.88	.00	.00	4.74
030	12.21	8.84	15.79	.00	.00	5.00
031	13.07	1.79	7.79	.00	.00	6.82
032	13.07	5.01	10.74	.00	4.78	7.45
033	12.56	2.20	10.96	.00	.00	6.52
034	13.15	8.76	10.25	.00	.00	6.11
035	11.96	.62	.00	.00	58.21	58.16
036	11.78	3.90	.00	.00	4.33	5.01
037	12.05	4.74	17.93	.00	.00	5.16
120	4.94	15.21	264.09	.00	786.43	969.02
130	5.51	11.45	.00	.00	785.37	786.43
132	5.98	12.27	.00	.00	785.14	785.37
134	6.22	10.18	.00	.00	784.97	785.14
136	7.25	6.83	118.43	.00	725.70	784.97
140	8.18	2.95	.00	.00	523.42	523.60
146	10.74	2.91	.00	.00	523.42	523.42

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 100 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	11.18	3.28	149.45	.00	457.19	523.42
149	11.18	.95	.00	.00	369.11	369.52
150	11.22	.88	.00	.00	368.76	369.11
151	11.23	6.76	.00	.00	366.81	368.76
152	11.30	3.07	.00	.00	366.07	366.81
154	11.96	2.22	.00	.00	366.02	366.07
156	12.91	9.01	.00	.00	366.15	366.02
158	13.04	11.68	74.05	.00	340.74	366.15
612	7.46	.76	.00	.00	218.52	218.40
618	8.66	1.23	.00	.00	218.80	218.52
624	9.12	2.33	.00	.00	219.08	218.80
626	9.56	10.43	.00	.00	220.26	219.08
628	10.24	2.15	.00	.00	167.79	167.62
630	10.47	.67	.00	.00	167.83	167.79
632	11.26	.87	63.47	.00	91.71	98.62
640	12.10	20.92	91.43	.00	79.29	91.71
710	13.04	1.30	.00	.00	.00	1.46
718	12.00	4.59	.00	.00	148.83	105.47
720	12.05	5.23	19.69	.00	105.67	148.83
722	12.13	1.93	.00	.00	89.66	105.67
732	12.23	3.38	8.83	.00	84.47	89.66
734	12.36	3.52	9.72	.00	70.00	75.07
736	12.44	4.42	.00	.00	73.22	73.68
738	12.39	2.65	23.88	.00	.00	1.88
740	12.14	51.25	82.30	.00	32.65	57.31
FC-01	16.75	2.96	12.13	.00	1.40	11.65
FC-02	16.21	23.55	53.96	.00	13.61	31.87
FC-03	17.37	9.98	14.66	.00	.00	8.11
FC-04	17.37	14.19	22.73	.00	3.17	12.74
FC-05	16.09	63.08	110.27	.00	90.88	130.33
FC-06	16.43	56.50	97.14	.00	7.02	73.62
FC-07	16.43	35.41	61.18	.00	8.47	46.42
FC-08	16.24	10.46	25.06	.00	46.42	58.42
FC-09	15.98	31.42	64.96	.00	180.29	216.48
FC-10	16.54	53.42	60.84	.00	.00	22.99
FC-11	16.54	49.84	45.54	.00	22.99	13.40
FC-12	16.88	16.64	23.28	.00	.00	15.73
FC-13	16.54	27.02	20.89	.00	13.40	3.40
FC-14	15.50	9.54	28.09	.00	3.40	23.53
FC-15	16.39	4.82	10.72	.00	.00	10.37
FC-16	15.63	32.94	67.90	.00	216.47	251.09
FC-17	15.21	17.20	23.40	.00	251.09	256.64
FC-18	15.14	24.25	30.97	.00	272.20	284.88
FC-19	15.15	10.11	20.06	.00	10.37	21.80

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 3 - 100 YEAR)
 11-06-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-20	15.10	22.45	29.69	.00	34.06	49.84
FC-21	15.11	15.69	66.10	.00	.00	62.16
FC-22	14.92	23.92	22.47	.00	49.84	61.21
FC-23A	15.05	6.21	.00	.00	181.27	181.56
FC-23B	14.89	16.98	63.87	.00	218.52	237.32
FC-25	14.68	19.86	33.78	.00	.00	10.23
FC-28	14.77	14.98	26.80	.00	49.77	70.50
FC-29	14.03	10.21	31.97	.00	14.25	36.26
FC-30	14.02	8.04	19.76	.00	56.27	67.28
FC-31	12.97	4.93	40.33	.00	103.29	119.88
FC-02B	16.11	.21	.00	.00	31.87	31.88
FC-05B	16.07	.16	.00	.00	130.33	130.34
FC-09B	15.81	1.53	.00	.00	216.48	216.47
FC-17B	15.18	.15	.00	.00	256.64	256.62
FC-18A	15.03	.76	.00	.00	52.57	52.56
FC-18B	14.48	.76	.00	.00	52.56	52.55
FC-18C	14.09	.80	.00	.00	51.12	51.15
FC-18D	13.80	1.60	.00	.00	103.63	103.67
FC-18CX	15.06	.13	.00	.00	51.14	51.12

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1260.11	.00	.00	783.44	.00
001	11.35	1.87	34.34	.00	.00	25.30
002	12.13	5.25	37.95	.00	7.89	12.25
003	12.18	.52	4.37	.00	7.36	7.89
004	12.12	3.94	35.37	.00	12.25	24.23
005	12.38	3.26	10.12	.00	3.42	4.13
006	12.09	5.84	22.00	.00	8.51	8.42
008	11.77	3.65	19.60	.00	16.13	27.43
009	11.85	1.11	15.58	.00	11.80	15.64
010	11.94	2.74	27.67	.00	.00	13.90
011	12.03	3.27	18.89	.00	.00	4.80
012	11.94	12.76	36.73	.00	32.27	41.65
013	11.82	2.85	23.81	.00	48.87	57.42
014	11.63	1.66	7.54	.00	.00	1.88
015	11.39	3.28	20.05	.00	.00	7.51
016	11.38	3.88	32.69	.00	62.11	69.67
017	12.34	3.38	22.15	.00	.00	5.80
018	12.31	2.44	27.73	.00	5.80	15.90
019	11.94	7.02	21.87	.00	18.52	26.82
020	11.62	4.74	27.28	.00	27.43	43.09
021	11.07	2.03	28.56	.00	46.19	53.77
022	11.33	5.11	28.43	.00	52.03	68.03
023	11.55	1.47	20.91	.00	.00	11.02
024	11.58	1.24	4.33	.00	26.82	28.37
025	11.19	3.04	26.14	.00	47.81	60.45
026	12.39	2.48	4.73	.00	.00	4.27
027	12.23	.70	5.17	.00	6.95	7.36
028	12.31	6.24	8.29	.00	.00	6.95
029	12.94	4.03	4.41	.00	.00	3.42
030	11.85	7.57	11.83	.00	.00	5.00
031	12.32	1.34	5.84	.00	.00	5.52
032	12.35	3.79	8.10	.00	4.27	6.46
033	12.50	2.06	8.27	.00	.00	4.83
034	11.96	4.22	7.68	.00	.00	4.33
035	11.57	.42	.00	.00	59.09	57.78
036	11.37	3.27	.00	.00	.00	2.34
037	11.19	1.90	13.46	.00	.00	5.22
120	4.61	13.45	197.07	.00	602.82	783.44
130	5.06	9.88	.00	.00	603.12	602.82
132	5.45	10.88	.00	.00	602.56	603.12
134	5.63	9.07	.00	.00	602.77	602.56
136	6.49	5.86	88.33	.00	554.68	602.77
140	7.21	2.40	.00	.00	379.82	380.11
146	8.58	2.01	.00	.00	379.75	379.82

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	9.10	2.23	111.43	.00	331.18	379.75
149	9.13	.43	.00	.00	331.09	331.18
150	9.22	.41	.00	.00	331.00	331.09
151	9.25	2.04	.00	.00	330.11	331.00
152	9.80	.91	.00	.00	329.92	330.11
154	11.97	2.24	.00	.00	330.19	329.92
156	12.82	8.39	.00	.00	330.24	330.19
158	12.94	10.66	54.53	.00	312.89	330.24
612	6.86	.64	.00	.00	237.58	237.37
618	8.63	1.22	.00	.00	237.45	237.58
624	9.17	2.41	.00	.00	237.02	237.45
626	9.50	10.29	.00	.00	188.85	190.08
628	9.98	1.98	.00	.00	136.72	137.38
630	10.17	.61	.00	.00	136.60	136.72
632	10.60	.67	47.51	.00	57.01	67.13
640	11.19	14.23	68.32	.00	43.65	57.01
710	13.13	.95	.00	.00	72.89	72.85
720	13.18	.97	14.68	.00	65.17	72.89
722	13.19	2.52	.00	.00	65.10	65.17
732	13.22	4.41	6.43	.00	62.79	65.10
734	13.28	5.11	7.08	.00	59.38	61.33
736	13.30	6.11	.00	.00	60.14	59.38
738	13.31	3.53	18.17	.00	.00	22.89
740	11.21	24.11	61.42	.00	25.30	42.04
FC-01	16.72	2.81	9.09	.00	.24	8.66
FC-02	15.94	16.24	40.96	.00	8.66	23.00
FC-03	17.33	9.24	10.99	.00	.00	5.93
FC-04	17.32	12.96	16.79	.00	3.17	8.59
FC-05	15.83	48.36	81.72	.00	65.12	91.87
FC-06	16.40	54.37	73.68	.00	5.03	48.66
FC-07	16.35	32.27	45.48	.00	4.36	33.73
FC-08	16.18	9.56	19.02	.00	33.73	41.21
FC-09	15.74	25.46	48.12	.00	131.99	158.04
FC-10	16.36	43.35	45.67	.00	.00	19.31
FC-11	16.36	42.67	34.46	.00	19.31	9.88
FC-12	16.84	16.15	17.46	.00	.00	8.87
FC-13	16.36	22.59	15.44	.00	9.88	.27
FC-14	15.46	8.97	20.88	.00	.27	15.92
FC-15	16.33	4.45	7.97	.00	.00	6.25
FC-16	15.47	28.23	50.46	.00	158.04	182.34
FC-17	14.71	10.98	17.45	.00	182.34	186.42
FC-18	14.63	16.57	22.77	.00	195.49	203.68
FC-19	14.68	6.37	15.01	.00	6.25	15.49
FC-20	15.07	21.83	22.32	.00	23.16	33.51

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-21	15.07	13.75	46.80	.00	.00	41.92
FC-22	14.89	23.52	17.38	.00	33.51	40.31
FC-23A	14.54	3.92	.00	.00	121.51	122.00
FC-23B	14.33	9.22	47.80	.00	148.07	157.88
FC-25	14.61	18.00	24.99	.00	.00	3.46
FC-28	14.74	14.42	19.61	.00	33.75	46.33
FC-29	14.01	9.53	23.57	.00	10.40	24.32
FC-30	13.94	7.16	14.75	.00	35.93	42.89
FC-31	13.35	14.22	29.85	.00	67.10	58.23
FC-02B	15.84	.19	.00	.00	23.00	23.01
FC-05B	15.80	.15	.00	.00	91.87	91.87
FC-09B	15.59	1.44	.00	.00	158.04	158.04
FC-17B	14.68	.10	.00	.00	186.42	186.40
FC-18A	14.53	.61	.00	.00	37.21	37.20
FC-18B	14.05	.59	.00	.00	37.20	37.21
FC-18C	13.80	.71	.00	.00	45.00	44.99
FC-18D	13.51	1.40	.00	.00	82.19	82.23
FC-18CX	14.55	.12	.00	.00	45.00	45.00

ALTERNATIVE 2

100 YEAR ROUTING OUTPUT

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1729.25	.00	.00	990.47	.00
001	11.73	2.40	45.10	.00	.00	32.74
002	12.94	7.20	49.63	.00	9.25	13.71
003	12.89	.69	5.73	.00	8.36	9.25
004	12.94	5.19	46.82	.00	13.71	30.37
005	13.10	4.23	13.22	.00	4.74	5.11
006	12.92	7.41	28.90	.00	9.91	10.07
008	12.35	4.92	25.77	.00	20.19	33.37
009	12.44	1.47	20.36	.00	15.86	21.42
010	12.74	3.90	36.48	.00	.00	17.20
011	12.83	4.56	24.80	.00	.00	5.49
012	12.71	17.87	48.00	.00	41.00	44.58
013	12.57	3.97	31.02	.00	51.20	60.79
014	12.36	2.23	9.95	.00	.00	2.06
015	12.07	4.56	26.40	.00	.00	9.25
016	12.06	5.21	43.09	.00	65.62	74.45
017	13.00	4.73	28.85	.00	.00	6.39
018	12.97	3.43	36.49	.00	6.39	17.85
019	12.41	8.20	28.81	.00	21.09	30.70
020	12.15	5.89	36.02	.00	33.37	51.64
021	11.35	2.32	37.50	.00	54.82	66.73
022	11.72	5.95	37.53	.00	63.19	83.70
023	12.09	2.02	27.53	.00	.00	14.37
024	11.95	1.42	5.72	.00	30.70	32.27
025	11.49	3.46	34.52	.00	55.89	73.11
026	12.52	2.63	6.21	.00	.00	5.25
027	12.96	.92	6.68	.00	7.85	8.36
028	13.04	9.59	11.12	.00	.00	7.85
029	13.11	4.40	5.88	.00	.00	4.74
030	12.38	9.41	15.79	.00	.00	5.00
031	12.48	1.43	7.79	.00	.00	7.37
032	12.49	4.02	10.74	.00	5.25	8.49
033	12.71	2.56	10.96	.00	.00	6.52
034	12.42	5.94	10.25	.00	.00	7.59
035	12.29	.46	.00	.00	62.74	62.71
036	12.04	4.32	.00	.00	.00	3.07
037	11.66	3.43	17.93	.00	.00	5.24
120	4.98	15.45	264.09	.00	820.74	990.47
130	5.57	11.69	.00	.00	820.20	820.74
132	6.07	12.53	.00	.00	820.44	820.20
134	6.31	10.36	.00	.00	820.24	820.44
136	7.38	7.02	118.43	.00	765.49	820.24
140	8.34	3.06	.00	.00	552.83	553.07
146	10.98	3.06	.00	.00	552.81	552.83

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
148	11.43	3.50	149.45	.00	484.27	552.81
149	11.44	1.06	.00	.00	484.00	484.27
150	11.49	.99	.00	.00	483.87	484.00
151	11.50	7.58	.00	.00	482.68	483.87
152	11.59	3.88	.00	.00	482.35	482.68
154	12.27	3.19	.00	.00	482.62	482.35
156	13.18	10.88	.00	.00	482.81	482.62
158	13.34	14.04	74.05	.00	454.66	482.81
612	7.58	.78	.00	.00	269.28	268.49
618	9.32	1.45	.00	.00	270.17	269.28
624	9.79	2.83	.00	.00	271.55	270.17
626	10.06	11.80	.00	.00	214.61	212.95
628	10.49	2.32	.00	.00	153.94	154.49
630	10.65	.71	.00	.00	153.82	153.94
632	11.19	.85	63.47	.00	69.26	79.50
640	11.70	17.83	91.43	.00	53.68	69.26
710	13.61	1.07	.00	.00	106.80	106.89
720	13.71	1.06	19.69	.00	97.11	106.80
722	13.73	2.82	.00	.00	96.83	97.11
732	13.78	4.98	8.83	.00	93.66	96.83
734	13.86	6.38	9.72	.00	82.23	85.34
736	13.89	7.62	.00	.00	82.51	82.23
738	13.90	4.11	23.88	.00	.00	23.92
740	11.72	37.73	82.30	.00	32.74	52.10
FC-01	16.75	2.96	12.13	.00	1.40	11.65
FC-02	16.21	23.56	53.96	.00	13.61	31.94
FC-03	17.37	9.98	14.66	.00	.00	8.11
FC-04	17.37	14.19	22.73	.00	3.17	12.74
FC-05	16.09	63.08	110.27	.00	90.86	131.01
FC-06	16.43	56.50	97.14	.00	7.02	73.62
FC-07	16.43	35.41	61.18	.00	8.47	46.42
FC-08	16.24	10.46	25.06	.00	46.42	58.42
FC-09	15.98	31.41	64.96	.00	180.68	217.07
FC-10	16.54	53.42	60.84	.00	.00	22.99
FC-11	16.54	49.83	45.54	.00	22.99	13.40
FC-12	16.88	16.64	23.28	.00	.00	15.73
FC-13	16.54	27.02	20.89	.00	13.40	3.40
FC-14	15.50	9.54	28.09	.00	3.40	23.53
FC-15	16.39	4.82	10.72	.00	.00	9.63
FC-16	15.63	32.86	67.90	.00	217.08	252.42
FC-17	15.14	16.14	23.40	.00	252.42	261.09
FC-18	15.07	22.60	30.97	.00	277.30	291.66
FC-19	15.09	9.45	20.06	.00	9.63	21.73
FC-20	15.10	22.45	29.69	.00	34.06	49.84

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 2 - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-21	15.11	15.69	66.10	.00	.00	62.16
FC-22	14.92	23.92	22.47	.00	49.84	61.21
FC-23A	14.97	5.69	.00	.00	195.00	195.28
FC-23B	14.76	13.83	63.87	.00	235.41	255.85
FC-25	14.72	20.90	33.78	.00	.00	8.75
FC-28	14.77	14.98	26.80	.00	49.77	70.50
FC-29	14.03	10.21	31.97	.00	14.25	36.26
FC-30	14.02	8.04	19.76	.00	56.27	67.28
FC-31	13.93	29.35	40.33	.00	103.29	80.02
FC-02B	16.11	.21	.00	.00	31.94	31.96
FC-05B	16.07	.16	.00	.00	131.01	131.01
FC-09B	15.81	1.53	.00	.00	217.07	217.08
FC-17B	15.11	.14	.00	.00	261.09	261.09
FC-18A	14.96	.74	.00	.00	48.91	48.89
FC-18B	14.47	.75	.00	.00	48.89	48.89
FC-18C	14.14	.82	.00	.00	48.22	47.93
FC-18D	13.91	1.68	.00	.00	96.70	96.77
FC-18CX	14.99	.13	.00	.00	48.25	48.22

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

REACH SUMMARY

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INDEX	RCHNAME	FRMNODE	TONODE	REACH TYPE
1	029	029	005	TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
2	031	031	009	TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
3	032	032	009	TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
4	033	033	012	TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
5	034	034	019	TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
6	FC-01	FC-01	FC-02	RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
7	146	146	140	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
8	617	618	612	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
9	FC-02A	FC-02	FC-02B	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
10	FC-05A	FC-05	FC-05B	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
11	FC-06A	FC-06	FC-05	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
12	FC-06C	FC-06	FC-07	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
13	FC-07	FC-07	FC-08	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
14	FC-08A	FC-08	FC-09	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
15	FC-14A	FC-14	FC-20	RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
16	FC-14B	FC-14	FC-19	RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
17	FC-08B	FC-08	FC-09	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
18	FC-09	FC-09	FC-09B	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
19	FC-10A	FC-10	FC-11	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
20	FC-16B	FC-16	FC-17	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
21	FC-17	FC-17	FC-17B	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
22	FC-18	FC-18	FC-18A	RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
23	FC-17B	FC-17B	FC-18	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
24	FC-18CX	FC-18	FC-18CX	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
25	FC-18F	FC-18	FC-23A	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
26	FC-18G	FC-18	FC-23A	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
27	FC-19	FC-19	FC-18	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
28	FC-20	FC-20	FC-22	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
29	FC-21B	FC-21	FC-28	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
30	FC-28B	FC-28	FC-30	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
31	FC-29A	FC-29	FC-31	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
32	FC-22	FC-22	FC-23B	RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
33	FC-29B	FC-29	FC-30	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
34	FC-30	FC-30	FC-31	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
35	FC-31	FC-31	736	IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
36	002	002	003	CULVERT, CIRCULAR w/ ROADWAY
37	003	003	027	CULVERT, CIRCULAR w/ ROADWAY
38	010	010	013	CULVERT, CIRCULAR w/ ROADWAY
39	011	011	012	CULVERT, CIRCULAR w/ ROADWAY
40	012	012	013	CULVERT, CIRCULAR w/ ROADWAY
41	017	017	018	CULVERT, CIRCULAR w/ ROADWAY
42	026	026	032	CULVERT, CIRCULAR w/ ROADWAY
43	028	028	736	CULVERT, CIRCULAR w/ ROADWAY
44	035	035	016	CULVERT, CIRCULAR w/ ROADWAY
45	037	037	640	CULVERT, CIRCULAR w/ ROADWAY
46	143	146	140	CULVERT, CIRCULAR w/ ROADWAY
47	144	146	140	CULVERT, CIRCULAR w/ ROADWAY
48	145	146	140	CULVERT, CIRCULAR w/ ROADWAY
49	614	618	612	CULVERT, CIRCULAR w/ ROADWAY
50	615	618	612	CULVERT, CIRCULAR w/ ROADWAY

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

REACH SUMMARY

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INDEX	RCHNAME	FRMNODE	TONODE	REACH TYPE
51	616	618	612	CULVERT, CIRCULAR w/ ROADWAY
52	720	720	710	CULVERT, RECTANGULAR w/ ROADWAY
53	740	740	738	CULVERT, ELLIPTICAL w/ ROADWAY
54	FC-18CX1	FC-18CX	FC-18C	CULVERT, CIRCULAR w/ ROADWAY
55	FC-18CX2	FC-18CX	FC-18C	CULVERT, CIRCULAR w/ ROADWAY
56	FC-21	FC-21	FC-20	CULVERT, CIRCULAR w/ ROADWAY
57	001	001	740	DROP STRUCTURE w/ ELLP. CULVERT
58	004	004	734	DROP STRUCTURE w/ CIRC. CULVERT
59	005	005	006	DROP STRUCTURE w/ ELLP. CULVERT
60	006	006	732	DROP STRUCTURE w/ CIRC. CULVERT
61	008	008	006	DROP STRUCTURE w/ CIRC. CULVERT
62	009	009	008	DROP STRUCTURE w/ CIRC. CULVERT
63	013	013	035	DROP STRUCTURE w/ CIRC. CULVERT
64	014	014	035	DROP STRUCTURE w/ CIRC. CULVERT
65	015	015	016	DROP STRUCTURE w/ CIRC. CULVERT
66	016	016	630	DROP STRUCTURE w/ CIRC. CULVERT
67	018	018	019	DROP STRUCTURE w/ CIRC. CULVERT
68	019	019	024	DROP STRUCTURE w/ CIRC. CULVERT
69	020	020	022	DROP STRUCTURE w/ CIRC. CULVERT
70	021	021	022	DROP STRUCTURE w/ CIRC. CULVERT
71	022	022	025	DROP STRUCTURE w/ CIRC. CULVERT
72	023	023	022	DROP STRUCTURE w/ CIRC. CULVERT
73	024	024	025	DROP STRUCTURE w/ CIRC. CULVERT
74	025	025	626	DROP STRUCTURE w/ CIRC. CULVERT
75	027	027	736	DROP STRUCTURE w/ ELLP. CULVERT
76	030	030	006	DROP STRUCTURE w/ CIRC. CULVERT
77	036	036	016	DROP STRUCTURE w/ ELLP. CULVERT
78	632	632	630	DROP STRUCTURE w/ CIRC. CULVERT
79	FC-02	FC-02	FC-02B	DROP STRUCTURE w/ CIRC. CULVERT
80	FC-05	FC-05	FC-05B	DROP STRUCTURE w/ CIRC. CULVERT
81	FC-16A	FC-16	FC-17	DROP STRUCTURE w/ CIRC. CULVERT
82	FC-18E	FC-18	FC-23A	DROP STRUCTURE w/ CIRC. CULVERT
83	120	120	000	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
84	130	130	120	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
85	132	132	130	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
86	134	134	132	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
87	136	136	134	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
88	140	140	136	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
89	148	148	146	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
90	149	149	148	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
91	150	150	149	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
92	151	151	150	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
93	152	152	151	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
94	154	154	152	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
95	156	156	154	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
96	158	158	156	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
97	612	612	136	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
98	624	624	618	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
99	626	626	624	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
100	628	628	626	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

REACH SUMMARY

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INDEX	RCHNAME	FRMNODE	TONODE	REACH TYPE
101	630	630	628	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
102	640	640	632	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
103	650	740	640	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
104	710	710	158	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
105	FC-03A	FC-03	FC-02	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
106	FC-03B	FC-03	FC-04	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
107	FC-03C	FC-03	FC-01	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
108	FC-04A	FC-04	FC-06	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
109	FC-04B	FC-04	FC-05	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
110	FC-06B	FC-06	FC-05	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
111	FC-10B	FC-10	FC-09	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
112	FC-10C	FC-10	FC-08	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
113	FC-11	FC-11	FC-13	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
114	FC-12A	FC-12	FC-11	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
115	FC-12B	FC-12	FC-13	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
116	FC-12C	FC-12	FC-14	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
117	FC-12D	FC-12	FC-15	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
118	FC-13	FC-13	FC-14	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
119	722	722	720	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
120	732	732	722	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
121	FC-15	FC-15	FC-19	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
122	FC-25	FC-25	732	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
123	FC-28A	FC-28	FC-29	TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
124	734	734	732	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
125	736	736	734	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
126	738	738	736	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
127	FC-02B	FC-02B	FC-05	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
128	FC-05B	FC-05B	FC-09	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
129	FC-09B	FC-09B	FC-16	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
130	FC-18A	FC-18A	FC-18B	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
131	FC-18B	FC-18B	FC-18D	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
132	FC-18C	FC-18C	FC-18D	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
133	FC-18D	FC-18D	158	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
134	FC-23A	FC-23A	FC-23B	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
135	FC-23B	FC-23B	158	IRREGULAR SECTION CHANNEL, MOMENTUM EQ.

ALTERNATIVE 1
25 YEAR ROUTING OUTPUT

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT

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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1230.04	.00	.00	744.31	.00
001	11.60	2.21	34.34	.00	.00	25.29
002	11.98	4.89	37.95	.00	.00	25.34
003	12.16	.52	4.37	.00	4.80	5.80
004	11.96	3.59	35.37	.00	25.34	35.89
005	12.11	2.88	10.12	.00	3.42	5.00
006	12.11	5.88	22.00	.00	10.14	6.88
008	12.21	4.54	19.60	.00	19.93	17.23
009	12.25	1.27	15.58	.00	11.80	19.93
010	11.65	2.34	27.67	.00	.00	15.22
011	11.74	2.79	18.89	.00	.00	5.19
012	11.65	10.84	36.73	.00	31.39	40.61
013	11.54	2.23	23.81	.00	44.99	53.10
014	11.23	1.35	7.54	.00	.00	1.88
015	11.45	3.39	20.05	.00	.00	2.73
016	11.12	3.40	32.69	.00	58.21	65.92
017	12.44	3.58	22.15	.00	.00	4.69
018	12.43	2.61	27.73	.00	4.69	20.28
019	12.34	8.01	21.87	.00	22.68	15.44
020	12.17	5.88	27.28	.00	12.80	18.55
021	12.08	3.07	28.56	.00	.00	14.25
022	12.08	6.72	28.43	.00	26.61	32.42
023	12.11	1.99	20.91	.00	.00	11.39
024	12.21	1.44	4.33	.00	15.44	16.28
025	11.80	3.86	26.14	.00	45.40	50.86
026	12.39	2.48	4.73	.00	.00	4.27
027	12.26	.70	5.17	.00	5.80	8.14
028	12.30	6.22	8.29	.00	.00	5.48
029	12.94	4.03	4.41	.00	.00	3.42
030	11.97	8.02	11.83	.00	.00	5.00
031	12.32	1.34	5.84	.00	.00	5.52
032	12.35	3.79	8.10	.00	4.27	6.46
033	12.50	2.06	8.27	.00	.00	4.83
034	12.34	5.64	7.68	.00	.00	4.37
035	11.28	.59	.00	.00	51.93	51.90
036	11.12	2.87	.00	.00	3.38	5.01
037	11.54	3.03	13.46	.00	.00	5.23
120	4.53	13.14	197.07	.00	580.56	744.31
130	4.96	9.62	.00	.00	579.34	580.56
132	5.33	10.59	.00	.00	580.22	579.34
134	5.50	8.85	.00	.00	580.96	580.22
136	6.36	5.69	88.33	.00	538.53	580.96
140	7.09	2.34	.00	.00	355.42	355.84
146	8.30	1.91	.00	.00	355.93	355.42

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT

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NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
148	8.82	2.12	111.43	.00	298.98	355.93
149	8.82	.40	.00	.00	188.40	188.68
150	8.86	.38	.00	.00	188.16	188.40
151	8.87	1.63	.00	.00	184.78	188.16
152	9.21	.54	.00	.00	183.98	184.78
154	11.01	.78	.00	.00	184.09	183.98
156	12.17	4.62	.00	.00	185.20	184.09
158	12.27	6.42	54.53	.00	185.89	185.20
612	6.62	.60	.00	.00	192.68	191.29
618	7.81	.97	.00	.00	191.13	192.68
624	8.41	1.89	.00	.00	191.28	191.13
626	8.99	8.91	.00	.00	191.76	191.28
628	9.72	1.82	.00	.00	142.35	142.32
630	9.97	.57	.00	.00	142.37	142.35
632	10.58	.67	47.51	.00	73.29	78.53
640	11.54	16.70	68.32	.00	65.37	73.29
710	12.17	1.24	.00	.00	9.73	32.00
718	12.06	4.66	.00	.00	156.11	120.15
720	12.13	5.53	14.68	.00	60.81	85.12
722	12.19	1.96	.00	.00	53.99	60.81
732	12.19	3.34	6.43	.00	39.96	53.99
734	12.22	3.39	7.08	.00	37.96	41.64
736	12.30	4.26	.00	.00	70.84	53.71
738	12.23	2.53	18.17	.00	.52	5.81
740	11.59	34.21	61.42	.00	25.29	34.53
FC-01	16.72	2.81	9.09	.00	.24	8.66
FC-02	15.94	16.23	40.96	.00	8.66	23.05
FC-03	17.33	9.24	10.99	.00	.00	5.93
FC-04	17.32	12.96	16.79	.00	3.17	8.59
FC-05	15.83	48.33	81.72	.00	65.12	92.03
FC-06	16.40	54.37	73.68	.00	5.03	48.66
FC-07	16.35	32.27	45.48	.00	4.36	33.73
FC-08	16.18	9.56	19.02	.00	33.73	41.21
FC-09	15.74	25.43	48.12	.00	132.18	158.24
FC-10	16.36	43.35	45.67	.00	.00	19.31
FC-11	16.36	42.67	34.46	.00	19.31	9.88
FC-12	16.84	16.15	17.46	.00	.00	8.87
FC-13	16.36	22.59	15.44	.00	9.88	.27
FC-14	15.46	8.97	20.88	.00	.27	15.92
FC-15	16.33	4.45	7.97	.00	.00	6.25
FC-16	15.47	28.16	50.46	.00	158.23	182.74
FC-17	14.66	10.42	17.45	.00	182.74	187.91
FC-18	14.57	15.78	22.77	.00	197.96	206.59
FC-19	14.63	6.02	15.01	.00	6.25	15.49

FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-20	15.07	21.83	22.32	.00	23.16	33.51
FC-21	15.07	13.75	46.80	.00	.00	41.92
FC-22	14.89	23.52	17.38	.00	33.51	40.31
FC-23A	14.47	3.65	.00	.00	121.73	121.98
FC-23B	14.19	7.72	47.80	.00	149.54	160.24
FC-25	14.60	17.74	24.99	.00	.00	3.96
FC-28	14.74	14.42	19.61	.00	33.75	46.33
FC-29	14.01	9.53	23.57	.00	10.40	24.32
FC-30	13.94	7.16	14.75	.00	35.93	42.89
FC-31	12.77	2.88	29.85	.00	67.10	77.18
FC-02B	15.84	.19	.00	.00	23.05	23.07
FC-05B	15.80	.15	.00	.00	92.03	92.03
FC-09B	15.59	1.44	.00	.00	158.24	158.23
FC-17B	14.62	.09	.00	.00	187.91	187.90
FC-18A	14.47	.59	.00	.00	36.85	36.85
FC-18B	13.91	.54	.00	.00	36.85	36.85
FC-18C	13.62	.66	.00	.00	48.01	48.02
FC-18D	13.19	1.21	.00	.00	84.86	84.92
FC-18CX	14.48	.11	.00	.00	48.01	48.01

ALTERNATIVE 1
100 YEAR ROUTING OUTPUT

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	INFLW OFFSITE (cfs)	OUTFLOW (cfs)
000	3.64	1690.19	.00	.00
001	12.25	3.12	45.10	.00
002	12.47	6.06	49.63	.00
003	12.52	.60	5.73	.00
004	12.45	4.34	46.82	.00
005	12.83	3.86	13.22	.00
006	12.59	6.78	28.90	.00
008	13.04	6.36	25.77	.00
009	13.07	1.76	20.36	.00
010	12.38	3.38	36.48	.00
011	12.45	3.94	24.80	.00
012	12.28	15.05	48.00	.00
013	12.18	3.14	31.02	.00
014	11.95	1.91	9.95	.00
015	12.00	4.41	26.40	.00
016	11.79	4.69	43.09	.00
017	13.24	5.22	28.85	.00
018	13.23	3.82	36.49	.00
019	13.15	10.08	28.81	.00
020	13.01	7.69	36.02	.00
021	12.92	3.96	37.50	.00
022	12.91	8.51	37.53	.00
023	12.96	2.86	27.53	.00
024	13.05	1.83	5.72	.00
025	12.55	4.89	34.52	.00
026	13.09	3.25	6.21	.00
027	12.55	.79	6.68	.00
028	12.64	7.77	11.12	.00
029	12.99	4.10	5.88	.00
030	12.32	9.21	15.79	.00
031	13.08	1.80	7.79	.00
032	13.08	5.02	10.74	.00
033	12.56	2.20	10.96	.00
034	13.15	8.77	10.25	.00
035	11.97	.62	.00	.00
036	11.79	3.92	.00	.00
037	12.14	5.13	17.93	.00
120	4.96	15.31	264.09	.00
130	5.50	11.40	.00	.00
132	5.96	12.20	.00	.00
134	6.19	10.13	.00	.00
136	7.21	6.78	118.43	.00
140	8.10	2.90	.00	.00
146	10.44	2.73	.00	.00

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	10.88	3.06	149.45	.00	416.62	494.46
149	10.89	.83	.00	.00	244.23	244.98
150	10.91	.76	.00	.00	243.47	244.23
151	10.91	5.80	.00	.00	237.88	243.47
152	10.95	2.35	.00	.00	235.03	237.88
154	11.49	1.34	.00	.00	234.67	235.03
156	12.55	6.69	.00	.00	234.58	234.67
158	12.65	8.63	74.05	.00	208.51	234.58
612	7.43	.75	.00	.00	219.72	219.64
618	8.67	1.24	.00	.00	219.85	219.72
624	9.14	2.34	.00	.00	219.99	219.85
626	9.57	10.48	.00	.00	220.95	219.99
628	10.26	2.16	.00	.00	168.81	168.59
630	10.49	.67	.00	.00	168.82	168.81
632	11.30	.89	63.47	.00	97.04	102.75
640	12.19	21.84	91.43	.00	86.78	97.04
710	12.45	1.32	.00	.00	9.73	11.57
718	12.30	4.94	.00	.00	178.63	178.61
720	12.36	5.84	19.69	.00	69.86	90.09
722	12.38	2.05	.00	.00	70.22	69.86
732	12.43	3.55	8.83	.00	65.48	70.22
734	12.51	3.65	9.72	.00	57.33	57.08
736	12.55	4.55	.00	.00	72.11	58.47
738	12.48	2.72	23.88	.00	.09	33.72
740	12.24	55.38	82.30	.00	32.66	53.81
FC-01	16.75	2.96	12.13	.00	1.40	11.65
FC-02	16.21	23.55	53.96	.00	13.61	31.86
FC-03	17.37	9.98	14.66	.00	.00	8.11
FC-04	17.37	14.19	22.73	.00	3.17	12.75
FC-05	16.09	63.02	110.27	.00	90.90	130.24
FC-06	16.43	56.50	97.14	.00	7.02	73.62
FC-07	16.43	35.41	61.18	.00	8.47	46.42
FC-08	16.24	10.46	25.06	.00	46.42	58.42
FC-09	15.98	31.39	64.96	.00	180.48	216.77
FC-10	16.54	53.42	60.84	.00	.00	22.99
FC-11	16.54	49.83	45.54	.00	22.99	13.40
FC-12	16.88	16.64	23.28	.00	.00	15.73
FC-13	16.54	27.02	20.89	.00	13.40	3.40
FC-14	15.50	9.54	28.09	.00	3.40	23.53
FC-15	16.39	4.82	10.72	.00	.00	9.86
FC-16	15.63	32.88	67.90	.00	216.77	251.39
FC-17	15.21	17.31	23.40	.00	251.39	253.71
FC-18	15.15	24.45	30.97	.00	267.43	274.98
FC-19	15.16	10.18	20.06	.00	9.86	21.85

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FOX CREEK DRAINAGE STUDY (ALTERNATIVE 1 - 100 YEAR)
 10-26-94

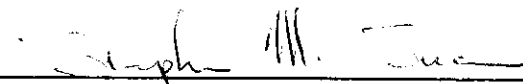
NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-20	15.10	22.45	29.69	.00	34.06	49.84
FC-21	15.11	15.69	66.10	.00	.00	62.16
FC-22	14.94	24.28	22.47	.00	49.84	61.21
FC-23A	15.07	6.35	.00	.00	168.03	166.76
FC-23B	14.93	18.45	63.87	.00	203.00	209.99
FC-25	14.69	19.98	33.78	.00	.00	10.04
FC-28	14.77	14.98	26.80	.00	49.77	70.50
FC-29	14.03	10.21	31.97	.00	14.25	36.26
FC-30	14.02	8.04	19.76	.00	56.27	67.28
FC-31	12.97	4.93	40.33	.00	103.29	119.88
FC-02B	16.10	.21	.00	.00	31.86	31.87
FC-05B	16.07	.16	.00	.00	130.24	130.26
FC-09B	15.81	1.53	.00	.00	216.77	216.77
FC-17B	15.19	.15	.00	.00	253.71	253.66
FC-18A	15.04	.76	.00	.00	53.94	53.94
FC-18B	14.45	.74	.00	.00	53.94	53.94
FC-18C	14.00	.78	.00	.00	53.43	53.47
FC-18D	13.65	1.50	.00	.00	107.41	107.45
FC-18CX	15.06	.13	.00	.00	53.43	53.43

ALTERNATIVE 2

25 YEAR ROUTING OUTPUT

THIS IS TO CERTIFY THAT THE ENCLOSED ENGINEERING CALCULATIONS WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION.



STEPHEN M. SUAU, P.E. #36309

DATE: 11/11/94

FOX CREEK 25-YR NODE	EXIST. WSEL (NGVD)	ALT. 1 WSEL (NGVD)	DIFF. (FT)	ALT. 2 WSEL (NGVD)	DIFF. (FT)	ALT. 3 WSEL (NGVD)	DIFF. (FT)
0	3.64	3.64	0.00	3.64	0.00	3.64	0.00
1	11.98	11.60	-0.38	11.35	-0.63	11.50	-0.48
2	12.71	11.98	-0.73	12.13	-0.58	11.88	-0.83
3	12.67	12.16	-0.51	12.18	-0.49	11.99	-0.68
4	12.94	11.96	-0.98	12.12	-0.82	11.87	-1.07
5	12.92	12.11	-0.81	12.38	-0.54	11.94	-0.98
6	12.92	12.11	-0.81	12.09	-0.83	11.94	-0.98
8	13.06	12.21	-0.85	11.77	-1.29	12.19	-0.87
9	13.06	12.25	-0.81	11.85	-1.21	12.24	-0.82
10	12.69	11.65	-1.04	11.94	-0.75	11.64	-1.05
11	12.20	11.74	-0.46	12.03	-0.17	11.72	-0.48
12	12.11	11.65	-0.46	11.94	-0.17	11.63	-0.48
13	11.85	11.54	-0.31	11.82	-0.03	11.53	-0.32
14	11.18	11.23	0.05	11.63	0.45	11.22	0.04
15	11.32	11.45	0.13	11.39	0.07	11.44	0.12
16	10.38	11.12	0.74	11.38	1.00	11.11	0.73
17	12.98	12.44	-0.54	12.34	-0.64	12.44	-0.54
18	12.93	12.43	-0.50	12.31	-0.62	12.43	-0.50
19	12.46	12.34	-0.12	11.94	-0.52	12.33	-0.13
20	13.00	12.17	-0.83	11.62	-1.38	12.16	-0.84
21	13.00	12.08	-0.92	11.07	-1.93	12.07	-0.93
22	13.00	12.08	-0.92	11.33	-1.67	12.06	-0.94
23	13.36	12.11	-1.25	11.55	-1.81	12.10	-1.26
24	12.23	12.21	-0.02	11.58	-0.65	12.20	-0.03
25	11.83	11.80	-0.03	11.19	-0.64	11.79	-0.04
26	13.06	12.39	-0.67	12.39	-0.67	12.39	-0.67
27	12.65	12.26	-0.39	12.23	-0.42	12.06	-0.59
28	12.68	12.30	-0.38	12.31	-0.37	12.11	-0.57
29	12.94	12.94	0.00	12.94	0.00	12.94	0.00
30	12.49	11.97	-0.52	11.85	-0.64	11.81	-0.68
31	13.06	12.32	-0.74	12.32	-0.74	12.32	-0.74
32	13.06	12.35	-0.71	12.35	-0.71	12.35	-0.71
33	12.50	12.50	0.00	12.50	0.00	12.50	0.00
34	12.46	12.34	-0.12	11.96	-0.50	12.34	-0.12
35	11.04	11.28	0.24	11.57	0.53	11.26	0.22
36	10.38	11.12	0.74	11.37	0.99	11.11	0.73
37	11.89	11.54	-0.35	11.19	-0.70	11.45	-0.44
120	4.42	4.53	0.11	4.61	0.19	4.53	0.11
130	4.78	4.96	0.18	5.06	0.28	4.96	0.18
132	5.10	5.33	0.23	5.45	0.35	5.33	0.23
134	5.26	5.50	0.24	5.63	0.37	5.51	0.25
136	6.08	6.36	0.28	6.49	0.41	6.38	0.30
140	6.81	7.09	0.28	7.21	0.40	7.11	0.30
146	7.87	8.30	0.43	8.58	0.71	8.37	0.50
148	8.41	8.82	0.41	9.10	0.69	8.88	0.47
149	8.43	8.82	0.39	9.13	0.70	8.90	0.47
150	8.54	8.86	0.32	9.22	0.68	8.97	0.43
151	8.57	8.87	0.30	9.25	0.68	8.99	0.42
152	9.40	9.21	-0.19	9.80	0.40	9.49	0.09
154	11.78	11.01	-0.77	11.97	0.19	11.61	-0.17
156	12.71	12.17	-0.54	12.82	0.11	12.68	-0.03
158	12.82	12.27	-0.55	12.94	0.12	12.78	-0.04
612	6.27	6.62	0.35	6.86	0.59	6.63	0.36

618	7.16	7.81	0.65	8.63	1.47	7.81	0.65
624	7.75	8.41	0.66	9.17	1.42	8.41	0.66
626	8.41	8.99	0.58	9.50	1.09	8.99	0.58
628	9.29	9.72	0.43	9.98	0.69	9.71	0.42
630	9.58	9.97	0.39	10.17	0.59	9.97	0.39
632	10.60	10.58	-0.02	10.60	0.00	10.57	-0.03
640	11.91	11.54	-0.37	11.19	-0.72	11.45	-0.46
710	12.87	12.17	-0.70	13.13	0.26	12.78	-0.09
718		12.06				11.80	
720	12.88	12.13	-0.75	13.18	0.30	11.86	-1.02
722	12.90	12.19	-0.71	13.19	0.29	11.91	-0.99
732	12.92	12.19	-0.73	13.22	0.30	11.99	-0.93
734	12.92	12.22	-0.70	13.28	0.36	12.02	-0.90
736	12.65	12.30	-0.35	13.30	0.65	12.09	-0.56
738	12.49	12.23	-0.26	13.31	0.82	12.03	-0.46
740	11.98	11.59	-0.39	11.21	-0.77	11.49	-0.49
FC-1	16.72	16.72	0.00	16.72	0.00	16.72	0.00
FC-2	15.94	15.94	0.00	15.94	0.00	15.94	0.00
FC-2B	15.84	15.84	0.00	15.84	0.00	15.84	0.00
FC-3	17.33	17.33	0.00	17.33	0.00	17.33	0.00
FC-4	17.32	17.32	0.00	17.32	0.00	17.32	0.00
FC-5	15.83	15.83	0.00	15.83	0.00	15.83	0.00
FC-5B	15.80	15.80	0.00	15.80	0.00	15.80	0.00
FC-6	16.40	16.40	0.00	16.40	0.00	16.40	0.00
FC-7	16.35	16.35	0.00	16.35	0.00	16.35	0.00
FC-8	16.18	16.18	0.00	16.18	0.00	16.18	0.00
FC-9	15.74	15.74	0.00	15.74	0.00	15.74	0.00
FC-9B	15.59	15.59	0.00	15.59	0.00	15.59	0.00
FC-10	16.36	16.36	0.00	16.36	0.00	16.36	0.00
FC-11	16.36	16.36	0.00	16.36	0.00	16.36	0.00
FC-12	16.84	16.84	0.00	16.84	0.00	16.84	0.00
FC-13	16.36	16.36	0.00	16.36	0.00	16.36	0.00
FC-14	15.46	15.46	0.00	15.46	0.00	15.46	0.00
FC-15	16.33	16.33	0.00	16.33	0.00	16.33	0.00
FC-16	15.47	15.47	0.00	15.47	0.00	15.47	0.00
FC-17	14.69	14.66	-0.03	14.71	0.02	14.68	-0.01
FC-17B	14.66	14.62	-0.04	14.68	0.02	14.65	-0.01
FC-18	14.61	14.57	-0.04	14.63	0.02	14.60	-0.01
FC-18A	14.51	14.47	-0.04	14.53	0.02	14.50	-0.01
FC-18B	14.01	13.91	-0.10	14.05	0.04	13.99	-0.02
FC-18C	13.75	13.62	-0.13	13.80	0.05	13.74	-0.01
FC-18CX	13.43	13.19	-0.24	13.51	0.08	13.41	-0.02
FC-18D	14.53	14.48	-0.05	14.55	0.02	14.51	-0.02
FC-19	14.66	14.63	-0.03	14.68	0.02	14.65	-0.01
FC-20	15.07	15.07	0.00	15.07	0.00	15.07	0.00
FC-21	15.07	15.07	0.00	15.07	0.00	15.07	0.00
FC-22	14.89	14.89	0.00	14.89	0.00	14.89	0.00
FC-23A	14.51	14.47	-0.04	14.54	0.03	14.50	-0.01
FC-23B	14.28	14.19	-0.09	14.33	0.05	14.25	-0.03
FC-25	14.61	14.60	-0.01	14.61	0.00	14.60	-0.01
FC-28	14.74	14.74	0.00	14.74	0.00	14.74	0.00
FC-29	14.01	14.01	0.00	14.01	0.00	14.01	0.00
FC-30	13.94	13.94	0.00	13.94	0.00	13.94	0.00
FC-31	12.79	12.77	-0.02	13.35	0.56	12.77	-0.02

FOX CREEK 100-YR NODE	EXIST. WSEL (NGVD)	ALT. 1 WSEL (NGVD)	DIFF. (FT)	ALT. 2 WSEL (NGVD)	DIFF. (FT)	ALT. 3 WSEL (NGVD)	DIFF. (FT)
0	3.64	3.64	0.00	3.64	0.00	3.64	0.00
1	12.67	12.25	-0.42	11.73	-0.94	12.15	-0.52
2	13.40	12.47	-0.93	12.94	-0.46	12.37	-1.03
3	13.07	12.52	-0.55	12.89	-0.18	12.42	-0.65
4	13.32	12.45	-0.87	12.94	-0.38	12.36	-0.96
5	13.33	12.83	-0.50	13.10	-0.23	12.80	-0.53
6	13.33	12.59	-0.74	12.92	-0.41	12.53	-0.80
8	13.77	13.04	-0.73	12.35	-1.42	13.03	-0.74
9	13.77	13.07	-0.70	12.44	-1.33	13.06	-0.71
10	13.79	12.38	-1.41	12.74	-1.05	12.37	-1.42
11	12.94	12.45	-0.49	12.83	-0.11	12.43	-0.51
12	12.81	12.28	-0.53	12.71	-0.10	12.27	-0.54
13	12.56	12.18	-0.38	12.57	0.01	12.16	-0.40
14	11.72	11.95	0.23	12.36	0.64	11.94	0.22
15	11.76	12.00	0.24	12.07	0.31	11.99	0.23
16	10.77	11.79	1.02	12.06	1.29	11.78	1.01
17	14.01	13.24	-0.77	13.00	-1.01	13.24	-0.77
18	13.97	13.23	-0.74	12.97	-1.00	13.23	-0.74
19	13.39	13.15	-0.24	12.41	-0.98	13.15	-0.24
20	14.45	13.01	-1.44	12.15	-2.30	13.00	-1.45
21	14.20	12.92	-1.28	11.35	-2.85	12.91	-1.29
22	14.20	12.91	-1.29	11.72	-2.48	12.90	-1.30
23	14.73	12.96	-1.77	12.09	-2.64	12.95	-1.78
24	13.18	13.05	-0.13	11.95	-1.23	13.04	-0.14
25	12.82	12.55	-0.27	11.49	-1.33	12.54	-0.28
26	13.77	13.09	-0.68	12.52	-1.25	13.08	-0.69
27	12.96	12.55	-0.41	12.96	0.00	12.43	-0.53
28	13.01	12.64	-0.37	13.04	0.03	12.54	-0.47
29	13.33	12.99	-0.34	13.11	-0.22	12.99	-0.34
30	12.88	12.32	-0.56	12.38	-0.50	12.21	-0.67
31	13.77	13.08	-0.69	12.48	-1.29	13.07	-0.70
32	13.77	13.08	-0.69	12.49	-1.28	13.07	-0.70
33	12.81	12.56	-0.25	12.71	-0.10	12.56	-0.25
34	13.39	13.15	-0.24	12.42	-0.97	13.15	-0.24
35	11.59	11.97	0.38	12.29	0.70	11.96	0.37
36	10.76	11.79	1.03	12.04	1.28	11.78	1.02
37	12.49	12.14	-0.35	11.66	-0.83	12.05	-0.44
120	4.80	4.96	0.16	4.98	0.18	4.94	0.14
130	5.30	5.50	0.20	5.57	0.27	5.51	0.21
132	5.74	5.96	0.22	6.07	0.33	5.98	0.24
134	5.96	6.19	0.23	6.31	0.35	6.22	0.26
136	6.93	7.21	0.28	7.38	0.45	7.25	0.32
140	7.88	8.10	0.22	8.34	0.46	8.18	0.30
146	10.07	10.44	0.37	10.98	0.91	10.74	0.67
148	10.54	10.88	0.34	11.43	0.89	11.18	0.64
149	10.55	10.89	0.34	11.44	0.89	11.18	0.63
150	10.62	10.91	0.29	11.49	0.87	11.22	0.60
151	10.64	10.91	0.27	11.50	0.86	11.23	0.59
152	10.79	10.95	0.16	11.59	0.80	11.30	0.51
154	12.00	11.49	-0.51	12.27	0.27	11.96	-0.04
156	13.01	12.55	-0.46	13.18	0.17	12.91	-0.10
158	13.15	12.65	-0.50	13.34	0.19	13.04	-0.11
612	7.12	7.43	0.31	7.58	0.46	7.46	0.34

618	8.02	8.67	0.65	9.32	1.30	8.66	0.64
624	8.51	9.14	0.63	9.79	1.28	9.12	0.61
626	9.01	9.57	0.56	10.06	1.05	9.56	0.55
628	9.88	10.26	0.38	10.49	0.61	10.24	0.36
630	10.16	10.49	0.33	10.65	0.49	10.47	0.31
632	11.41	11.30	-0.11	11.19	-0.22	11.26	-0.15
640	12.60	12.19	-0.41	11.70	-0.90	12.10	-0.50
710	13.20	12.45	-0.75	13.61	0.41	13.04	-0.16
718		12.30				12.00	
720	13.24	12.36	-0.88	13.71	0.47	12.05	-1.19
722	13.25	12.38	-0.87	13.73	0.48	12.13	-1.12
732	13.26	12.43	-0.83	13.78	0.52	12.23	-1.03
734	13.26	12.51	-0.75	13.86	0.60	12.36	-0.90
736	12.92	12.55	-0.37	13.89	0.97	12.44	-0.48
738	12.80	12.48	-0.32	13.90	1.10	12.39	-0.41
740	12.67	12.24	-0.43	11.72	-0.95	12.14	-0.53
FC-1	16.75	16.75	0.00	16.75	0.00	16.75	0.00
FC-2	16.21	16.21	0.00	16.21	0.00	16.21	0.00
FC-2B	16.11	16.10	-0.01	16.11	0.00	16.11	0.00
FC-3	17.37	17.37	0.00	17.37	0.00	17.37	0.00
FC-4	17.37	17.37	0.00	17.37	0.00	17.37	0.00
FC-5	16.09	16.09	0.00	16.09	0.00	16.09	0.00
FC-5B	16.07	16.07	0.00	16.07	0.00	16.07	0.00
FC-6	16.43	16.43	0.00	16.43	0.00	16.43	0.00
FC-7	16.43	16.43	0.00	16.43	0.00	16.43	0.00
FC-8	16.24	16.24	0.00	16.24	0.00	16.24	0.00
FC-9	15.98	15.98	0.00	15.98	0.00	15.98	0.00
FC-9B	15.81	15.81	0.00	15.81	0.00	15.81	0.00
FC-10	16.54	16.54	0.00	16.54	0.00	16.54	0.00
FC-11	16.54	16.54	0.00	16.54	0.00	16.54	0.00
FC-12	16.88	16.88	0.00	16.88	0.00	16.88	0.00
FC-13	16.54	16.54	0.00	16.54	0.00	16.54	0.00
FC-14	15.50	15.50	0.00	15.50	0.00	15.50	0.00
FC-15	16.39	16.39	0.00	16.39	0.00	16.39	0.00
FC-16	15.63	15.63	0.00	15.63	0.00	15.63	0.00
FC-17	15.18	15.21	0.03	15.14	-0.04	15.21	0.03
FC-17B	15.15	15.19	0.04	15.11	-0.04	15.18	0.03
FC-18	15.11	15.15	0.04	15.07	-0.04	15.14	0.03
FC-18A	15.00	15.04	0.04	14.96	-0.04	15.03	0.03
FC-18B	14.47	14.45	-0.02	14.47	0.00	14.48	0.01
FC-18C	14.10	14.00	-0.10	14.14	0.04	14.09	-0.01
FC-18CX	13.84	13.65	-0.19	13.91	0.07	13.80	-0.04
FC-18D	15.03	15.06	0.03	14.99	-0.04	15.06	0.03
FC-19	15.13	15.16	0.03	15.09	-0.04	15.15	0.02
FC-20	15.10	15.10	0.00	15.10	0.00	15.10	0.00
FC-21	15.11	15.11	0.00	15.11	0.00	15.11	0.00
FC-22	14.92	14.94	0.02	14.92	0.00	14.92	0.00
FC-23A	15.02	15.07	0.05	14.97	-0.05	15.05	0.03
FC-23B	14.83	14.93	0.10	14.76	-0.07	14.89	0.06
FC-25	14.70	14.69	-0.01	14.72	0.02	14.68	-0.02
FC-28	14.77	14.77	0.00	14.77	0.00	14.77	0.00
FC-29	14.03	14.03	0.00	14.03	0.00	14.03	0.00
FC-30	14.02	14.02	0.00	14.02	0.00	14.02	0.00
FC-31	13.06	12.97	-0.09	13.93	0.87	12.97	-0.09

EXISTING CONDITIONS

2 YEAR HYDROLOGIC INPUT/OUTPUT

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	001	002	003	004	005
NODE NAME	001	002	003	004	005
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	14.70	20.32	1.77	30.25	6.72
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	16.00	22.00	15.00	10.00	26.00
TC (mins)	27.00	42.00	22.00	90.00	64.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
001	14.76	12.18	2.55	CALUSA LAKES
002	16.59	12.41	2.67	CALUSA LAKES
003	1.95	12.12	2.53	CALUSA LAKES
004	14.47	13.00	2.44	CALUSA LAKES
005	4.43	12.66	2.74	CALUSA LAKES

BASIN NAME	006	008	009	010	011
NODE NAME	006	008	009	010	011
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	15.24	15.09	6.82	20.55	12.68
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	19.00	21.00	24.00	16.00	18.00
TC (mins)	67.00	79.00	30.00	74.00	63.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
006	9.37	12.80	2.61	CALUSA LAKES
008	8.44	12.82	2.64	CALUSA LAKES
009	6.80	12.20	2.71	CALUSA LAKES
010	11.67	12.83	2.55	CALUSA LAKES
011	8.04	12.74	2.59	CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	012	013	014	015	016
NODE NAME	012	013	014	015	016
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	28.73	8.87	4.82	10.46	25.19
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	27.00	42.00	15.00	19.00	17.00
TC (mins)	83.00	81.00	57.00	40.00	78.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	16.21	5.54	3.18	8.62	13.88
TMX (hrs)	12.91	12.96	12.67	12.36	12.83
VOL (in)	2.76	3.04	2.53	2.61	2.57
NOTES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES

BASIN NAME	017	018	019	020	021
NODE NAME	017	018	019	020	021
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	10.11	20.13	17.31	21.35	12.69
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	31.00	18.00	19.00	15.00	18.00
TC (mins)	34.00	72.00	82.00	79.00	30.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	9.80	11.77	9.37	11.48	12.18
TMX (hrs)	12.24	12.80	12.94	12.82	12.20
VOL (in)	2.84	2.59	2.61	2.53	2.59
NOTES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	022	023	024	025	026
NODE NAME	022	023	024	025	026
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.50	12.06	3.10	16.58	4.27
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	13.00	15.00	13.00	14.00	24.00
TC (mins)	70.00	48.00	69.00	56.00	102.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
022	11.79	12.76	2.49	CALUSA LAKES
023	8.78	12.48	2.53	CALUSA LAKES
024	1.80	12.73	2.49	CALUSA LAKES
025	10.97	12.57	2.51	CALUSA LAKES
026	2.06	13.15	2.70	CALUSA LAKES

BASIN NAME	027	028	029	030	031
NODE NAME	027	028	029	030	031
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	2.07	13.92	3.65	9.10	4.76
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	39.00	.00	.00	.00	.00
TC (mins)	26.00	217.00	81.00	73.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
027	2.42	12.19	2.99	CALUSA LAKES- LAKE 3A
028	3.23	14.75	2.25	CALUSA LAKES- WETLAND B
029	1.75	12.96	2.25	CALUSA LAKES- WETLAND C
030	4.67	12.82	2.24	CALUSA LAKES- WETLAND E
031	2.32	12.99	2.24	CALUSA LAKES- WETLAND F1

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	032	033	034	037	038
NODE NAME	032	033	034	037	013
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	3.40	3.47	5.80	4.63	8.99
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	25.00
TC (mins)	22.00	22.00	71.00	15.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
032	3.40	12.12	2.25	CALUSA LAKES- WETLAND F
033	3.47	12.12	2.25	CALUSA LAKES- WETLAND D
034	3.02	12.78	2.25	CALUSA LAKES- WETLAND I
037	5.57	12.07	2.25	CALUSA LAKES- WETLAND L
038	5.16	12.82	2.72	CALUSA LAKES- LAKE 13A

BASIN NAME	120	136	148	158	632
NODE NAME	120	136	148	158	632
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	408.32	167.83	225.27	48.34	43.05
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	.00
TC (mins)	285.00	255.00	276.00	283.00	94.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
120	76.76	15.75	2.25	
136	34.42	15.25	2.25	
148	43.45	15.50	2.25	
158	9.14	15.50	2.25	
632	18.67	13.16	2.24	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	640	720	738	740	FC-01
NODE NAME	640	720	738	740	FC-01
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	66.15	35.78	18.07	101.94	16.54
CURVE NUMBER	80.00	80.00	84.00	80.00	74.00
DCIA (%)	.00	.00	.00	.00	26.60
TC (mins)	102.00	350.00	120.00	214.00	239.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
640	27.07	13.15	2.24	
720	5.73	16.50	2.25	
738	7.64	13.25	2.59	
740	23.91	14.75	2.25	
FC-01	3.72	15.00	2.41	

BASIN NAME	FC-02	FC-03	FC-04	FC-05	FC-06
NODE NAME	FC-02	FC-03	FC-04	FC-05	FC-06
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	64.53	23.82	37.37	147.50	115.72
CURVE NUMBER	74.00	73.00	73.00	72.00	74.00
DCIA (%)	38.00	29.30	17.10	22.90	37.10
TC (mins)	212.00	299.00	285.00	220.00	210.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-02	17.74	14.50	2.68	
FC-03	4.54	15.75	2.42	
FC-04	6.44	15.50	2.13	
FC-05	32.16	14.75	2.21	
FC-06	31.79	14.50	2.66	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	FC-07	FC-08	FC-09	FC-10	FC-11
NODE NAME	FC-07	FC-08	FC-09	FC-10	FC-11
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	112.86	28.04	111.03	90.78	52.15
CURVE NUMBER	74.00	75.00	72.00	75.00	75.00
DCIA (%)	18.80	35.60	21.30	25.20	33.10
TC (mins)	340.00	195.00	300.00	272.00	199.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-07	17.92	16.25	2.23	
FC-08	8.20	14.25	2.67	
FC-09	18.80	15.75	2.17	
FC-10	18.76	15.25	2.43	
FC-11	14.67	14.25	2.62	

BASIN NAME	FC-12	FC-13	FC-14	FC-15	FC-16
NODE NAME	FC-12	FC-13	FC-14	FC-15	FC-16
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	33.52	29.31	39.43	18.85	105.84
CURVE NUMBER	75.00	75.00	74.00	75.00	73.00
DCIA (%)	24.80	12.00	19.80	15.50	22.00
TC (mins)	259.00	236.00	240.00	321.00	273.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-12	7.17	15.25	2.42	
FC-13	5.89	15.00	2.13	
FC-14	8.25	15.00	2.25	
FC-15	3.11	16.00	2.21	
FC-16	19.96	15.50	2.25	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	FC-17	FC-18	FC-19	FC-20	FC-21
NODE NAME	FC-17	FC-18	FC-19	FC-20	FC-21
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	32.92	47.57	26.49	29.93	150.18
CURVE NUMBER	74.00	74.00	75.00	74.00	67.00
DCIA (%)	21.70	10.80	22.40	29.40	6.20
TC (mins)	243.00	258.00	229.00	162.00	346.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-17	6.97	15.00	2.29	
FC-18	8.50	15.25	2.04	
FC-19	6.07	14.75	2.37	
FC-20	9.25	14.00	2.48	
FC-21	14.99	16.75	1.48	

BASIN NAME	FC-22	FC-23	FC-24	FC-25	FC-26
NODE NAME	FC-22	FC-23B	158	FC-25	732
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.31	66.36	50.23	44.73	12.50
CURVE NUMBER	74.00	75.00	75.00	75.00	75.00
DCIA (%)	58.00	22.10	3.20	13.10	.00
TC (mins)	159.00	166.00	150.00	220.00	226.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-22	8.16	13.75	3.15	
FC-23	19.31	14.00	2.36	
FC-24	12.85	13.75	1.93	
FC-25	9.61	14.75	2.16	
FC-26	2.26	15.00	1.86	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

BASIN NAME	FC-27	FC-28	FC-29	FC-30	FC-31
NODE NAME	734	FC-28	FC-29	FC-30	FC-31
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	4.25	4.25	4.25	4.25	4.25
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	12.50	43.42	46.45	26.82	44.88
CURVE NUMBER	75.00	75.00	75.00	75.00	75.00
DCIA (%)	.00	4.10	9.20	20.30	13.00
TC (mins)	199.00	274.00	244.00	235.00	175.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-27	2.49	14.50	1.86	
FC-28	7.12	15.50	1.95	
FC-29	8.83	15.00	2.07	
FC-30	5.90	15.00	2.32	
FC-31	11.42	14.25	2.15	

EXISTING CONDITIONS
2 YEAR ROUTING OUTPUT

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT

NODE ID	STAGE (ft)	VOLUME (af)	←----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
148	5.23	.85	43.45	.00	80.29	108.32
149	5.26	.13	.00	.00	80.26	80.29
150	5.39	.13	.00	.00	80.25	80.26
151	5.43	.13	.00	.00	80.22	80.25
152	7.95	.20	.00	.00	80.27	80.22
154	10.17	.43	.00	.00	80.26	80.27
156	10.96	1.29	.00	.00	80.09	80.26
158	11.07	2.31	20.25	.00	72.63	80.09
612	4.65	.28	.00	.00	76.74	76.75
618	6.15	.52	.00	.00	76.74	76.74
624	6.61	.91	.00	.00	76.75	76.74
626	7.51	4.92	.00	.00	76.84	76.75
628	8.12	.93	.00	.00	60.14	60.12
630	8.39	.28	.00	.00	60.15	60.14
632	9.14	.30	18.53	.00	36.21	39.90
640	10.41	9.74	26.86	.00	32.23	36.21
710	11.06	.27	.00	.00	7.45	6.95
720	11.06	.21	5.73	.00	4.41	7.45
722	11.05	.64	.00	.00	5.01	4.41
732	11.05	1.50	2.26	.00	5.85	5.01
734	11.02	1.61	2.49	.00	7.31	4.36
736	11.02	2.62	.00	.00	6.60	.00
738	10.99	1.52	7.64	.00	.00	3.17
740	10.44	10.42	23.91	.00	6.85	16.40
FC-01	16.66	2.51	3.72	.00	.00	3.44
FC-02	15.37	6.92	17.74	.00	3.44	11.83
FC-03	17.23	7.79	4.54	.00	.00	.48
FC-04	17.17	9.22	6.44	.00	.00	.79
FC-05	15.35	29.07	32.16	.00	18.16	28.13
FC-06	16.30	48.95	31.79	.00	.79	11.54
FC-07	16.15	24.12	17.92	.00	.00	10.21
FC-08	16.05	7.39	8.20	.00	10.21	12.84
FC-09	15.07	8.86	18.80	.00	40.79	48.88
FC-10	15.83	19.51	18.76	.00	.00	5.82
FC-11	15.80	25.12	14.67	.00	5.82	4.06
FC-12	16.46	11.51	7.17	.00	.00	.00
FC-13	15.80	11.89	5.89	.00	4.06	.00
FC-14	15.36	7.79	8.25	.00	.00	3.80
FC-15	16.21	3.66	3.11	.00	.00	1.94
FC-16	14.87	12.49	19.96	.00	54.97	56.22
FC-17	13.65	2.70	6.97	.00	56.22	58.63
FC-18	13.55	5.50	8.50	.00	62.89	66.39
FC-19	14.36	4.47	6.07	.00	1.94	4.97
FC-20	15.00	20.40	9.25	.00	4.32	6.51

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 2 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
 =====

NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-21	15.00	9.58	14.99	.00	.00	9.97
FC-22	14.81	22.44	8.16	.00	6.51	1.77
FC-23A	12.57	.47	.00	.00	28.68	28.71
FC-23B	11.86	.90	19.31	.00	28.71	33.90
FC-25	14.24	8.02	9.61	.00	.00	.00
FC-28	14.64	12.58	7.12	.00	9.31	6.63
FC-29	13.95	8.65	8.83	.00	3.95	5.17
FC-30	13.69	4.92	5.90	.00	2.68	2.94
FC-31	12.29	.85	11.42	.00	8.01	10.74
FC-02B	15.35	.16	.00	.00	11.83	11.79
FC-05B	15.09	.11	.00	.00	28.13	28.13
FC-09B	14.89	1.14	.00	.00	48.88	54.97
FC-17B	13.60	.04	.00	.00	58.63	58.63
FC-18A	12.12	.07	.00	.00	.51	.50
FC-18B	11.94	.03	.00	.00	.50	.87
FC-18C	12.89	.46	.00	.00	37.19	37.20
FC-18D	11.85	.49	.00	.00	38.05	37.72
FC-18CX	13.41	.09	.00	.00	37.19	37.19

EXISTING CONDITIONS

**25 YEAR HYDROLOGIC
INPUT/OUTPUT**

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	001	002	003	004	005
NODE NAME	001	002	003	004	005
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	14.70	20.32	1.77	30.25	6.72
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	16.00	22.00	15.00	10.00	26.00
TC (mins)	27.00	42.00	22.00	90.00	64.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
001	35.16	12.18	5.99	CALUSA LAKES
002	38.68	12.32	6.12	CALUSA LAKES
003	4.66	12.12	5.96	CALUSA LAKES
004	35.37	13.00	5.85	CALUSA LAKES
005	10.19	12.66	6.21	CALUSA LAKES

BASIN NAME	006	008	009	010	011
NODE NAME	006	008	009	010	011
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	15.24	15.09	6.82	20.55	12.68
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	19.00	21.00	24.00	16.00	18.00
TC (mins)	67.00	79.00	30.00	74.00	63.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
006	22.06	12.66	6.05	CALUSA LAKES
008	19.81	12.82	6.09	CALUSA LAKES
009	15.75	12.20	6.17	CALUSA LAKES
010	27.79	12.83	5.98	CALUSA LAKES
011	18.98	12.60	6.03	CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	012	013	014	015	016
NODE NAME	012	013	014	015	016
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	28.73	8.87	4.82	10.46	25.19
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	27.00	42.00	15.00	19.00	17.00
TC (mins)	83.00	81.00	57.00	40.00	78.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	37.12	12.08	7.60	20.32	33.01
TMX (hrs)	12.91	12.78	12.54	12.36	12.83
VOL (in)	6.24	6.57	5.96	6.06	6.00
NOTES	CALUSA LAKES				

BASIN NAME	017	018	019	020	021
NODE NAME	017	018	019	020	021
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	10.11	20.13	17.31	21.35	12.69
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	31.00	18.00	19.00	15.00	18.00
TC (mins)	34.00	72.00	82.00	79.00	30.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	22.19	27.81	22.06	27.57	28.86
TMX (hrs)	12.24	12.80	12.94	12.82	12.20
VOL (in)	6.32	6.03	6.05	5.95	6.03
NOTES	CALUSA LAKES				

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	022	023	024	025	026
NODE NAME	022	023	024	025	026
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.50	12.06	3.10	16.58	4.27
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	13.00	15.00	13.00	14.00	24.00
TC (mins)	70.00	48.00	69.00	56.00	102.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
022	28.44	12.76	5.92 CALUSA LAKES
023	20.98	12.48	5.96 CALUSA LAKES
024	4.34	12.73	5.91 CALUSA LAKES
025	26.35	12.57	5.93 CALUSA LAKES
026	4.78	13.15	6.15 CALUSA LAKES

BASIN NAME	027	028	029	030	031
NODE NAME	027	028	029	030	031
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	2.07	13.92	3.65	9.10	4.76
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	39.00	.00	.00	.00	.00
TC (mins)	26.00	217.00	81.00	73.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
027	5.31	12.19	6.51 CALUSA LAKES- LAKE 3A
028	8.29	14.50	5.62 CALUSA LAKES- WETLAND B
029	4.44	12.96	5.62 CALUSA LAKES- WETLAND C
030	11.88	12.82	5.61 CALUSA LAKES- WETLAND E
031	5.90	12.82	5.61 CALUSA LAKES- WETLAND F1

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
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BASIN NAME	032	033	034	037	038
NODE NAME	032	033	034	037	013
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	3.40	3.47	5.80	4.63	8.99
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	25.00
TC (mins)	22.00	22.00	71.00	15.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	TMX (hrs)	VOL (in)	NOTES		
032	8.63	12.12	5.62 CALUSA LAKES- WETLAND F		
033	8.81	12.12	5.62 CALUSA LAKES- WETLAND D		
034	7.70	12.78	5.62 CALUSA LAKES- WETLAND I		
037	13.99	12.07	5.62 CALUSA LAKES- WETLAND L		
038	11.93	12.82	6.18 CALUSA LAKES- LAKE 13A		

BASIN NAME	120	136	148	158	632
NODE NAME	120	136	148	158	632
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	408.32	167.83	225.27	48.34	43.05
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	.00
TC (mins)	285.00	255.00	276.00	283.00	94.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	TMX (hrs)	VOL (in)	NOTES		
120	197.07	15.50	5.62		
136	88.33	15.00	5.62		
148	111.43	15.25	5.62		
158	23.46	15.50	5.62		
632	47.55	12.95	5.61		

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	640	720	738	740	FC-01
NODE NAME	640	720	738	740	FC-01
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	66.15	35.78	18.07	101.94	16.54
CURVE NUMBER	80.00	80.00	84.00	80.00	74.00
DCIA (%)	.00	.00	.00	.00	26.60
TC (mins)	102.00	350.00	120.00	214.00	239.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
640	69.16	13.15	5.61	
720	14.68	16.25	5.62	
738	18.17	13.25	6.08	
740	61.42	14.50	5.62	
FC-01	9.09	14.75	5.71	

BASIN NAME	FC-02	FC-03	FC-04	FC-05	FC-06
NODE NAME	FC-02	FC-03	FC-04	FC-05	FC-06
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	64.53	23.82	37.37	147.50	115.72
CURVE NUMBER	74.00	73.00	73.00	72.00	74.00
DCIA (%)	38.00	29.30	17.10	22.90	37.10
TC (mins)	212.00	299.00	285.00	220.00	210.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-02	40.96	14.50	6.05	
FC-03	10.99	15.50	5.71	
FC-04	16.79	15.50	5.34	
FC-05	81.72	14.50	5.42	
FC-06	73.68	14.50	6.02	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	FC-17	FC-18	FC-19	FC-20	FC-21
NODE NAME	FC-17	FC-18	FC-19	FC-20	FC-21
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	32.92	47.57	26.49	29.93	150.18
CURVE NUMBER	74.00	74.00	75.00	74.00	67.00
DCIA (%)	21.70	10.80	22.40	29.40	6.20
TC (mins)	243.00	258.00	229.00	162.00	346.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-17	17.45	15.00	5.57	
FC-18	22.77	15.25	5.24	
FC-19	15.01	14.75	5.68	
FC-20	22.32	13.75	5.80	
FC-21	46.80	16.50	4.35	

BASIN NAME	FC-22	FC-23	FC-24	FC-25	FC-26
NODE NAME	FC-22	FC-23B	158	FC-25	732
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.31	66.36	50.23	44.73	12.50
CURVE NUMBER	74.00	75.00	75.00	75.00	75.00
DCIA (%)	58.00	22.10	3.20	13.10	.00
TC (mins)	159.00	166.00	150.00	220.00	226.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-22	17.38	13.75	6.64	
FC-23	47.80	14.00	5.67	
FC-24	35.86	13.75	5.13	
FC-25	24.99	14.75	5.41	
FC-26	6.43	14.75	5.04	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
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BASIN NAME	FC-07	FC-08	FC-09	FC-10	FC-11
NODE NAME	FC-07	FC-08	FC-09	FC-10	FC-11
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	112.86	28.04	111.03	90.78	52.15
CURVE NUMBER	74.00	75.00	72.00	75.00	75.00
DCIA (%)	18.80	35.60	21.30	25.20	33.10
TC (mins)	340.00	195.00	300.00	272.00	199.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-07	45.48	16.25	5.48	
FC-08	19.02	14.25	6.06	
FC-09	48.12	15.75	5.37	
FC-10	45.67	15.25	5.76	
FC-11	34.46	14.25	5.99	

BASIN NAME	FC-12	FC-13	FC-14	FC-15	FC-16
NODE NAME	FC-12	FC-13	FC-14	FC-15	FC-16
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	33.52	29.31	39.43	18.85	105.84
CURVE NUMBER	75.00	75.00	74.00	75.00	73.00
DCIA (%)	24.80	12.00	19.80	15.50	22.00
TC (mins)	259.00	236.00	240.00	321.00	273.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-12	17.46	15.00	5.75	
FC-13	15.44	14.75	5.38	
FC-14	20.88	15.00	5.51	
FC-15	7.97	16.00	5.48	
FC-16	50.46	15.25	5.49	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

BASIN NAME	FC-27	FC-28	FC-29	FC-30	FC-31
NODE NAME	734	FC-28	FC-29	FC-30	FC-31
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	8.00	8.00	8.00	8.00	8.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	12.50	43.42	46.45	26.82	44.88
CURVE NUMBER	75.00	75.00	75.00	75.00	75.00
DCIA (%)	.00	4.10	9.20	20.30	13.00
TC (mins)	199.00	274.00	244.00	235.00	175.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	TMX (hrs)	VOL (in)	NOTES		
FC-27	7.08	14.50	5.04		
FC-28	19.61	15.25	5.16		
FC-29	23.57	15.00	5.30		
FC-30	14.75	14.75	5.62		
FC-31	29.85	14.00	5.41		

EXISTING CONDITIONS
25-YEAR ROUTING OUTPUT

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1204.44	.00	.00	679.26	.00
001	11.98	2.75	34.34	.00	.00	25.23
002	12.71	6.53	37.95	.00	.00	6.79
003	12.67	.64	4.37	.00	6.79	7.15
004	12.94	4.97	35.37	.00	.00	18.38
005	12.92	3.99	10.12	.00	3.42	5.01
006	12.92	7.41	22.00	.00	14.96	13.80
008	13.06	6.38	19.60	.00	17.15	6.99
009	13.06	1.76	15.58	.00	10.84	17.15
010	12.69	3.80	27.67	.00	.00	10.27
011	12.20	3.53	18.89	.00	.00	4.09
012	12.11	13.75	36.73	.00	8.87	14.10
013	11.85	2.62	23.81	.00	20.56	26.56
014	11.18	1.31	7.54	.00	.00	1.84
015	11.32	3.16	20.05	.00	.00	3.90
016	10.38	1.85	32.69	.00	36.67	44.18
017	12.98	4.69	22.15	.00	.00	2.43
018	12.93	3.38	27.73	.00	2.43	10.31
019	12.46	8.30	21.87	.00	13.54	8.93
020	13.00	7.63	27.28	.00	.00	5.01
021	13.00	4.04	28.56	.00	.00	6.27
022	13.00	8.52	28.43	.00	12.70	11.03
023	13.36	3.27	20.91	.00	.00	3.96
024	12.23	1.44	4.33	.00	8.93	10.41
025	11.83	3.85	26.14	.00	19.61	21.21
026	13.06	3.22	4.73	.00	.00	3.60
027	12.65	.82	5.17	.00	7.15	9.10
028	12.68	7.97	8.29	.00	.00	6.08
029	12.94	4.03	4.41	.00	.00	3.42
030	12.49	9.80	11.83	.00	.00	5.00
031	13.06	1.79	5.84	.00	.00	5.20
032	13.06	5.00	8.10	.00	3.60	5.64
033	12.50	2.06	8.27	.00	.00	4.83
034	12.46	6.10	7.68	.00	.00	4.35
035	11.04	.15	.00	.00	28.17	28.17
036	10.38	1.70	.00	.00	.00	5.01
037	11.89	4.17	13.46	.00	.00	5.13
120	4.42	12.65	197.07	.00	518.50	679.26
130	4.78	9.16	.00	.00	518.55	518.50
132	5.10	10.06	.00	.00	518.25	518.55
134	5.26	8.47	.00	.00	518.06	518.25
136	6.08	5.34	88.33	.00	477.96	518.06
140	6.81	2.19	.00	.00	332.31	332.46
146	7.87	1.77	.00	.00	332.24	332.31

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT
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NODE ID	STAGE (ft)	VOLUME (af)	INFLOW RUNOFF (cfs)	OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	8.41	1.97	111.43	.00	281.29	332.24
149	8.43	.37	.00	.00	281.29	281.29
150	8.54	.35	.00	.00	281.34	281.29
151	8.57	1.29	.00	.00	280.98	281.34
152	9.40	.66	.00	.00	280.85	280.98
154	11.78	1.75	.00	.00	280.43	280.85
156	12.71	7.60	.00	.00	282.69	280.43
158	12.82	9.52	54.53	.00	267.44	282.69
612	6.27	.54	.00	.00	148.42	146.77
618	7.16	.78	.00	.00	146.73	148.42
624	7.75	1.50	.00	.00	146.86	146.73
626	8.41	7.34	.00	.00	147.14	146.86
628	9.29	1.56	.00	.00	125.99	125.93
630	9.58	.49	.00	.00	125.99	125.99
632	10.60	.67	47.51	.00	92.69	96.39
640	11.91	19.35	68.32	.00	87.53	92.69
710	12.87	.66	.00	.00	32.81	34.41
720	12.88	.45	14.68	.00	24.41	32.81
722	12.90	1.44	.00	.00	23.76	24.41
732	12.92	3.08	6.43	.00	20.81	23.76
734	12.92	3.64	7.08	.00	16.14	20.29
736	12.65	4.92	.00	.00	14.53	.54
738	12.49	2.53	18.17	.00	.00	.49
740	11.98	44.71	61.42	.00	25.23	34.47
FC-01	16.72	2.81	9.09	.00	.24	8.66
FC-02	15.94	16.24	40.96	.00	8.66	23.02
FC-03	17.33	9.24	10.99	.00	.00	5.93
FC-04	17.32	12.96	16.79	.00	3.17	8.59
FC-05	15.83	48.35	81.72	.00	65.12	91.91
FC-06	16.40	54.37	73.68	.00	5.03	48.66
FC-07	16.35	32.27	45.48	.00	4.36	33.73
FC-08	16.18	9.56	19.02	.00	33.73	41.21
FC-09	15.74	25.45	48.12	.00	132.09	158.16
FC-10	16.36	43.35	45.67	.00	.00	19.31
FC-11	16.36	42.67	34.46	.00	19.31	9.88
FC-12	16.84	16.15	17.46	.00	.00	8.87
FC-13	16.36	22.59	15.44	.00	9.88	.27
FC-14	15.46	8.97	20.88	.00	.27	15.92
FC-15	16.33	4.45	7.97	.00	.00	6.25
FC-16	15.47	28.21	50.46	.00	158.15	182.51
FC-17	14.69	10.78	17.45	.00	182.51	187.08
FC-18	14.61	16.28	22.77	.00	196.50	204.91
FC-19	14.66	6.24	15.01	.00	6.25	15.49
FC-20	15.07	21.83	22.32	.00	23.16	33.51

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 25 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT

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NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-21	15.07	13.75	46.80	.00	.00	41.92
FC-22	14.89	23.52	17.38	.00	33.51	40.31
FC-23A	14.51	3.82	.00	.00	122.32	122.77
FC-23B	14.28	8.67	47.80	.00	149.36	159.66
FC-25	14.61	17.92	24.99	.00	.00	3.59
FC-28	14.74	14.42	19.61	.00	33.75	46.33
FC-29	14.01	9.53	23.57	.00	10.40	24.32
FC-30	13.94	7.16	14.75	.00	35.93	42.89
FC-31	12.79	3.07	29.85	.00	67.10	74.95
FC-02B	15.84	.19	.00	.00	23.02	23.03
FC-05B	15.80	.15	.00	.00	91.91	91.91
FC-09B	15.59	1.44	.00	.00	158.16	158.15
FC-17B	14.66	.09	.00	.00	187.08	187.06
FC-18A	14.51	.60	.00	.00	36.97	36.97
FC-18B	14.01	.57	.00	.00	36.97	36.96
FC-18C	13.75	.70	.00	.00	45.66	45.68
FC-18D	13.43	1.36	.00	.00	82.64	82.72
FC-18CX	14.53	.12	.00	.00	45.66	45.66

EXISTING CONDITIONS

**100 YEAR HYDROLOGIC
INPUT/OUTPUT**

Advanced Interconnected Channel & Pond Routing (adICPR Ver 1.40)
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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
 10-26-94

BASIN NAME	001	002	003	004	005
NODE NAME	001	002	003	004	005
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	14.70	20.32	1.77	30.25	6.72
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	16.00	22.00	15.00	10.00	26.00
TC (mins)	27.00	42.00	22.00	90.00	64.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	46.24	50.76	6.14	46.83	13.33
TMX (hrs)	12.18	12.32	12.12	13.00	12.66
VOL (in)	7.90	8.04	7.87	7.76	8.13
NOTES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES

BASIN NAME	006	008	009	010	011
NODE NAME	006	008	009	010	011
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	15.24	15.09	6.82	20.55	12.68
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	19.00	21.00	24.00	16.00	18.00
TC (mins)	67.00	79.00	30.00	74.00	63.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE
BASIN QMX (cfs)	29.00	26.01	20.61	36.59	24.98
TMX (hrs)	12.66	12.82	12.20	12.83	12.60
VOL (in)	7.97	8.01	8.09	7.88	7.94
NOTES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES	CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
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BASIN NAME	012	013	014	015	016
NODE NAME	012	013	014	015	016
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	28.73	8.87	4.82	10.46	25.19
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	27.00	42.00	15.00	19.00	17.00
TC (mins)	83.00	81.00	57.00	40.00	78.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
012	48.52	12.91	8.16	CALUSA LAKES
013	15.64	12.78	8.51	CALUSA LAKES
014	10.02	12.54	7.87	CALUSA LAKES
015	26.68	12.36	7.97	CALUSA LAKES
016	43.47	12.83	7.91	CALUSA LAKES

BASIN NAME	017	018	019	020	021
NODE NAME	017	018	019	020	021
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	10.11	20.13	17.31	21.35	12.69
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	31.00	18.00	19.00	15.00	18.00
TC (mins)	34.00	72.00	82.00	79.00	30.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
017	28.91	12.24	8.25	CALUSA LAKES
018	36.56	12.80	7.95	CALUSA LAKES
019	28.98	12.94	7.96	CALUSA LAKES
020	36.37	12.82	7.86	CALUSA LAKES
021	37.94	12.20	7.95	CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
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BASIN NAME	022	023	024	025	026
NODE NAME	022	023	024	025	026
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.50	12.06	3.10	16.58	4.27
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	13.00	15.00	13.00	14.00	24.00
TC (mins)	70.00	48.00	69.00	56.00	102.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
022	37.54	12.76	7.82	CALUSA LAKES
023	27.62	12.48	7.88	CALUSA LAKES
024	5.73	12.73	7.82	CALUSA LAKES
025	34.74	12.57	7.84	CALUSA LAKES
026	6.26	13.15	8.07	CALUSA LAKES

BASIN NAME	027	028	029	030	031
NODE NAME	027	028	029	030	031
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	2.07	13.92	3.65	9.10	4.76
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	39.00	.00	.00	.00	.00
TC (mins)	26.00	217.00	81.00	73.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
027	6.87	12.19	8.44	CALUSA LAKES- LAKE 3A
028	11.12	14.50	7.51	CALUSA LAKES- WETLAND B
029	5.92	12.96	7.51	CALUSA LAKES- WETLAND C
030	15.84	12.82	7.50	CALUSA LAKES- WETLAND E
031	7.87	12.82	7.51	CALUSA LAKES- WETLAND F1

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BASIN NAME	032	033	034	037	038
NODE NAME	032	033	034	037	013
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	3.40	3.47	5.80	4.63	8.99
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	25.00
TC (mins)	22.00	22.00	71.00	15.00	79.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
032	11.48	12.12	7.51	CALUSA LAKES- WETLAND F
033	11.71	12.12	7.51	CALUSA LAKES- WETLAND D
034	10.26	12.78	7.52	CALUSA LAKES- WETLAND I
037	18.56	12.07	7.52	CALUSA LAKES- WETLAND L
038	15.62	12.82	8.10	CALUSA LAKES- LAKE 13A

BASIN NAME	120	136	148	158	632
NODE NAME	120	136	148	158	632
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	408.32	167.83	225.27	48.34	43.05
CURVE NUMBER	80.00	80.00	80.00	80.00	80.00
DCIA (%)	.00	.00	.00	.00	.00
TC (mins)	285.00	255.00	276.00	283.00	94.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
120	264.09	15.50	7.52	
136	118.43	15.00	7.52	
148	149.45	15.25	7.52	
158	31.43	15.50	7.52	
632	63.57	12.95	7.50	

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
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BASIN NAME	640	720	738	740	FC-01
NODE NAME	640	720	738	740	FC-01
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	66.15	35.78	18.07	101.94	16.54
CURVE NUMBER	80.00	80.00	84.00	80.00	74.00
DCIA (%)	.00	.00	.00	.00	26.60
TC (mins)	102.00	350.00	120.00	214.00	239.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
640	92.34	13.15	7.50	
720	19.69	16.25	7.52	
738	23.88	13.25	8.01	
740	82.30	14.50	7.51	
FC-01	12.13	14.75	7.58	

BASIN NAME	FC-02	FC-03	FC-04	FC-05	FC-06
NODE NAME	FC-02	FC-03	FC-04	FC-05	FC-06
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	64.53	23.82	37.37	147.50	115.72
CURVE NUMBER	74.00	73.00	73.00	72.00	74.00
DCIA (%)	38.00	29.30	17.10	22.90	37.10
TC (mins)	212.00	299.00	285.00	220.00	210.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-02	53.96	14.50	7.94	
FC-03	14.66	15.50	7.58	
FC-04	22.73	15.50	7.17	
FC-05	110.27	14.50	7.26	
FC-06	97.14	14.50	7.91	

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BASIN NAME	FC-07	FC-08	FC-09	FC-10	FC-11
NODE NAME	FC-07	FC-08	FC-09	FC-10	FC-11
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	112.86	28.04	111.03	90.78	52.15
CURVE NUMBER	74.00	75.00	72.00	75.00	75.00
DCIA (%)	18.80	35.60	21.30	25.20	33.10
TC (mins)	340.00	195.00	300.00	272.00	199.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-07	61.18	16.25	7.34	
FC-08	25.06	14.25	7.95	
FC-09	64.96	15.75	7.21	
FC-10	60.84	15.25	7.63	
FC-11	45.54	14.25	7.88	

BASIN NAME	FC-12	FC-13	FC-14	FC-15	FC-16
NODE NAME	FC-12	FC-13	FC-14	FC-15	FC-16
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	33.52	29.31	39.43	18.85	105.84
CURVE NUMBER	75.00	75.00	74.00	75.00	73.00
DCIA (%)	24.80	12.00	19.80	15.50	22.00
TC (mins)	259.00	236.00	240.00	321.00	273.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-12	23.28	15.00	7.62	
FC-13	20.89	14.75	7.23	
FC-14	28.09	14.75	7.37	
FC-15	10.72	16.00	7.34	
FC-16	67.90	15.25	7.34	

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BASIN NAME	FC-17	FC-18	FC-19	FC-20	FC-21
NODE NAME	FC-17	FC-18	FC-19	FC-20	FC-21
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	32.92	47.57	26.49	29.93	150.18
CURVE NUMBER	74.00	74.00	75.00	74.00	67.00
DCIA (%)	21.70	10.80	22.40	29.40	6.20
TC (mins)	243.00	258.00	229.00	162.00	346.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-17	23.40	15.00	7.43	
FC-18	30.97	15.00	7.08	
FC-19	20.06	14.75	7.55	
FC-20	29.69	13.75	7.67	
FC-21	66.10	16.25	6.08	

BASIN NAME	FC-22	FC-23	FC-24	FC-25	FC-26
NODE NAME	FC-22	FC-23B	158	FC-25	732
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	20.31	66.36	50.23	44.73	12.50
CURVE NUMBER	74.00	75.00	75.00	75.00	75.00
DCIA (%)	58.00	22.10	3.20	13.10	.00
TC (mins)	159.00	166.00	150.00	220.00	226.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-22	22.46	13.75	8.57	
FC-23	63.87	13.75	7.54	
FC-24	48.98	13.75	6.97	
FC-25	33.78	14.50	7.27	
FC-26	8.83	14.75	6.87	

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BASIN NAME	FC-27	FC-28	FC-29	FC-30	FC-31
NODE NAME	734	FC-28	FC-29	FC-30	FC-31
UNIT HYDROGRAPH	UH256	UH256	UH256	UH256	UH256
PEAKING FACTOR	256.	256.	256.	256.	256.
RAINFALL FILE	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD	SCSIIMOD
RAIN AMOUNT (in)	10.00	10.00	10.00	10.00	10.00
STORM DURATION (hrs)	24.00	24.00	24.00	24.00	24.00
AREA (ac)	12.50	43.42	46.45	26.82	44.88
CURVE NUMBER	75.00	75.00	75.00	75.00	75.00
DCIA (%)	.00	4.10	9.20	20.30	13.00
TC (mins)	199.00	274.00	244.00	235.00	175.00
LAG TIME (hrs)	.00	.00	.00	.00	.00
BASIN STATUS	ONSITE	ONSITE	ONSITE	ONSITE	ONSITE

BASIN	QMX (cfs)	TMX (hrs)	VOL (in)	NOTES
FC-27	9.72	14.25	6.88	
FC-28	26.80	15.25	7.00	
FC-29	31.97	15.00	7.15	
FC-30	19.76	14.75	7.48	
FC-31	40.33	14.00	7.26	

EXISTING CONDITIONS
100 YEAR ROUTING OUTPUT

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
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NODAL MAXIMUM CONDITIONS REPORT

NODE ID	STAGE (ft)	VOLUME (af)	INFLOW RUNOFF (cfs)	OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
000	3.64	1638.65	.00	.00	888.25	.00
001	12.67	3.69	45.10	.00	.00	32.48
002	13.40	8.17	49.63	.00	.00	7.63
003	13.07	.73	5.73	.00	7.63	8.31
004	13.32	5.55	46.82	.00	.00	23.61
005	13.33	4.54	13.22	.00	4.74	5.00
006	13.33	8.17	28.90	.00	15.22	14.04
008	13.77	7.92	25.77	.00	20.26	6.87
009	13.77	2.18	20.36	.00	10.10	20.26
010	13.79	5.37	36.48	.00	.00	12.35
011	12.94	4.74	24.80	.00	.00	5.04
012	12.81	18.36	48.00	.00	11.47	16.64
013	12.56	3.63	31.02	.00	23.11	29.51
014	11.72	1.73	9.95	.00	.00	2.63
015	11.76	3.97	26.40	.00	.00	6.65
016	10.77	2.59	43.09	.00	39.62	53.88
017	14.01	6.81	28.85	.00	.00	2.25
018	13.97	4.95	36.49	.00	2.25	10.24
019	13.39	10.66	28.81	.00	15.16	9.65
020	14.45	10.74	36.02	.00	.00	5.02
021	14.20	5.31	37.50	.00	.00	7.15
022	14.20	11.09	37.53	.00	12.11	12.79
023	14.73	4.68	27.53	.00	.00	4.20
024	13.18	1.88	5.72	.00	9.65	10.38
025	12.82	5.21	34.52	.00	21.02	22.71
026	13.77	4.00	6.21	.00	.00	2.20
027	12.96	.91	6.68	.00	8.31	11.51
028	13.01	9.45	11.12	.00	.00	6.12
029	13.33	4.98	5.88	.00	.00	4.74
030	12.88	11.13	15.79	.00	.00	5.00
031	13.77	2.22	7.79	.00	.00	5.13
032	13.77	6.20	10.74	.00	2.20	5.62
033	12.81	2.78	10.96	.00	.00	6.52
034	13.39	9.68	10.25	.00	.00	5.35
035	11.59	.15	.00	.00	31.44	31.44
036	10.76	2.30	.00	.00	.00	5.01
037	12.49	6.56	17.93	.00	.00	5.01
120	4.80	14.30	264.09	.00	710.79	888.25
130	5.30	10.63	.00	.00	710.23	710.79
132	5.74	11.58	.00	.00	709.53	710.23
134	5.96	9.69	.00	.00	709.83	709.53
136	6.93	6.42	118.43	.00	658.98	709.83
140	7.88	2.77	.00	.00	476.99	477.07
146	10.07	2.53	.00	.00	476.89	476.99

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NODAL MAXIMUM CONDITIONS REPORT
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NODE ID	STAGE (ft)	VOLUME (af)	RUNOFF (cfs)	INFLOW OFFSITE (cfs)	OTHER (cfs)	OUTFLOW (cfs)
148	10.54	2.85	149.45	.00	409.34	476.89
149	10.55	.69	.00	.00	408.98	409.34
150	10.62	.64	.00	.00	408.67	408.98
151	10.64	5.00	.00	.00	407.81	408.67
152	10.79	2.03	.00	.00	407.90	407.81
154	12.00	2.32	.00	.00	407.93	407.90
156	13.01	9.69	.00	.00	408.08	407.93
158	13.15	12.38	74.05	.00	380.45	408.08
612	7.12	.69	.00	.00	182.74	182.88
618	8.02	1.03	.00	.00	182.68	182.74
624	8.51	1.94	.00	.00	182.49	182.68
626	9.01	8.96	.00	.00	182.36	182.49
628	9.88	1.92	.00	.00	160.24	160.26
630	10.16	.61	.00	.00	160.25	160.24
632	11.41	.92	63.47	.00	121.60	126.36
640	12.60	25.87	91.43	.00	114.24	121.60
710	13.20	.74	.00	.00	50.81	50.35
720	13.24	.51	19.69	.00	37.02	50.81
722	13.25	1.62	.00	.00	38.74	37.02
732	13.26	3.41	8.83	.00	27.36	38.74
734	13.26	4.24	9.72	.00	24.20	23.71
736	12.92	5.49	.00	.00	24.05	1.52
738	12.80	2.75	23.88	.00	.00	.50
740	12.67	73.10	82.30	.00	32.48	53.32
FC-01	16.75	2.96	12.13	.00	1.40	11.65
FC-02	16.21	23.56	53.96	.00	13.61	31.88
FC-03	17.37	9.98	14.66	.00	.00	8.11
FC-04	17.37	14.19	22.73	.00	3.17	12.74
FC-05	16.09	63.10	110.27	.00	90.86	130.60
FC-06	16.43	56.50	97.14	.00	7.02	73.62
FC-07	16.43	35.41	61.18	.00	8.47	46.42
FC-08	16.24	10.46	25.06	.00	46.42	58.42
FC-09	15.98	31.42	64.96	.00	180.53	216.83
FC-10	16.54	53.42	60.84	.00	.00	22.99
FC-11	16.54	49.84	45.54	.00	22.99	13.40
FC-12	16.88	16.64	23.28	.00	.00	15.73
FC-13	16.54	27.02	20.89	.00	13.40	3.39
FC-14	15.50	9.54	28.09	.00	3.39	23.53
FC-15	16.39	4.82	10.72	.00	.00	10.20
FC-16	15.63	32.92	67.90	.00	216.84	251.60
FC-17	15.18	16.78	23.40	.00	251.60	258.97
FC-18	15.11	23.60	30.97	.00	274.88	288.02
FC-19	15.13	9.84	20.06	.00	10.20	21.73
FC-20	15.10	22.45	29.69	.00	34.06	49.84

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS - 100 YEAR)
 10-26-94

NODAL MAXIMUM CONDITIONS REPORT

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NODE ID	STAGE (ft)	VOLUME (af)	<----- RUNOFF (cfs)	INFLOW OFFSITE (cfs)	-----> OTHER (cfs)	OUTFLOW (cfs)
FC-21	15.11	15.69	66.10	.00	.00	62.16
FC-22	14.92	23.92	22.47	.00	49.84	61.21
FC-23A	15.02	5.96	.00	.00	186.91	187.12
FC-23B	14.83	15.25	63.87	.00	225.69	245.43
FC-25	14.70	20.46	33.78	.00	.00	9.34
FC-28	14.77	14.98	26.80	.00	49.77	70.50
FC-29	14.03	10.21	31.97	.00	14.25	36.26
FC-30	14.02	8.04	19.76	.00	56.27	67.28
FC-31	13.06	6.79	40.33	.00	103.29	110.78
FC-02B	16.11	.21	.00	.00	31.88	31.90
FC-05B	16.07	.16	.00	.00	130.60	130.61
FC-09B	15.81	1.53	.00	.00	216.83	216.84
FC-17B	15.15	.14	.00	.00	258.97	258.95
FC-18A	15.00	.75	.00	.00	51.19	51.19
FC-18B	14.47	.75	.00	.00	51.19	51.20
FC-18C	14.10	.81	.00	.00	50.20	50.31
FC-18D	13.84	1.63	.00	.00	101.16	101.22
FC-18CX	15.03	.13	.00	.00	50.20	50.20

EXISTING CONDITIONS
HYDRAULIC ROUTING INPUT

FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

CONTROL PARAMETERS
=====

START TIME: .00
END TIME: 48.00

TO TIME (hours)	SIMULATION INC (secs)	PRINT INC (mins)
100.00	.50	15.00

RUNOFF HYDROGRAPH FILE: DEFAULT
OFFSITE HYDROGRAPH FILE: DEFAULT
BOUNDARY DATABASE FILE: NONE

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
000	TIME	3.640	.000	.000	.000	3.640 3.640	.000 48.000
001	AREA	10.000	.000	.000	.000	10.000 13.000	1.190 1.580
002	AREA	9.980	.000	.000	.000	9.980 13.000	2.110 2.660
003	AREA	9.980	.000	.000	.000	9.980 13.000	.180 .280
004	AREA	9.670	.000	.000	.000	9.670 13.000	1.300 1.740
005	AREA	10.000	.000	.000	.000	10.000 13.000	1.200 1.530
006	AREA	8.990	.000	.000	.000	8.990 12.000	1.650 2.100
008	AREA	10.150	.000	.000	.000	10.150 13.000	1.950 2.400
009	AREA	10.150	.000	.000	.000	10.130 13.000	.500 .700
010	AREA	10.040	.000	.000	.000	10.040 13.000	1.200 1.660
011	AREA	10.040	.000	.000	.000	10.040 13.000	1.390 1.860
012	AREA	10.040	.000	.000	.000	10.040 13.000	6.100 7.150
013	AREA	10.040	.000	.000	.000	10.040 13.000	1.300 1.560
014	AREA	9.500	.000	.000	.000	9.500 13.000	.650 .910

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
015	AREA	9.630	.000	.000	.000	9.630 13.000	1.670 2.060
016	AREA	9.460	.000	.000	.000	9.460 13.000	1.700 2.140
017	AREA	10.700	.000	.000	.000	10.700 14.000	1.780 2.330
018	AREA	10.700	.000	.000	.000	10.700 14.000	1.320 1.700
019	AREA	9.190	.000	.000	.000	9.190 13.000	2.330 2.740
020	AREA	9.450	.000	.000	.000	9.450 13.000	1.840 2.460
021	AREA	9.170	.000	.000	.000	9.170 13.000	.880 1.230
022	AREA	9.070	.000	.000	.000	9.000 13.000	1.740 2.510
023	AREA	10.170	.000	.000	.000	10.170 13.000	.900 1.150
024	AREA	9.130	.000	.000	.000	9.130 13.000	.350 .580
025	AREA	9.070	.000	.000	.000	9.070 13.000	1.150 1.600
026	AREA	12.000	.000	.000	.000	10.130 13.000	.970 1.220
027	AREA	9.980	.000	.000	.000	9.980 13.000	.250 .360
028	AREA	8.120	.000	.000	.000	8.000 10.000 11.500 11.800 12.000	.100 .940 1.800 3.800 5.300

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
029	AREA	12.700	.000	.000	.000	10.000	.940
						13.000	1.800
						14.000	3.500
030	AREA	9.650	.000	.000	.000	9.650	3.200
						13.000	3.700
031	AREA	12.000	.000	.000	.000	10.130	.460
						13.000	.760
032	AREA	12.000	.000	.000	.000	10.130	1.300
						13.000	2.100
033	AREA	12.200	.000	.000	.000	10.000	.200
						11.000	.450
						12.000	1.330
						12.500	2.090
						13.000	2.500
034	AREA	11.500	.000	.000	.000	10.000	.940
						10.500	1.100
						11.000	2.460
						12.000	3.400
						13.000	4.300
035	STRG	9.460	.000	.000	.000	6.660	.000
						10.160	.004
						12.210	.006
036	AREA	9.460	.000	.000	.000	9.300	1.330
						13.000	1.820
037	AREA	9.100	.000	.000	.000	9.100	.020
						10.000	.030
						11.000	2.500
						12.000	4.000
						13.000	4.300
120	AREA	3.640	.000	.000	.000	8.000	.000
						9.000	.000

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
130	AREA	3.640	.000	.000	.000	8.000 9.000	.000 .000
132	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
134	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
136	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
140	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
146	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
148	AREA	3.640	.000	.000	.000	11.000 12.000	.000 .000
149	AREA	3.640	.000	.000	.000	16.000 17.000	.000 .000
150	AREA	3.640	.000	.000	.000	16.000 17.000	.000 .000
151	AREA	3.640	.000	.000	.000	16.000 17.000	.000 .000
152	AREA	6.100	.000	.000	.000	16.000 17.000	.000 .000
154	AREA	7.000	.000	.000	.000	16.000 17.000	.000 .000
156	AREA	7.300	.000	.000	.000	16.000 17.000	.000 .000
158	AREA	7.500	.000	.000	.000	15.100 16.000	1.700 1.800

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
612	AREA	3.640	.000	.000	.000	15.000 16.000	.000 .000
618	AREA	3.640	.000	.000	.000	15.000 16.000	.000 .000
624	AREA	3.640	.000	.000	.000	15.000 16.000	.000 .000
626	AREA	4.300	.000	.000	.000	3.000 5.500 6.000 13.000 14.000	.010 .050 1.430 2.410 10.000
628	AREA	5.600	.000	.000	.000	15.000 16.000	.000 .000
630	AREA	6.000	.000	.000	.000	15.000 16.000	.000 .000
632	AREA	7.980	.000	.000	.000	15.000 16.000	.000 .000
640	AREA	8.500	.000	.000	.000	7.500 9.200 10.000 11.000 12.000 13.000	.500 3.850 4.480 5.400 7.800 10.800
710	AREA	8.800	.000	.000	.000	16.000 17.000	.000 .000
720	AREA	8.800	.000	.000	.000	16.500 17.500	.000 .000
722	AREA	8.800	.000	.000	.000	16.500 17.500	.000 .000
732	AREA	8.800	.000	.000	.000	16.500 17.500	.000 .000

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
734	AREA	8.800	.000	.000	.000	16.500	.000
						17.500	.000
736	AREA	8.800	.000	.000	.000	16.500	.000
						17.500	.000
738	AREA	8.800	.000	.000	.000	16.500	.000
						17.500	.000
740	AREA	8.500	.000	.000	.000	7.500	.050
						9.700	2.000
						9.800	4.300
						10.000	6.900
						11.000	21.800
						12.000	31.300
FC-01	AREA	16.600	.000	.000	.000	16.000	2.720
						16.600	4.450
						17.000	6.540
FC-02	AREA	15.000	.000	.000	.000	14.900	5.000
						15.000	9.960
						16.000	22.990
						17.000	37.220
FC-02B	AREA	14.700	.000	.000	.000	16.000	.000
						17.000	.000
FC-03	AREA	16.800	.000	.000	.000	16.000	.800
						17.000	7.590
						17.500	22.000
FC-04	AREA	16.700	.000	.000	.000	16.000	2.320
						17.000	7.400
						18.000	39.030
FC-05	AREA	14.700	.000	.000	.000	14.200	10.740
						15.000	27.070
						16.000	52.890
						17.000	120.090

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
FC-05B	AREA	14.500	.000	.000	.000	15.000	.000
						16.000	.000
FC-06	AREA	16.000	.000	.000	.000	15.000	21.880
						16.000	42.610
						17.000	67.310
FC-07	AREA	15.900	.000	.000	.000	15.000	14.680
						16.000	21.640
						17.000	58.250
FC-08	AREA	15.800	.000	.000	.000	15.000	3.200
						15.800	8.740
						16.000	10.120
						16.500	20.480
						17.000	24.750
FC-09	AREA	14.500	.000	.000	.000	14.300	6.500
						15.000	13.470
						16.000	36.030
FC-09B	AREA	14.000	.000	.000	.000	16.000	.000
						17.000	.000
FC-10	AREA	15.300	.000	.000	.000	15.000	15.270
						16.000	32.020
						17.000	74.070
FC-11	AREA	15.000	.000	.000	.000	14.000	7.420
						15.000	13.610
						16.000	22.030
						17.000	51.800
FC-12	AREA	15.800	.000	.000	.000	15.000	4.000
						16.000	7.770
						17.000	10.380
FC-13	AREA	15.000	.000	.000	.000	13.000	.590
						14.000	1.420
						15.000	3.560
						16.000	13.620
						17.000	28.000

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
FC-14	AREA	15.000	.000	.000	.000	14.500	5.300
						15.000	8.140
						16.000	16.500
FC-15	AREA	16.000	.000	.000	.000	15.000	1.550
						16.000	2.840
						16.500	8.840
FC-16	AREA	14.000	.000	.000	.000	13.300	.120
						14.000	.940
						15.000	24.150
						16.000	34.400
FC-17	AREA	13.000	.000	.000	.000	12.900	.200
						14.000	6.960
						15.000	12.740
						15.500	20.200
						16.000	24.900
FC-17B	AREA	12.000	.000	.000	.000	10.800	.010
						13.000	.012
						14.000	.030
						15.000	.120
						16.000	.170
FC-18	AREA	12.000	.000	.000	.000	12.000	.060
						12.500	.260
						13.000	5.460
						14.000	9.150
						15.000	15.410
						15.500	30.580
FC-18A	AREA	11.100	.000	.000	.000	16.000	.000
						17.000	.000
FC-18B	AREA	11.940	.000	.000	.000	15.500	.000
						16.500	.000
FC-18C	AREA	10.130	.000	.000	.000	15.000	.000
						16.000	.000

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
FC-18CX	AREA	9.170	.000	.000	.000	9.170	.010
						10.700	.016
						15.000	.033
FC-18D	AREA	10.540	.000	.000	.000	16.000	.000
						17.000	.000
FC-19	AREA	14.000	.000	.000	.000	13.000	1.920
						14.000	3.690
						14.500	5.650
						15.000	7.850
						15.500	12.440
16.000	17.000						
FC-20	AREA	14.700	.000	.000	.000	13.000	5.010
						14.000	8.770
						15.000	18.080
						15.500	24.450
FC-21	AREA	14.700	.000	.000	.000	11.500	.100
						14.699	.150
						14.700	16.280
						15.000	43.630
						15.500	74.270
FC-22	AREA	14.000	.000	.000	.000	13.000	10.070
						14.000	11.840
						15.000	16.490
						16.000	20.400
FC-23A	AREA	10.300	.000	.000	.000	15.000	3.260
						16.000	3.500
FC-23B	AREA	9.700	.000	.000	.000	9.700	.005
						12.000	.050
						13.000	.120
						14.000	.170
						14.800	5.770
						15.000	38.500
15.500	54.500						

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

NODE NAME	NODE TYPE	INI STAGE (ft)	X-COOR (ft)	Y-COOR (ft)	LENGTH (ft)	STAGE (ft)	AR/TM/STR (ac/hr/af)
FC-25	AREA	13.800	.000	.000	.000	13.800	5.870
						14.000	10.860
						15.000	41.710
FC-28	AREA	13.800	.000	.000	.000	13.800	1.770
						14.000	2.340
						15.000	33.480
FC-29	AREA	13.300	.000	.000	.000	13.000	3.550
						13.300	4.280
						14.000	18.660
						15.000	44.520
FC-30	AREA	13.300	.000	.000	.000	13.000	4.310
						13.300	5.440
						14.000	12.350
						15.000	26.820
FC-31	AREA	12.000	.000	.000	.000	12.000	.100
						12.700	5.820
						13.000	15.680
						14.000	35.870
						14.500	53.000
						15.000	67.470

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 029
FROM NODE : 029
TO NODE : 005
REACH TYPE : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 12.700 BTM. WIDTH (ft): 10.000 LEFT SS (h/v): 5.000
RGHT SS (h/v): 5.000 OPENING (ft): 999.000 WEIR COEF.: 2.600
GATE COEF.: .600 NUMBER OF ELEM.: 1.000
NOTE: CALUSA LAKES - WETLAND C

>>REACH NAME : 031
FROM NODE : 031
TO NODE : 009
REACH TYPE : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 12.000 BTM. WIDTH (ft): 10.000 LEFT SS (h/v): 5.000
RGHT SS (h/v): 5.000 OPENING (ft): 999.000 WEIR COEF.: 2.600
GATE COEF.: .600 NUMBER OF ELEM.: 1.000
NOTE: CALUSA LAKES - WETLAND F1

>>REACH NAME : 032
FROM NODE : 032
TO NODE : 009
REACH TYPE : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 12.000 BTM. WIDTH (ft): 10.000 LEFT SS (h/v): 5.000
RGHT SS (h/v): 5.000 OPENING (ft): 999.000 WEIR COEF.: 2.600
GATE COEF.: .600 NUMBER OF ELEM.: 1.000
NOTE: CALUSA LAKES - WETLAND F

>>REACH NAME : 033
FROM NODE : 033
TO NODE : 012
REACH TYPE : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 12.200 BTM. WIDTH (ft): 10.000 LEFT SS (h/v): 5.000
RGHT SS (h/v): 5.000 OPENING (ft): 999.000 WEIR COEF.: 2.600
GATE COEF.: .600 NUMBER OF ELEM.: 1.000
NOTE: CALUSA LAKES - WETLAND D

>>REACH NAME : 034
FROM NODE : 034
TO NODE : 019
REACH TYPE : TRAPEZOIDAL WEIR/GATE/ORIFICE, MAVIS EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 11.500 BTM. WIDTH (ft): 10.000 LEFT SS (h/v): 5.000
RGHT SS (h/v): 5.000 OPENING (ft): 999.000 WEIR COEF.: 2.600
GATE COEF.: .600 NUMBER OF ELEM.: 1.000
NOTE: CALUSA LAKES - WETLAND I

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-01
 FROM NODE : FC-01
 TO NODE : FC-02
 REACH TYPE : RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 16.600 CREST LN. (ft): 80.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000
 NOTE:

>>REACH NAME : 146
 FROM NODE : 146
 TO NODE : 140
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 10.500 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
 WEIR COEF.: 2.800 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	12.000
4.000	10.500
54.000	10.499
58.000	12.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.03	50.00	50.00
1.501	81.03	58.55	58.00
999.000	57935.97	58.55	58.00
1004.000	58225.97	58.55	58.00

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 617
 FROM NODE : 618
 TO NODE : 612
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 10.000 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
 WEIR COEF.: 2.800 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	12.000
8.000	10.000
108.000	9.999
116.000	12.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.05	100.00	100.00
2.001	216.05	116.49	116.00
999.000	115867.90	116.49	116.00
1004.000	116447.90	116.49	116.00

NOTE: EWING STREET

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-02A
 FROM NODE : FC-02
 TO NODE : FC-02B
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 16.000 NUMBER X-Y PTS: 7.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	17.400
300.000	17.000
365.000	17.400
385.000	17.399
430.000	16.000
500.000	17.000
740.000	17.500

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
1.000	51.08	102.19	102.17
1.399	205.25	670.64	670.61
1.400	205.93	692.03	692.00
1.500	277.53	740.03	740.00
999.000	738427.50	740.03	740.00
1004.000	742127.50	740.03	740.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-05A
 FROM NODE : FC-05
 TO NODE : FC-05B
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.200 NUMBER X-Y PTS: 8.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.000
370.000	15.300
420.000	15.200
465.000	17.500
485.000	17.499
530.000	15.500
570.000	16.000
700.000	16.500

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	2.60	51.96	51.96
.300	23.95	161.59	161.58
.800	186.07	486.94	486.91
1.300	467.29	638.01	637.95
2.299	1125.59	680.09	679.98
2.300	1126.28	700.11	700.00
999.000	698816.30	700.11	700.00
1004.000	702316.30	700.11	700.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-06A
 FROM NODE : FC-06
 TO NODE : FC-05
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 16.200 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.400
320.000	16.200
520.000	16.900
900.000	16.600
1000.000	17.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.200	37.71	377.14	377.14
.400	118.86	434.29	434.29
.700	330.25	975.00	975.00
.800	429.00	1000.00	1000.00
999.000	998629.00	1000.00	1000.00
1004.000	1003629.00	1000.00	1000.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-06C
 FROM NODE : FC-06
 TO NODE : FC-07
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 16.300 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	17.000
150.000	16.300
170.000	16.299
280.000	17.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	20.16	20.16
.701	105.06	280.00	280.00
999.000	279628.80	280.00	280.00
1004.000	281028.80	280.00	280.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-07
 FROM NODE : FC-07
 TO NODE : FC-08
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.900 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	17.000
70.000	16.100
75.000	16.099
80.000	16.100
110.000	17.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.00	10.00	10.00
.901	54.00	110.02	110.00
999.000	109844.90	110.02	110.00
1004.000	110394.90	110.02	110.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-08A
FROM NODE : FC-08
TO NODE : FC-09
REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 15.800 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.000
10.000	15.800
30.000	15.799
40.000	16.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	20.04	20.04
.201	6.02	40.01	40.00
999.000	39957.98	40.01	40.00
1004.000	40157.98	40.01	40.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-14A
 FROM NODE : FC-14
 TO NODE : FC-20
 REACH TYPE : RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.300 CREST LN. (ft): 100.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000
 NOTE: WETLAND CONNECTION

>>REACH NAME : FC-14B
 FROM NODE : FC-14
 TO NODE : FC-19
 REACH TYPE : RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.500 CREST LN. (ft): 200.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000
 NOTE: WETLAND CONNECTION

>>REACH NAME : FC-08B
 FROM NODE : FC-08
 TO NODE : FC-09
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.900 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.300
160.000	16.000
166.000	15.900
172.000	16.000
290.000	16.400

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	.60	12.00	12.00
.400	41.48	260.50	260.50
.500	69.00	290.00	290.00
999.000	289634.00	290.00	290.00
1004.000	291084.00	290.00	290.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-09
 FROM NODE : FC-09
 TO NODE : FC-09B
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.500 NUMBER X-Y PTS: 9.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	17.000
170.000	16.000
179.000	15.000
181.000	14.500
221.000	14.499
223.000	15.000
228.000	14.999
270.000	16.000
335.000	17.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.02	39.99	39.99
.500	20.98	44.12	43.99
.501	21.02	49.17	49.04
1.501	95.54	100.19	100.00
2.501	313.04	335.20	335.00
999.000	334140.20	335.20	335.00
1004.000	335815.20	335.20	335.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-10A
FROM NODE : FC-10
TO NODE : FC-11
REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 15.500 NUMBER X-Y PTS: 6.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.400
116.000	16.000
121.000	15.500
131.000	15.499
136.000	16.000
246.000	16.400

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	10.01	10.01
.501	7.51	20.05	20.00
.901	60.71	246.05	246.00
999.000	245593.10	246.05	246.00
1004.000	246823.10	246.05	246.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-16B
 FROM NODE : FC-16
 TO NODE : FC-17
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 15.000 NUMBER X-Y PTS: 6.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.000
120.000	15.000
170.000	16.200
190.000	16.199
300.000	15.000
420.000	16.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
1.000	186.70	373.44	373.41
1.199	263.66	399.99	399.96
1.200	264.07	420.03	420.00
999.000	419340.10	420.03	420.00
1004.000	421440.10	420.03	420.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

```
>>REACH NAME      : FC-17
FROM NODE        : FC-17
TO NODE          : FC-17B
REACH TYPE       : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
FLOW DIRECTION   : POSITIVE AND NEGATIVE FLOWS ALLOWED
  CREST EL. (ft): 13.000  NUMBER X-Y PTS: 8.000  OPENING (ft): 999.000
  WEIR COEF.:    2.600    GATE COEF.:    .600  NUMBER OF ELEM.: 1.000
```

X-VAL (ft)	Y-VAL (ft)
.000	16.000
130.000	15.000
320.000	14.000
340.000	13.000
390.000	12.999
460.000	14.000
660.000	15.000
980.000	15.600

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.03	50.08	50.08
1.001	95.06	140.03	140.00
2.001	430.06	530.04	530.00
2.601	867.46	928.04	928.00
3.001	1249.06	980.04	980.00
999.000	977328.10	980.04	980.00
1004.000	982228.10	980.04	980.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18
 FROM NODE : FC-18
 TO NODE : FC-18A
 REACH TYPE : RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 13.500 CREST LN. (ft): 20.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000
 NOTE: WETLAND OUTFALL

>>REACH NAME : FC-17B
 FROM NODE : FC-17B
 TO NODE : FC-18
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 10.800 NUMBER X-Y PTS: 14.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	16.000
140.000	15.000
320.000	14.000
340.000	13.000
345.000	12.800
352.000	11.800
360.000	10.800
368.000	11.800
375.000	12.800
385.000	13.000
410.000	14.000
560.000	14.300
680.000	15.000
750.000	15.600

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
1.000	8.00	16.13	16.00
2.000	31.00	30.27	30.00
2.200	38.50	45.27	45.00
3.200	106.00	90.32	90.00
3.500	163.60	294.32	294.00
4.200	455.50	540.32	540.00
4.800	825.70	694.33	694.00
5.200	1114.50	750.33	750.00
999.000	746464.50	750.33	750.00
1004.000	750214.50	750.33	750.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18CX
 FROM NODE : FC-18
 TO NODE : FC-18CX
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 12.000 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.000
7.000	12.000
17.000	11.999
24.000	15.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	10.01	10.01
3.001	51.01	25.23	24.00
999.000	23954.98	25.23	24.00
1004.000	24074.98	25.23	24.00

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-18F
FROM NODE : FC-18
TO NODE : FC-23A
REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
CREST EL. (ft): 14.700 NUMBER X-Y PTS: 4.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.000
30.000	14.700
60.000	14.699
90.000	15.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.02	30.10	30.10
.301	18.03	90.00	90.00
999.000	89900.94	90.00	90.00
1004.000	90350.94	90.00	90.00

NOTE: WETLAND OUTFALL TO SLOUGH

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18G
 FROM NODE : FC-18
 TO NODE : FC-23A
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 13.000 NUMBER X-Y PTS: 6.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.000
65.000	14.000
70.000	13.000
95.000	12.999
110.000	14.000
125.000	15.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	25.02	25.02
1.001	35.02	45.13	45.00
2.001	120.02	125.17	125.00
999.000	124744.90	125.17	125.00
1004.000	125369.90	125.17	125.00

NOTE: WETLAND OUTFALL TO SLOUGH

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-19
 FROM NODE : FC-19
 TO NODE : FC-18
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.000 NUMBER X-Y PTS: 6.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.400
260.000	15.000
265.000	14.000
275.000	13.999
280.000	15.000
400.000	15.600

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.01	10.00	10.00
1.001	15.01	20.20	20.00
1.401	91.01	360.20	360.00
1.601	167.01	400.20	400.00
999.000	399126.60	400.20	400.00
1004.000	401126.60	400.20	400.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-20
 FROM NODE : FC-20
 TO NODE : FC-22
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.900 NUMBER X-Y PTS: 14.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.400
145.000	15.000
162.000	14.900
170.000	15.000
210.000	15.500
330.000	15.000
350.000	14.900
365.000	15.000
610.000	15.300
720.000	15.000
760.000	14.900
800.000	15.000
840.000	14.999
875.000	16.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.099	6.86	138.60	138.60
.100	7.02	180.04	180.04
.400	146.57	750.29	750.27
.500	225.18	822.03	822.02
.600	309.16	857.53	857.52
1.100	742.29	875.02	875.00
999.000	873904.80	875.02	875.00
1004.000	878279.80	875.02	875.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-21B
 FROM NODE : FC-21
 TO NODE : FC-28
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.900 NUMBER X-Y PTS: 6.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.600
200.000	15.000
330.000	14.900
410.000	15.000
600.000	15.200
720.000	15.350

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	10.50	210.00	210.00
.300	78.17	466.67	466.67
.450	160.92	636.67	636.67
.700	330.50	720.00	720.00
999.000	719106.50	720.00	720.00
1004.000	722706.50	720.00	720.00

NOTE: WETLANDCONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-28B
 FROM NODE : FC-28
 TO NODE : FC-30
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.600 NUMBER X-Y PTS: 3.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	14.600
400.000	14.700
650.000	14.800

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	20.00	400.00	400.00
.200	72.50	650.00	650.00
999.000	649292.50	650.00	650.00
1004.000	652542.50	650.00	650.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-29A
 FROM NODE : FC-29
 TO NODE : FC-31
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 13.900 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	14.200
170.000	14.000
510.000	13.900
640.000	14.000
750.000	14.100

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	23.50	470.00	470.00
.200	80.25	665.00	665.00
.300	151.00	750.00	750.00
999.000	749176.00	750.00	750.00
1004.000	752926.00	750.00	750.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-22
 FROM NODE : FC-22
 TO NODE : FC-23B
 REACH TYPE : RECTANGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.800 CREST LN. (ft): 600.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000
 NOTE: LAKE CONNECTION TO SLOUGH

>>REACH NAME : FC-29B
 FROM NODE : FC-29
 TO NODE : FC-30
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 14.400 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	14.400
330.000	14.500
760.000	14.600
1040.000	14.500
1320.000	14.600

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.100	16.50	330.00	330.00
.200	99.00	1320.00	1320.00
999.000	1318515.00	1320.00	1320.00
1004.000	1325115.00	1320.00	1320.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-30
 FROM NODE : FC-30
 TO NODE : FC-31
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 13.600 NUMBER X-Y PTS: 5.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	14.800
80.000	14.000
130.000	13.600
260.000	14.000
420.000	14.600

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.400	36.00	180.00	180.00
1.000	210.00	400.01	400.00
1.200	292.00	420.01	420.00
999.000	419368.00	420.01	420.00
1004.000	421468.00	420.01	420.00

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-31
 FROM NODE : FC-31
 TO NODE : 736
 REACH TYPE : IRREGULAR WEIR/GATE/ORIFICE, FREAD EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 CREST EL. (ft): 12.000 NUMBER X-Y PTS: 8.000 OPENING (ft): 999.000
 WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

X-VAL (ft)	Y-VAL (ft)
.000	15.000
8.000	14.000
16.000	13.000
30.000	12.000
65.000	11.999
80.000	13.000
95.000	14.000
105.000	15.000

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)
.000	.00	.00	.00
.001	.02	35.02	35.02
1.001	49.53	64.07	64.00
2.001	125.03	87.17	87.00
3.001	221.03	105.28	105.00
999.000	104800.90	105.28	105.00
1004.000	105325.90	105.28	105.00

NOTE: OUTLET TO DITCH

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 002
FROM NODE : 002
TO NODE : 003
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 383.000
U/S INVERT (ft): 9.180 D/S INVERT (ft): 8.650 MANNING N: .013
ENTRNC LOSS: 1.100 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

>>REACH NAME : 003
FROM NODE : 003
TO NODE : 027
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 110.000
U/S INVERT (ft): 9.100 D/S INVERT (ft): 8.940 MANNING N: .013
ENTRNC LOSS: 1.100 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 010
FROM NODE : 010
TO NODE : 013
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 318.000
U/S INVERT (ft): 8.800 D/S INVERT (ft): 8.360 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

>>REACH NAME : 011
FROM NODE : 011
TO NODE : 012
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 450.000
U/S INVERT (ft): 8.340 D/S INVERT (ft): 7.910 MANNING N: .013
ENTRNC LOSS: 1.300 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 012
FROM NODE : 012
TO NODE : 013
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 30.000 RISE (in): 30.000 LENGTH (ft): 211.000
U/S INVERT (ft): 7.020 D/S INVERT (ft): 6.900 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

>>REACH NAME : 017
FROM NODE : 017
TO NODE : 018
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 15.000 RISE (in): 15.000 LENGTH (ft): 80.000
U/S INVERT (ft): 10.320 D/S INVERT (ft): 10.100 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 026
FROM NODE : 026
TO NODE : 032
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 30.000 RISE (in): 30.000 LENGTH (ft): 156.000
U/S INVERT (ft): 9.000 D/S INVERT (ft): 8.460 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

>>REACH NAME : 028
FROM NODE : 028
TO NODE : 736
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 145.000
U/S INVERT (ft): 8.110 D/S INVERT (ft): 8.120 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 035
FROM NODE : 035
TO NODE : 016
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 42.000 RISE (in): 42.000 LENGTH (ft): 544.000
U/S INVERT (ft): 6.660 D/S INVERT (ft): 5.560 MANNING N: .013
ENTRNC LOSS: .800 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE: CALUSA LAKES

>>REACH NAME : 037
FROM NODE : 037
TO NODE : 640
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 12.000 RISE (in): 12.000 LENGTH (ft): 60.000
U/S INVERT (ft): 9.090 D/S INVERT (ft): 8.940 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 2.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 143
FROM NODE : 146
TO NODE : 140
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 25.000
U/S INVERT (ft): 3.580 D/S INVERT (ft): 3.340 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

>>REACH NAME : 144
FROM NODE : 146
TO NODE : 140
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 84.000 RISE (in): 84.000 LENGTH (ft): 28.000
U/S INVERT (ft): .720 D/S INVERT (ft): .130 MANNING N: .024
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 145
FROM NODE : 146
TO NODE : 140
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 25.000
U/S INVERT (ft): 3.220 D/S INVERT (ft): 3.420 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

>>REACH NAME : 614
FROM NODE : 618
TO NODE : 612
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 48.000 RISE (in): 48.000 LENGTH (ft): 41.000
U/S INVERT (ft): 3.690 D/S INVERT (ft): 3.720 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 615
FROM NODE : 618
TO NODE : 612
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 48.000 RISE (in): 48.000 LENGTH (ft): 41.000
U/S INVERT (ft): 3.930 D/S INVERT (ft): 3.670 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

>>REACH NAME : 616
FROM NODE : 618
TO NODE : 612
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 41.000
U/S INVERT (ft): 3.320 D/S INVERT (ft): 3.690 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 720
FROM NODE : 720
TO NODE : 710
REACH TYPE : CULVERT, RECTANGULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 120.000 RISE (in): 42.000 LENGTH (ft): 261.000
U/S INVERT (ft): 8.800 D/S INVERT (ft): 8.800 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft): 17.400 CREST LN. (ft):1000.000 WEIR COEF.: 2.800
RESERVED:***** RESERVED:***** RESERVED:*****

POSITION B : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft):***** CREST LN. (ft):***** WEIR COEF.:*****
RESERVED:***** RESERVED:***** RESERVED:*****

NOTE: I-75 CROSSING AT LATERAL 1

>>REACH NAME : 740
FROM NODE : 740
TO NODE : 738
REACH TYPE : CULVERT, ELLIPTICAL w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 45.000 RISE (in): 29.000 LENGTH (ft): 83.500
U/S INVERT (ft): 8.950 D/S INVERT (ft): 8.970 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft): 12.000 CREST LN. (ft): 50.000 WEIR COEF.: 2.800
RESERVED:***** RESERVED:***** RESERVED:*****

POSITION B : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft):***** CREST LN. (ft):***** WEIR COEF.:*****
RESERVED:***** RESERVED:***** RESERVED:*****

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-18CX1
FROM NODE : FC-18CX
TO NODE : FC-18C
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 20.000
U/S INVERT (ft): 9.170 D/S INVERT (ft): 10.130 MANNING N: .024
ENTRNC LOSS: .900 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

>>REACH NAME : FC-18CX2
FROM NODE : FC-18CX
TO NODE : FC-18C
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 20.000
U/S INVERT (ft): 11.100 D/S INVERT (ft): 10.930 MANNING N: .024
ENTRNC LOSS: .900 # OF CULVERTS: 1.000

POSITION A : NOT USED

POSITION B : NOT USED

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-21
FROM NODE : FC-21
TO NODE : FC-20
REACH TYPE : CULVERT, CIRCULAR w/ ROADWAY
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 48.000 RISE (in): 48.000 LENGTH (ft): 105.000
U/S INVERT (ft): 11.500 D/S INVERT (ft): 11.500 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 2.000

POSITION A : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft): 20.000 CREST LN. (ft): 100.000 WEIR COEF.: 2.800
RESERVED:***** RESERVED:***** RESERVED:*****

POSITION B : RECTANGULAR ROADWAY/BERM WEIR
CREST EL. (ft):***** CREST LN. (ft):***** WEIR COEF.:*****
RESERVED:***** RESERVED:***** RESERVED:*****

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 001
FROM NODE : 001
TO NODE : 740
REACH TYPE : DROP STRUCTURE w/ ELLP. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 38.000 RISE (in): 24.000 LENGTH (ft): 45.000
U/S INVERT (ft): 7.750 D/S INVERT (ft): 7.710 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.000 CREST LN. (ft): 3.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 19.200 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 1 OUTFALL

>>REACH NAME : 004
FROM NODE : 004
TO NODE : 734
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 210.000
U/S INVERT (ft): 8.110 D/S INVERT (ft): 7.670 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.670 CREST LN. (ft): 4.800 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 20.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 4 OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 005
FROM NODE : 005
TO NODE : 006
REACH TYPE : DROP STRUCTURE w/ ELLP. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 23.000 RISE (in): 14.000 LENGTH (ft): 148.000
U/S INVERT (ft): 8.260 D/S INVERT (ft): 7.730 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.000 CREST LN. (ft): 3.500 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 05

>>REACH NAME : 006
FROM NODE : 006
TO NODE : 732
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 273.000
U/S INVERT (ft): 7.580 D/S INVERT (ft): 7.240 MANNING N: .024
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 8.990 CREST LN. (ft): 10.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.750 CREST LN. (ft): 20.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 6 OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 008
FROM NODE : 008
TO NODE : 006
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 546.000
U/S INVERT (ft): 8.840 D/S INVERT (ft): 6.660 MANNING N: .013
ENTRNC LOSS: 1.300 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.150 CREST LN. (ft): 7.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 13.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 08

>>REACH NAME : 009
FROM NODE : 009
TO NODE : 008
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 36.000 RISE (in): 36.000 LENGTH (ft): 480.000
U/S INVERT (ft): 9.100 D/S INVERT (ft): 8.380 MANNING N: .013
ENTRNC LOSS: 1.700 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.130 CREST LN. (ft): 2.750 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 13.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 09

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 013
FROM NODE : 013
TO NODE : 035
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 42.000 RISE (in): 42.000 LENGTH (ft): 730.000
U/S INVERT (ft): 8.040 D/S INVERT (ft): 6.660 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.040 CREST LN. (ft): 7.500 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 14.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 13

>>REACH NAME : 014
FROM NODE : 014
TO NODE : 035
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 18.000 RISE (in): 18.000 LENGTH (ft): 118.000
U/S INVERT (ft): 8.150 D/S INVERT (ft): 6.660 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.500 CREST LN. (ft): 1.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 14

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 015
FROM NODE : 015
TO NODE : 016
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 18.000 RISE (in): 18.000 LENGTH (ft): 130.000
U/S INVERT (ft): 8.580 D/S INVERT (ft): 7.980 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.630 CREST LN. (ft): .720 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 15

>>REACH NAME : 016
FROM NODE : 016
TO NODE : 630
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 48.000 RISE (in): 48.000 LENGTH (ft): 150.000
U/S INVERT (ft): 6.410 D/S INVERT (ft): 6.150 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.460 CREST LN. (ft): 20.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 23.410 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 16 OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : 018
FROM NODE : 018
TO NODE : 019
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 436.000
U/S INVERT (ft): 9.340 D/S INVERT (ft): 8.220 MANNING N: .013
ENTRNC LOSS: .900 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.700 CREST LN. (ft): 12.500 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 16.700 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 18

>>REACH NAME : 019
FROM NODE : 019
TO NODE : 024
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 41.000
U/S INVERT (ft): 8.460 D/S INVERT (ft): 8.290 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.190 CREST LN. (ft): 3.250 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 13.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 19

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : 020
FROM NODE : 020
TO NODE : 022
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 290.000
U/S INVERT (ft): 8.970 D/S INVERT (ft): 8.450 MANNING N: .013
ENTRNC LOSS: .900 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.450 CREST LN. (ft): 3.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 13.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 20

>>REACH NAME : 021
FROM NODE : 021
TO NODE : 022
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 18.000 RISE (in): 18.000 LENGTH (ft): 124.000
U/S INVERT (ft): 8.730 D/S INVERT (ft): 8.360 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.170 CREST LN. (ft): 2.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 21

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : 022
FROM NODE : 022
TO NODE : 025
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 283.000
U/S INVERT (ft): 7.710 D/S INVERT (ft): 7.390 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.000 CREST LN. (ft): 3.500 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 13.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 22

>>REACH NAME : 023
FROM NODE : 023
TO NODE : 022
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 18.000 RISE (in): 18.000 LENGTH (ft): 590.000
U/S INVERT (ft): 9.530 D/S INVERT (ft): 8.590 MANNING N: .013
ENTRNC LOSS: 1.500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 10.170 CREST LN. (ft): 3.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.500 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 23

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : 024
FROM NODE : 024
TO NODE : 025
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 30.000 RISE (in): 30.000 LENGTH (ft): 626.000
U/S INVERT (ft): 7.350 D/S INVERT (ft): 6.470 MANNING N: .013
ENTRNC LOSS: 1.700 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.130 CREST LN. (ft): 10.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 13.400 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 24

>>REACH NAME : 025
FROM NODE : 025
TO NODE : 626
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 24.000 RISE (in): 24.000 LENGTH (ft): 247.000
U/S INVERT (ft): 6.520 D/S INVERT (ft): 6.130 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.070 CREST LN. (ft): 7.500 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 21.400 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 5 OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : 027
FROM NODE : 027
TO NODE : 736
REACH TYPE : DROP STRUCTURE w/ ELLP. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 38.000 RISE (in): 24.000 LENGTH (ft): 61.000
U/S INVERT (ft): 8.710 D/S INVERT (ft): 8.450 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.980 CREST LN. (ft): 4.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 19.200 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - LAKE 3A OUTFALL

>>REACH NAME : 030
FROM NODE : 030
TO NODE : 006
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 18.000 RISE (in): 18.000 LENGTH (ft): 239.000
U/S INVERT (ft): 8.640 D/S INVERT (ft): 8.060 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.650 CREST LN. (ft): 2.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : RECTANGULAR RISER SLOT
CREST EL. (ft): 11.000 CREST LN. (ft): 12.300 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

NOTE: CALUSA LAKES - WETLAND E

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : 036
FROM NODE : 036
TO NODE : 016
REACH TYPE : DROP STRUCTURE w/ ELLP. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 30.000 RISE (in): 19.000 LENGTH (ft): 380.000
U/S INVERT (ft): 8.800 D/S INVERT (ft): 8.240 MANNING N: .013
ENTRNC LOSS: 1.300 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 9.300 CREST LN. (ft): 11.230 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE:

>>REACH NAME : 632
FROM NODE : 632
TO NODE : 630
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 48.000 RISE (in): 48.000 LENGTH (ft): 144.500
U/S INVERT (ft): 6.650 D/S INVERT (ft): 6.370 MANNING N: .013
ENTRNC LOSS: .500 # OF CULVERTS: 2.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 7.980 CREST LN. (ft): 13.800 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE: CALUSA LAKES ENTRANCE CROSSING

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : FC-02
FROM NODE : FC-02
TO NODE : FC-02B
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 42.000 RISE (in): 42.000 LENGTH (ft): 20.000
U/S INVERT (ft): 12.830 D/S INVERT (ft): 12.880 MANNING N: .024
ENTRNC LOSS: .900 # OF CULVERTS: 2.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 15.000 CREST LN. (ft): 40.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE: WETLAND OUTFALL

>>REACH NAME : FC-05
FROM NODE : FC-05
TO NODE : FC-05B
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 42.000 RISE (in): 42.000 LENGTH (ft): 20.000
U/S INVERT (ft): 13.000 D/S INVERT (ft): 12.800 MANNING N: .024
ENTRNC LOSS: .900 # OF CULVERTS: 2.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 14.700 CREST LN. (ft): 25.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
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>>REACH NAME : FC-16A
FROM NODE : FC-16
TO NODE : FC-17
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 42.000 RISE (in): 42.000 LENGTH (ft): 20.000
U/S INVERT (ft): 11.400 D/S INVERT (ft): 11.650 MANNING N: .024
ENTRNC LOSS: .900 # OF CULVERTS: 2.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 14.000 CREST LN. (ft): 30.000 OPENING (ft): 999.000
WEIR COEF.: 2.600 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE: WETLAND OUTFALL

>>REACH NAME : FC-18E
FROM NODE : FC-18
TO NODE : FC-23A
REACH TYPE : DROP STRUCTURE w/ CIRC. CULVERT
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
TURBO SWITCH : OFF

CULVERT DATA :
SPAN (in): 12.000 RISE (in): 12.000 LENGTH (ft): 120.000
U/S INVERT (ft): 11.470 D/S INVERT (ft): 11.200 MANNING N: .024
ENTRNC LOSS: .500 # OF CULVERTS: 1.000

POSITION A : RECTANGULAR RISER SLOT
CREST EL. (ft): 12.500 CREST LN. (ft): 3.000 OPENING (ft): 999.000
WEIR COEF.: 3.200 GATE COEF.: .600 NUMBER OF ELEM.: 1.000

POSITION B : NOT USED

NOTE: WETLAND OUTFALL

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 120
 FROM NODE : 120
 TO NODE : 000
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1525.000 U/S INVERT (ft): -2.460 D/S INVERT (ft): -2.950
 MAX. DEPTH (ft): 9.900

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	7.000	.125
15.000	6.000	.125
25.000	5.300	.080
45.000	-2.700	.040
57.500	-2.900	.040
70.000	-2.300	.040
90.000	2.800	.040
165.000	4.000	.060
220.000	5.000	.100
225.000	6.000	.125
235.000	7.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.200	1.67	16.68	16.67	13.3
.600	10.20	26.10	26.00	202.6
5.700	226.31	60.47	58.75	20267.4
6.900	343.61	138.71	136.75	31866.3
7.900	509.11	196.41	194.25	45910.2
8.200	567.72	198.75	196.50	50983.0
8.900	710.00	212.34	210.00	65103.0
9.900	932.50	237.43	235.00	88762.7
9.900	932.50	237.43	235.00	88762.7
14.900	2107.50	237.43	235.00	261287.3

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 130
 FROM NODE : 130
 TO NODE : 120
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft):1550.000 U/S INVERT (ft): -1.210 D/S INVERT (ft): -2.460
 MAX. DEPTH (ft): 9.100

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	7.000	.125
65.000	6.000	.125
105.000	5.000	.080
115.000	4.100	.060
128.000	.400	.040
151.000	-1.000	.040
179.000	-2.100	.040
188.000	4.500	.060
260.000	5.000	.080
340.000	6.000	.125
375.000	7.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.100	16.23	29.89	29.50	395.7
2.500	74.96	55.30	54.41	3368.8
6.200	309.66	75.07	72.45	29423.6
6.600	339.64	80.21	77.44	34023.8
7.100	397.75	157.79	155.00	40407.1
8.100	612.75	277.81	275.00	56745.8
9.100	937.75	377.83	375.00	78777.6
14.100	2812.75	377.83	375.00	267654.7

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 132
 FROM NODE : 132
 TO NODE : 130
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1150.000 U/S INVERT (ft): -2.400 D/S INVERT (ft): -1.210
 MAX. DEPTH (ft): 9.100

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	7.000	.125
25.000	6.000	.125
40.000	5.000	.100
77.000	3.600	.060
81.000	1.400	.040
91.000	.500	.040
111.000	-2.100	.040
126.000	-.900	.040
130.000	-.200	.040
135.000	6.100	.080
200.000	7.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.200	14.54	24.36	24.23	382.9
1.900	34.78	33.85	33.62	1316.0
2.600	60.39	40.18	39.56	2974.2
3.500	100.82	51.37	50.27	5943.4
5.700	217.73	58.74	56.02	19747.2
7.100	322.83	97.55	94.13	33147.1
8.100	424.85	113.86	109.92	45688.4
8.200	435.97	116.49	112.50	47078.9
9.100	576.60	204.02	200.00	60949.0
14.100	1576.60	204.02	200.00	182694.2

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 134
 FROM NODE : 134
 TO NODE : 132
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1300.000 U/S INVERT (ft): -2.990 D/S INVERT (ft): -2.400
 MAX. DEPTH (ft): 10.900

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	10.000	.100
12.000	9.620	.100
23.000	7.470	.100
31.000	4.560	.080
44.000	2.770	.040
46.000	1.960	.040
54.000	.260	.040
70.000	-.940	.040
85.000	-.490	.040
90.000	.890	.040
98.000	7.990	.080
150.000	10.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.450	4.73	21.03	21.00	64.9
1.200	25.24	33.88	33.72	770.9
1.830	48.14	39.27	38.96	2048.4
2.900	93.17	46.03	45.21	5612.9
3.710	130.97	49.41	48.12	9477.7
5.500	230.54	65.23	63.14	20111.1
8.410	430.67	78.13	74.41	52731.8
8.930	470.21	81.62	77.66	59961.4
10.560	637.96	132.32	128.17	85817.6
10.900	684.86	151.87	147.70	91834.5
10.940	690.82	151.87	150.00	92580.6
15.940	1440.81	151.87	150.00	212259.2

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 136
 FROM NODE : 136
 TO NODE : 134
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1075.000 U/S INVERT (ft): -1.200 D/S INVERT (ft): -2.990
 MAX. DEPTH (ft): 12.700

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	10.100	.100
13.000	8.000	.100
24.000	2.900	.060
34.000	1.800	.040
35.000	-.400	.040
42.000	-2.700	.040
52.000	-1.700	.040
66.000	8.400	.080
100.000	10.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.000	6.52	13.26	13.04	151.0
2.300	27.22	19.65	18.80	1279.8
4.500	73.04	25.82	22.85	5465.2
5.600	104.52	37.76	34.38	7364.3
10.700	325.91	58.60	52.45	38174.0
11.100	347.50	61.80	55.48	41620.6
12.700	471.38	105.87	99.38	57590.9
12.800	481.35	105.87	100.00	58723.7
17.800	981.35	105.87	100.00	131664.7

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 140
 FROM NODE : 140
 TO NODE : 136
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1275.000 U/S INVERT (ft): .130 D/S INVERT (ft): -1.200
 MAX. DEPTH (ft): 11.200

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	10.000	.060
40.000	6.900	.060
58.000	.800	.040
67.000	-1.200	.040
73.000	-.300	.040
80.000	8.300	.080
100.000	10.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.900	4.52	10.22	10.05	97.6
2.000	18.79	16.71	15.90	771.0
8.100	185.80	43.58	38.86	18094.5
9.500	253.65	63.50	58.06	27633.8
11.200	388.00	105.58	100.00	43093.7
16.200	888.00	105.58	100.00	119268.5

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 148
 FROM NODE : 148
 TO NODE : 146
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1050.000 U/S INVERT (ft): 1.200 D/S INVERT (ft): .720
 MAX. DEPTH (ft): 12.600

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	12.000	.080
50.000	10.200	.080
55.000	5.810	.040
56.000	-.650	.040
72.000	-.651	.040
83.000	8.800	.060
130.000	10.000	.125
180.000	12.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.01	16.01	16.00	.0
6.461	130.89	32.46	24.52	12251.7
9.451	214.50	41.58	31.41	22958.9
10.651	281.21	90.41	79.77	28941.8
10.851	297.68	95.72	85.00	30097.8
12.600	527.07	188.09	177.31	44666.8
12.651	536.18	188.09	180.00	45234.4
17.651	1436.18	188.09	180.00	128045.9

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 149
 FROM NODE : 149
 TO NODE : 148
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 60.000 U/S INVERT (ft): 1.300 D/S INVERT (ft): 1.200
 MAX. DEPTH (ft): 14.000

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.200	.020
7.000	10.700	.020
17.000	10.500	.040
47.000	5.150	.040
50.000	1.200	.040
58.000	1.199	.040
62.000	4.080	.040
85.000	9.700	.040
95.000	10.000	.040
102.000	15.200	.020

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.00	8.00	8.00	.0
2.881	31.96	16.55	14.19	1841.0
3.951	49.91	22.40	19.38	3163.6
8.501	238.50	67.49	63.51	20557.0
8.801	259.30	79.20	75.20	21240.4
9.301	297.77	82.89	78.67	26104.7
9.501	314.53	93.22	88.94	26473.0
14.000	744.05	109.09	102.00	106995.1
14.001	744.15	109.09	102.00	107019.1
19.001	1254.15	109.09	102.00	255881.4

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 150
 FROM NODE : 150
 TO NODE : 149
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 185.000 U/S INVERT (ft): 1.700 D/S INVERT (ft): 1.300
 MAX. DEPTH (ft): 13.500

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.000	.125
250.000	14.000	.125
530.000	13.000	.125
620.000	12.000	.125
625.000	11.000	.080
628.000	10.000	.060
631.000	9.000	.060
633.000	8.000	.060
635.000	4.950	.060
642.000	1.450	.040
646.000	1.449	.040
653.000	4.950	.040
660.000	10.000	.060
780.000	11.000	.080
970.000	12.000	.125
1310.000	14.000	.125
1750.000	15.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.00	4.01	4.00	.0
3.501	38.51	19.66	18.00	2239.7
6.551	102.90	28.52	24.23	10059.7
7.551	128.82	32.47	27.61	13701.9
8.551	158.63	37.34	32.00	17930.6
9.551	252.13	160.50	155.00	23606.2
10.551	504.63	355.61	350.00	33768.3
11.551	984.63	615.61	610.00	50254.5
12.551	1819.63	1065.62	1060.00	75906.0
13.500	3136.28	1720.43	1714.81	111186.9
13.551	3224.63	1720.43	1750.00	114168.6
18.551	11974.63	1720.43	1750.00	623471.5

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 151
 FROM NODE : 151
 TO NODE : 150
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 60.000 U/S INVERT (ft): 2.100 D/S INVERT (ft): 1.700
 MAX. DEPTH (ft): 13.000

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.200	.020
7.000	10.700	.020
27.000	9.300	.040
40.000	4.800	.040
52.000	2.900	.040
54.000	2.100	.040
57.000	2.800	.040
60.000	4.600	.040
72.000	9.500	.040
92.000	10.000	.040
99.000	15.200	.020

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.700	1.66	4.97	4.75	29.8
.800	2.16	5.43	5.17	43.3
2.500	22.48	19.61	18.74	914.7
2.700	26.40	21.41	20.49	1127.6
7.200	172.65	47.08	44.51	15253.9
7.400	181.89	50.47	47.86	15883.8
7.900	212.60	77.64	75.00	15459.6
8.600	268.93	88.83	85.94	21061.7
13.000	675.16	104.35	98.71	93871.1
13.100	685.05	104.35	99.00	96137.3
18.100	1180.05	104.35	99.00	238886.2

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 152
 FROM NODE : 152
 TO NODE : 151
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 300.000 U/S INVERT (ft): 6.100 D/S INVERT (ft): 2.100
 MAX. DEPTH (ft): 8.200

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.000	.125
50.000	14.000	.125
100.000	13.900	.125
170.000	13.000	.125
225.000	12.000	.125
330.000	11.000	.125
381.000	10.500	.100
388.000	8.500	.080
395.000	6.500	.040
407.000	9.100	.080
418.000	11.600	.100
525.000	12.000	.125
550.000	13.000	.125
690.000	14.000	.125
900.000	14.300	.125
1300.000	14.700	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
2.000	16.23	16.73	16.23	422.2
2.600	27.43	21.75	21.10	899.5
4.000	64.71	33.16	32.16	2906.2
4.500	94.09	86.42	85.36	4005.4
5.100	165.00	152.13	151.00	6039.7
5.500	255.20	301.13	300.00	8039.9
6.500	595.20	381.16	380.00	16704.3
7.400	1025.40	577.17	576.00	28104.1
7.500	1086.20	641.17	640.00	29116.4
7.800	1311.95	866.18	865.00	33635.3
8.200	1741.95	1286.18	1285.00	42024.0
8.500	2129.70	1286.18	1300.00	52527.1
13.500	8629.70	1286.18	1300.00	396583.4

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 154
 FROM NODE : 154
 TO NODE : 152
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 350.000 U/S INVERT (ft): 7.000 D/S INVERT (ft): 6.100
 MAX. DEPTH (ft): 7.900

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	14.700	.125
50.000	14.000	.125
245.000	13.900	.125
275.000	13.000	.125
335.000	12.000	.125
420.000	11.000	.125
556.000	10.900	.100
563.000	8.900	.080
570.000	6.800	.040
584.000	9.000	.080
598.000	11.200	.100
650.000	12.000	.125
710.000	13.000	.125
740.000	14.000	.125
1150.000	14.200	.125
1500.000	14.700	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
2.100	21.38	20.84	20.36	541.1
2.200	23.47	21.85	21.35	621.3
4.100	81.84	41.01	40.09	3520.5
4.200	92.68	177.65	176.73	3760.0
4.400	129.85	195.94	195.00	4424.5
5.200	333.85	315.95	315.00	9099.1
6.200	708.85	435.97	435.00	19647.8
7.100	1126.00	493.00	492.00	34222.6
7.200	1185.10	691.00	690.00	34133.2
7.400	1365.53	1115.29	1114.29	36396.5
7.900	2019.10	1501.00	1500.00	50779.4
7.900	2019.10	1501.00	1500.00	50779.5
12.900	9519.10	1501.00	1500.00	429394.2

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 156
 FROM NODE : 156
 TO NODE : 154
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 425.000 U/S INVERT (ft): 7.300 D/S INVERT (ft): 7.000
 MAX. DEPTH (ft): 7.700

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.300	.125
20.000	15.000	.125
150.000	14.600	.125
390.000	14.000	.125
420.000	13.000	.125
455.000	12.000	.125
658.000	11.300	.100
664.000	9.200	.080
670.000	7.000	.040
682.000	9.400	.080
694.000	11.900	.100
850.000	12.000	.125
920.000	13.000	.125
950.000	14.000	.125
1600.000	14.500	.125
1850.000	15.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
2.200	18.70	17.62	17.00	486.9
2.400	22.26	19.24	18.57	629.2
4.300	71.36	34.31	33.12	3173.9
4.900	144.30	211.25	210.00	4774.3
5.000	174.55	396.25	395.00	5200.0
6.000	622.05	501.27	500.00	14609.7
7.000	1152.05	561.31	560.00	31376.8
7.500	1644.55	1411.31	1410.00	38321.7
7.600	1790.05	1501.31	1500.00	41319.1
7.700	1944.18	1583.81	1582.50	44553.6
8.000	2456.05	1583.81	1830.00	57690.5
8.300	3008.05	1583.81	1850.00	73918.5
13.300	12258.05	1583.81	1850.00	612351.8

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 158
 FROM NODE : 158
 TO NODE : 156
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 680.000 U/S INVERT (ft): 7.500 D/S INVERT (ft): 7.300
 MAX. DEPTH (ft): 7.200

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.100	.125
40.000	15.000	.125
250.000	14.900	.125
350.000	14.100	.125
440.000	15.000	.125
565.000	14.900	.125
590.000	14.000	.125
640.000	13.000	.125
755.000	12.000	.125
771.000	11.500	.100
793.000	9.700	.080
815.000	7.900	.040
830.000	9.900	.080
844.000	11.900	.100
1030.000	12.000	.125
1180.000	13.000	.125
1250.000	14.000	.125
1510.000	15.000	.125
1600.000	15.100	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.800	31.95	35.70	35.50	893.3
2.000	39.44	39.67	39.44	1233.8
3.600	127.16	70.60	70.20	6086.9
4.000	158.36	86.24	85.80	7953.9
4.100	176.40	275.44	275.00	8487.2
5.100	583.90	540.44	540.00	17845.2
6.100	1183.90	660.46	660.00	35314.1
6.200	1251.34	689.24	688.78	37193.4
7.000	1966.45	1099.49	1099.00	55161.0
7.100	2094.90	1470.49	1470.00	56275.3
7.200	2248.40	1600.49	1600.00	58502.6
12.200	10248.40	1600.49	1600.00	472284.4

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 612
 FROM NODE : 612
 TO NODE : 136
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 600.000 U/S INVERT (ft): 2.800 D/S INVERT (ft): -1.200
 MAX. DEPTH (ft): 11.500

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	12.200	.040
18.000	.900	.040
21.000	.700	.040
24.000	.699	.040
48.000	12.300	.080

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.00	3.00	3.00	.0
.201	.94	6.47	6.42	9.6
11.500	307.18	53.68	47.79	29081.2
11.501	307.22	53.68	47.79	29088.4
11.601	312.01	53.68	48.00	29817.7
16.601	552.01	53.68	48.00	75018.6

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 624
 FROM NODE : 624
 TO NODE : 618
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft):1000.000 U/S INVERT (ft): 3.600 D/S INVERT (ft): 2.800
 MAX. DEPTH (ft): 8.100

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	12.200	.040
9.000	4.900	.040
16.000	4.100	.040
23.000	5.200	.040
37.000	13.500	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.800	4.84	12.20	12.09	97.0
1.100	8.81	14.61	14.37	233.4
8.100	180.93	39.45	34.81	18554.4
8.100	180.93	39.45	34.81	18554.4
9.400	227.60	39.45	37.00	27200.0
14.400	412.60	39.45	37.00	73310.1

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 626
 FROM NODE : 626
 TO NODE : 624
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 900.000 U/S INVERT (ft): 4.300 D/S INVERT (ft): 3.600
 MAX. DEPTH (ft): 9.100

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	11.500	.040
12.000	4.500	.040
23.000	2.400	.040
35.000	5.300	.040
43.000	12.700	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
2.100	20.67	20.14	19.69	781.6
2.900	38.30	25.13	24.37	1884.1
9.100	243.13	46.57	41.70	27182.7
10.300	293.95	46.57	43.00	37298.3
15.300	508.95	46.57	43.00	93116.2

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 628
 FROM NODE : 628
 TO NODE : 626
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1550.000 U/S INVERT (ft): 5.600 D/S INVERT (ft): 4.300
 MAX. DEPTH (ft): 7.600

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	12.900	.040
8.000	6.000	.040
15.000	5.300	.040
23.000	6.200	.040
33.000	14.000	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.700	4.63	13.30	13.22	85.1
.900	7.47	15.39	15.23	171.5
7.600	164.33	36.54	31.59	16631.0
7.600	164.33	36.54	31.59	16631.0
8.700	199.85	36.54	33.00	23045.3
13.700	364.85	36.54	33.00	62844.4

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 630
 FROM NODE : 630
 TO NODE : 628
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 550.000 U/S INVERT (ft): 6.000 D/S INVERT (ft): 5.600
 MAX. DEPTH (ft): 6.400

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	12.600	.040
10.000	7.000	.040
17.000	6.200	.040
25.000	6.400	.040
40.000	14.300	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.200	.97	9.76	9.75	7.8
.800	8.74	16.34	16.14	214.1
6.400	156.89	39.82	36.77	14541.2
8.100	222.15	39.82	40.00	25961.9
13.100	422.15	39.82	40.00	75689.7

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 640
 FROM NODE : 640
 TO NODE : 632
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1500.000 U/S INVERT (ft): 8.500 D/S INVERT (ft): 6.600
 MAX. DEPTH (ft): 6.500

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	13.800	.040
8.000	8.000	.040
11.000	7.300	.040
15.000	7.800	.040
26.000	14.100	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.500	1.54	6.23	6.14	22.4
.700	2.88	7.52	7.35	56.6
6.500	98.08	29.07	25.48	8196.9
6.800	105.80	29.07	26.00	9300.5
11.800	235.80	29.07	26.00	35367.2

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 650
 FROM NODE : 740
 TO NODE : 640
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 500.000 U/S INVERT (ft): 6.000 D/S INVERT (ft): 6.000
 MAX. DEPTH (ft): 7.000

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	13.000	.100
10.000	12.000	.100
15.000	11.000	.080
20.000	10.000	.060
28.000	6.000	.040
32.000	5.999	.040
40.000	10.000	.060
45.000	12.000	.100
50.000	13.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.00	4.01	4.00	.0
4.001	48.01	21.90	20.00	2757.7
5.001	71.76	29.69	27.50	4893.1
6.001	103.01	37.48	35.00	7717.5
7.000	145.46	52.61	49.99	11351.7
7.001	145.51	52.61	50.00	11355.9
12.001	395.51	52.61	50.00	41387.5

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 710
 FROM NODE : 710
 TO NODE : 158
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft):1000.000 U/S INVERT (ft): 8.800 D/S INVERT (ft): 7.500
 MAX. DEPTH (ft): 8.600

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	14.600	.080
11.000	8.600	.080
17.000	6.000	.040
24.000	8.600	.040
30.000	13.300	.080
43.000	17.300	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
2.600	16.90	14.01	13.00	711.5
7.300	112.35	31.45	27.62	10107.7
8.600	152.55	38.58	34.22	14637.9
11.300	256.80	38.58	43.00	27811.4
16.300	471.80	38.58	43.00	65225.9

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-03A
FROM NODE : FC-03
TO NODE : FC-02
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 100.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 80.000 U/S INVERT (ft): 17.200 D/S INVERT (ft): 17.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-03B
FROM NODE : FC-03
TO NODE : FC-04
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 250.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 230.000 U/S INVERT (ft): 17.300 D/S INVERT (ft): 17.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-03C
FROM NODE : FC-03
TO NODE : FC-01
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 200.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 200.000 U/S INVERT (ft): 17.300 D/S INVERT (ft): 17.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-04A
FROM NODE : FC-04
TO NODE : FC-06
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 100.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 230.000 U/S INVERT (ft): 17.100 D/S INVERT (ft): 17.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-04B
FROM NODE : FC-04
TO NODE : FC-05
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 200.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 400.000 U/S INVERT (ft): 17.200 D/S INVERT (ft): 16.800
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-06B
FROM NODE : FC-06
TO NODE : FC-05
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 100.000 LEFT SS (h/v): 5.000 RGHT SS (h/v): 5.000
LENGTH (ft): 800.000 U/S INVERT (ft): 16.200 D/S INVERT (ft): 16.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-10B
FROM NODE : FC-10
TO NODE : FC-09
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 400.000 LEFT SS (h/v): 20.000 RGHT SS (h/v): 20.000
LENGTH (ft): 600.000 U/S INVERT (ft): 16.400 D/S INVERT (ft): 16.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-10C
FROM NODE : FC-10
TO NODE : FC-08
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 250.000 LEFT SS (h/v): 20.000 RGHT SS (h/v): 20.000
LENGTH (ft): 230.000 U/S INVERT (ft): 16.500 D/S INVERT (ft): 16.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
10-26-94

>>REACH NAME : FC-11
FROM NODE : FC-11
TO NODE : FC-13
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 100.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
LENGTH (ft): 500.000 U/S INVERT (ft): 15.400 D/S INVERT (ft): 15.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLANDFLOW SIMULATION

>>REACH NAME : FC-12A
FROM NODE : FC-12
TO NODE : FC-11
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 300.000 LEFT SS (h/v): 1.000 RGHT SS (h/v): 1.000
LENGTH (ft): 550.000 U/S INVERT (ft): 16.800 D/S INVERT (ft): 16.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-12B
FROM NODE : FC-12
TO NODE : FC-13
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 400.000 LEFT SS (h/v): 1.000 RGHT SS (h/v): 1.000
LENGTH (ft): 550.000 U/S INVERT (ft): 16.900 D/S INVERT (ft): 15.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-12C
FROM NODE : FC-12
TO NODE : FC-14
REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
OUTLET CONTROL : FREE
BOT. WIDTH (ft): 400.000 LEFT SS (h/v): 1.000 RGHT SS (h/v): 1.000
LENGTH (ft): 500.000 U/S INVERT (ft): 16.900 D/S INVERT (ft): 16.000
MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-12D
 FROM NODE : FC-12
 TO NODE : FC-15
 REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 BOT. WIDTH (ft): 300.000 LEFT SS (h/v): 1.000 RGHT SS (h/v): 1.000
 LENGTH (ft): 180.000 U/S INVERT (ft): 16.900 D/S INVERT (ft): 16.000
 MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-13
 FROM NODE : FC-13
 TO NODE : FC-14
 REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 BOT. WIDTH (ft): 50.000 LEFT SS (h/v): 50.000 RGHT SS (h/v): 50.000
 LENGTH (ft): 200.000 U/S INVERT (ft): 16.300 D/S INVERT (ft): 16.000
 MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : 722
 FROM NODE : 722
 TO NODE : 720
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 480.000 U/S INVERT (ft): 8.600 D/S INVERT (ft): 8.800
 MAX. DEPTH (ft): 8.300

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.200	.040
11.000	10.600	.040
14.000	8.700	.040
21.000	6.900	.040
28.000	7.700	.040
40.000	16.300	.080

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.800	4.04	10.26	10.11	80.8
1.800	16.80	15.99	15.40	655.2
3.700	51.42	22.80	21.05	3284.5
8.300	188.29	42.62	38.47	17745.6
9.400	231.45	42.62	40.00	24591.6
14.400	431.45	42.62	40.00	66630.9

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 732
 FROM NODE : 732
 TO NODE : 722
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1150.000 U/S INVERT (ft): 7.800 D/S INVERT (ft): 8.400
 MAX. DEPTH (ft): 7.800

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.700	.040
12.000	9.400	.040
20.000	7.900	.040
29.000	9.200	.040
36.000	16.200	.080

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.300	10.36	16.15	15.93	286.1
1.500	13.67	17.52	17.20	434.2
7.800	179.68	39.98	35.50	18248.7
8.300	197.55	39.98	36.00	21198.3
13.300	377.55	39.98	36.00	59883.6

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-15
 FROM NODE : FC-15
 TO NODE : FC-19
 REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 BOT. WIDTH (ft): 100.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
 LENGTH (ft): 300.000 U/S INVERT (ft): 16.100 D/S INVERT (ft): 15.000
 MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : FC-25
 FROM NODE : FC-25
 TO NODE : 732
 REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 BOT. WIDTH (ft): 200.000 LEFT SS (h/v): 5.000 RGHT SS (h/v): 5.000
 LENGTH (ft): 300.000 U/S INVERT (ft): 14.500 D/S INVERT (ft): 14.000
 MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE:

>>REACH NAME : FC-28A
 FROM NODE : FC-28
 TO NODE : FC-29
 REACH TYPE : TRAPEZOIDAL CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 BOT. WIDTH (ft): 300.000 LEFT SS (h/v): 10.000 RGHT SS (h/v): 10.000
 LENGTH (ft): 500.000 U/S INVERT (ft): 14.500 D/S INVERT (ft): 14.000
 MANNING N: .050 MAX. DEPTH (ft): 99.000

NOTE: OVERLAND FLOW SIMULATION

>>REACH NAME : 734
 FROM NODE : 734
 TO NODE : 732
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1900.000 U/S INVERT (ft): 8.100 D/S INVERT (ft): 7.800
 MAX. DEPTH (ft): 6.800

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	14.500	.040
10.000	8.900	.040
17.000	7.700	.040
24.000	9.400	.040
37.000	16.900	.080

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
1.200	7.16	12.19	11.94	186.8
1.700	13.87	15.33	14.89	482.2
6.800	135.59	35.97	32.84	11965.4
9.200	219.40	35.97	37.00	24925.4

14.200

404.40

35.97

37.00

64849.3

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 736
 FROM NODE : 736
 TO NODE : 734
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1300.000 U/S INVERT (ft): 7.000 D/S INVERT (ft): 8.100
 MAX. DEPTH (ft): 4.700

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	13.400	.060
83.000	12.800	.060
89.000	8.500	.040
97.000	8.100	.040
105.000	8.700	.040
110.000	14.500	.080

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.400	2.67	13.36	13.33	33.8
.600	5.63	16.38	16.28	102.6
4.700	91.35	28.83	25.53	7490.9
5.300	131.72	28.83	109.05	535456.8
6.400	252.20	28.83	110.00	6866999.0
11.400	802.20	28.83	110.00	86333140.0

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : 738
 FROM NODE : 738
 TO NODE : 736
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 2100.000 U/S INVERT (ft): 7.300 D/S INVERT (ft): 7.000
 MAX. DEPTH (ft): 5.500

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.000	.060
16.000	12.500	.060
20.000	8.200	.040
28.000	7.000	.040
36.000	7.800	.040
48.000	13.700	.060
52.000	14.000	.080
55.000	15.000	.125

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.800	5.33	13.44	13.33	107.0
1.200	11.36	17.04	16.81	327.5
5.500	111.06	32.66	29.56	9245.8
6.700	152.61	32.66	39.68	45977.0
7.000	165.40	32.66	45.60	83121.9
8.000	215.70	32.66	55.00	412084.5
13.000	490.70	32.66	55.00	5905992.0

NOTE:

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-02B
 FROM NODE : FC-02B
 TO NODE : FC-05
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 300.000 U/S INVERT (ft): 12.300 D/S INVERT (ft): 12.300
 MAX. DEPTH (ft): 3.400

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.800	.040
7.000	12.700	.040
9.000	12.300	.040
13.000	12.299	.040
17.000	13.000	.040
24.000	15.700	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.00	4.01	4.01	.0
.401	2.46	8.36	8.29	40.4
.701	5.31	10.84	10.68	122.4
3.400	51.79	25.01	23.77	3126.1
3.401	51.82	25.01	23.77	3128.5
3.501	54.20	25.01	24.00	3372.6
8.501	174.20	25.01	24.00	23605.1

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-05B
 FROM NODE : FC-05B
 TO NODE : FC-09
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 200.000 U/S INVERT (ft): 12.000 D/S INVERT (ft): 11.800
 MAX. DEPTH (ft): 2.300

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.000	.040
10.000	12.300	.040
13.000	11.900	.040
15.000	12.100	.040
25.000	14.200	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.200	.35	3.52	3.50	2.8
.400	1.30	6.01	5.95	17.3
2.300	27.89	22.54	22.04	1193.7
3.100	46.70	22.54	25.00	2819.2
8.100	171.70	22.54	25.00	24691.5

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-09B
 FROM NODE : FC-09B
 TO NODE : FC-16
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 800.000 U/S INVERT (ft): 11.600 D/S INVERT (ft): 11.200
 MAX. DEPTH (ft): 3.300

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.000	.040
12.000	11.200	.040
34.000	11.199	.040
52.000	14.500	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.001	.01	22.01	22.01	.0
3.300	119.46	51.22	50.41	7805.1
3.301	119.51	51.22	50.42	7810.6
3.801	145.12	51.22	52.00	10794.2
8.801	405.12	51.22	52.00	59742.9

NOTE: WETLAND CONNECTION

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18A
 FROM NODE : FC-18A
 TO NODE : FC-18B
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft):1360.000 U/S INVERT (ft): 11.100 D/S INVERT (ft): 11.940
 MAX. DEPTH (ft): 4.600

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.400	.040
4.000	11.800	.040
10.000	10.800	.040
16.000	11.700	.040
27.000	19.000	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.900	5.13	11.54	11.40	111.0
1.000	6.31	12.33	12.15	149.9
4.600	67.01	24.22	21.58	4906.2
4.600	67.01	24.22	21.58	4906.2
8.200	154.45	24.22	27.00	19729.3
13.200	289.45	24.22	27.00	56202.3

NOTE: DITCH

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18B
 FROM NODE : FC-18B
 TO NODE : FC-18D
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 850.000 U/S INVERT (ft): 11.940 D/S INVERT (ft): 10.540
 MAX. DEPTH (ft): 4.900

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	15.600	.040
6.500	11.000	.040
10.250	10.700	.040
14.000	10.900	.040
19.000	16.300	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.200	.63	6.26	6.25	5.0
.300	1.32	7.65	7.59	15.1
4.900	60.99	21.89	18.35	4486.7
5.600	74.06	21.89	19.00	6201.6
10.600	169.06	21.89	19.00	24542.4

NOTE: DITCH

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FOX CREEK DRAINAGE STUDY (EXISTING CONDITIONS)
 10-26-94

>>REACH NAME : FC-18C
 FROM NODE : FC-18C
 TO NODE : FC-18D
 REACH TYPE : IRREGULAR SECTION CHANNEL, MOMENTUM EQ.
 FLOW DIRECTION : POSITIVE AND NEGATIVE FLOWS ALLOWED
 OUTLET CONTROL : FREE
 LENGTH (ft): 1280.000 U/S INVERT (ft): 10.130 D/S INVERT (ft): 10.540
 MAX. DEPTH (ft): 5.200

X-VAL (ft)	Y-VAL (ft)	N-VAL
.000	16.500	.040
13.000	11.500	.040
16.000	11.300	.040
19.000	11.500	.040
28.000	16.600	.040

DEPTH (ft)	AREA (sf)	PERIM (ft)	TOPWD (ft)	CONVEYANCE
.000	.00	.00	.00	.0
.200	.60	6.01	6.00	4.8
5.200	85.16	30.08	27.82	6330.6
5.300	87.95	30.08	28.00	6680.2
10.300	227.95	30.08	28.00	32668.6

NOTE: DITCH