

NORTH CREEK BASIN MASTER PLAN

FINAL

Prepared for:

**Sarasota County
Stormwater Environmental Utility**

**November, 1996
Revised October, 1997
Finaled April, 1999**

**Contract No. 95-373
Purchase Order No. P509450**

Prepared by

**GEE & JENSON
Engineers-Architects-Planners, Inc.
West Palm Beach, FL**

Job No. 95-250.00, Task 226





Bob Cross
Professional Land Surveying, P.A.

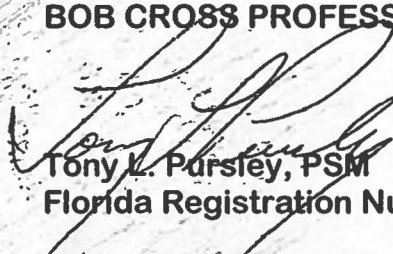
May 18, 1999

To: Whom it may concern

RE: North Creek Drainage Basin Study

I hereby certify that the field information dated May 7, 1996 for the above reference project was true and correct as of that date to the best of my information, knowledge and belief.

BOB CROSS PROFESSIONAL LAND SURVEYING, P.A.


Tony L. Pursley, PSM

Florida Registration Number 4451

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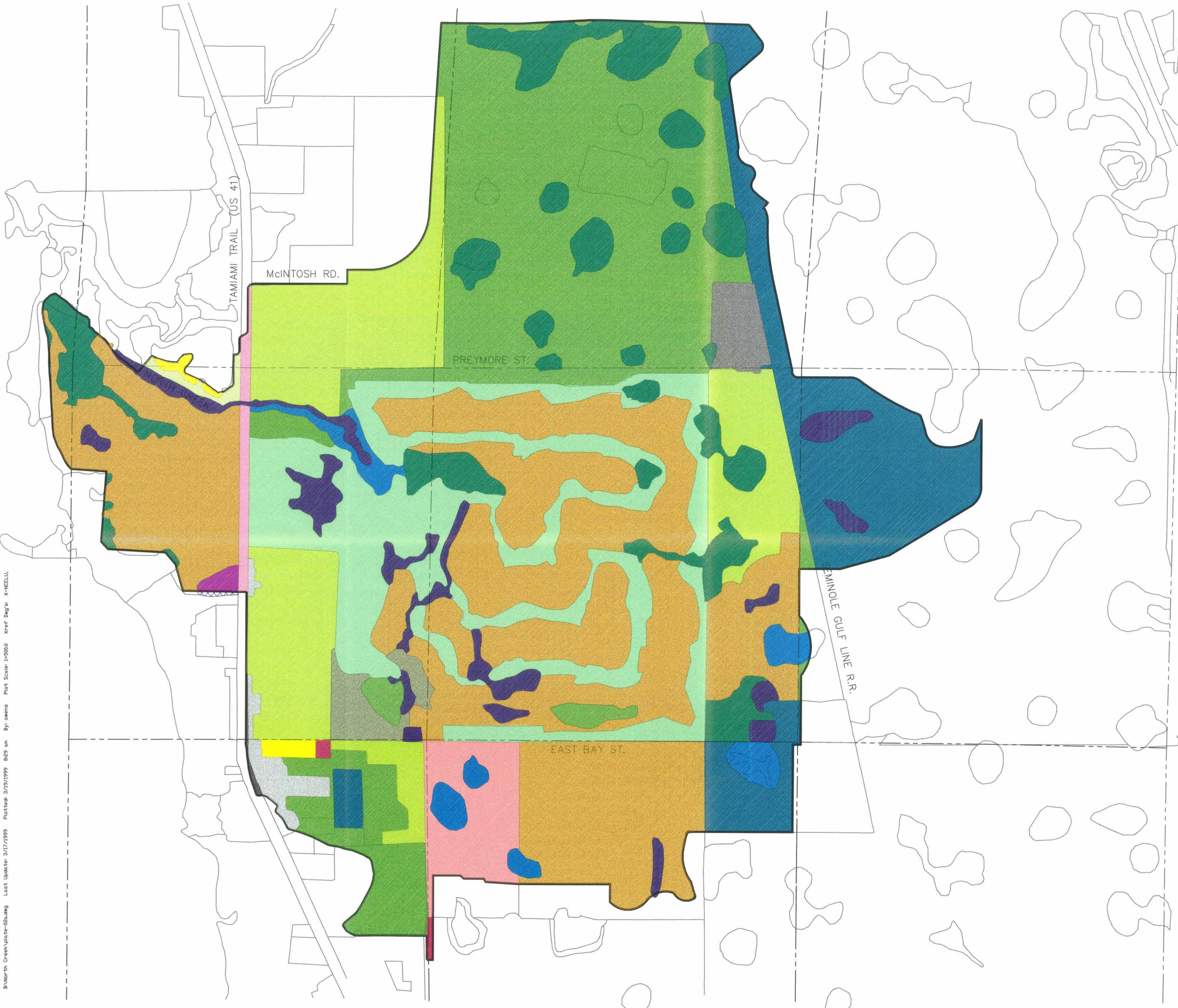
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- MODERATE DENSITY RESIDENTIAL
2-5 DU/AC
- HIGH DENSITY RESIDENTIAL
>5 DU/AC
- INDUSTRIAL
- INSTITUTIONAL
- COMMERCIAL
- VACANT - PUBLIC
- EXTRACTIVE
- OTHER PUBLIC FACILITIES
- EDUCATIONAL BUILDING
- PUBLIC BUILDINGS
- VACANT
- CONSERVATION/PRESERVATION
- PUBLIC LANDS
- CONSERVATION/PRESERVATION
- PRIVATE LANDS
- RECREATIONAL (PRIVATE)
- RECREATIONAL (PUBLIC)
- WETLANDS
- BEACHES AND SHORES
- AGRICULTURE - NATIVE RANGE
- AGRICULTURE - INTENSIVE
- RIVERS, BAYS AND LAKES
- NORTH CREEK DRAINAGE
BASIN BOUNDARY

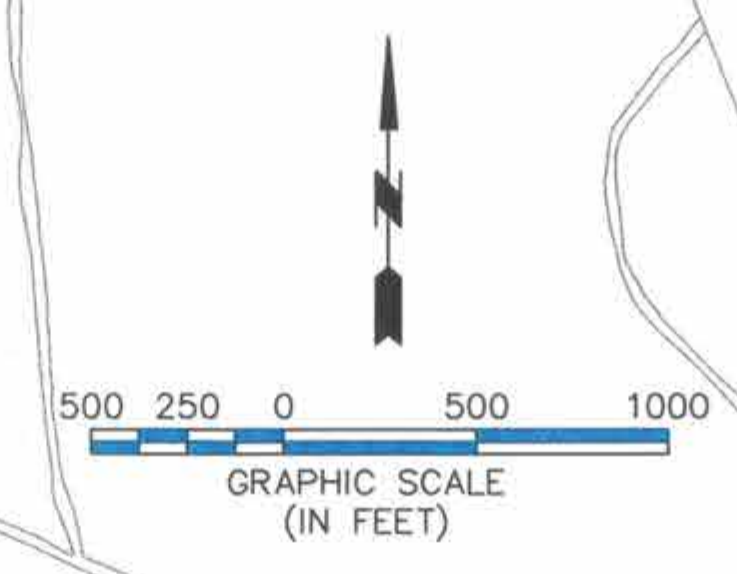
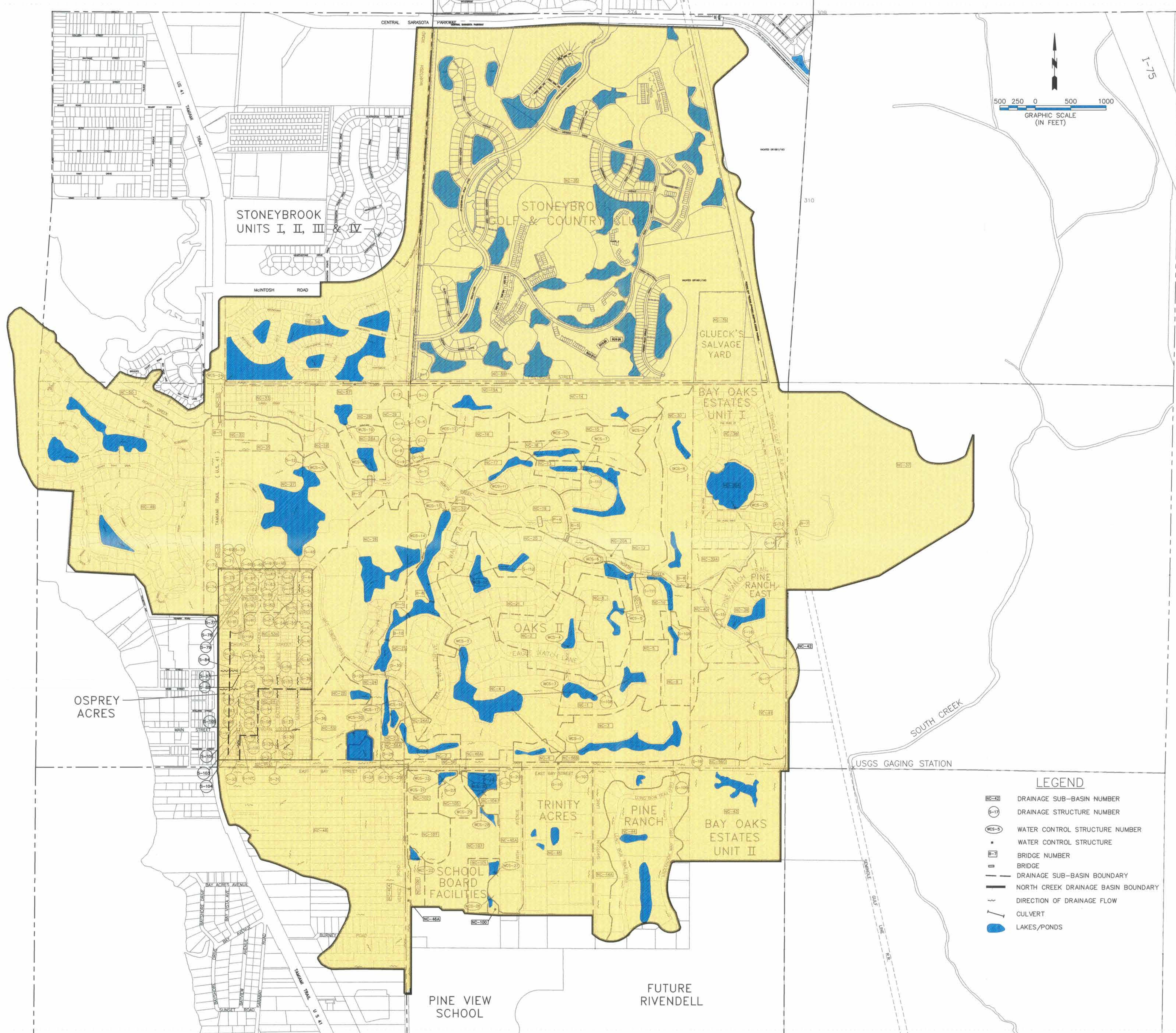
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	DRAWN	JPH	
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	APPROVED	JAS	
	DATE	REVISION	STATUS

SEAL

NORTH CREEK BASIN STUDY
SARASOTA COUNTY
SARASOTA, FLORIDA
EXISTING LAND USE MAP

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JOB NUMBER 95-250
CAD FILE plate-02a
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SHEET OF



- LEGEND**
- NC-42 DRAINAGE SUB-BASIN NUMBER
 - S-17 DRAINAGE STRUCTURE NUMBER
 - WCS-5 WATER CONTROL STRUCTURE NUMBER
 - WCS-5 WATER CONTROL STRUCTURE
 - B-7 BRIDGE NUMBER
 - B-7 BRIDGE
 - DRAINAGE SUB-BASIN BOUNDARY
 - NORTH CREEK DRAINAGE BASIN BOUNDARY
 - DIRECTION OF DRAINAGE FLOW
 - CULVERT
 - LAKES/PONDS

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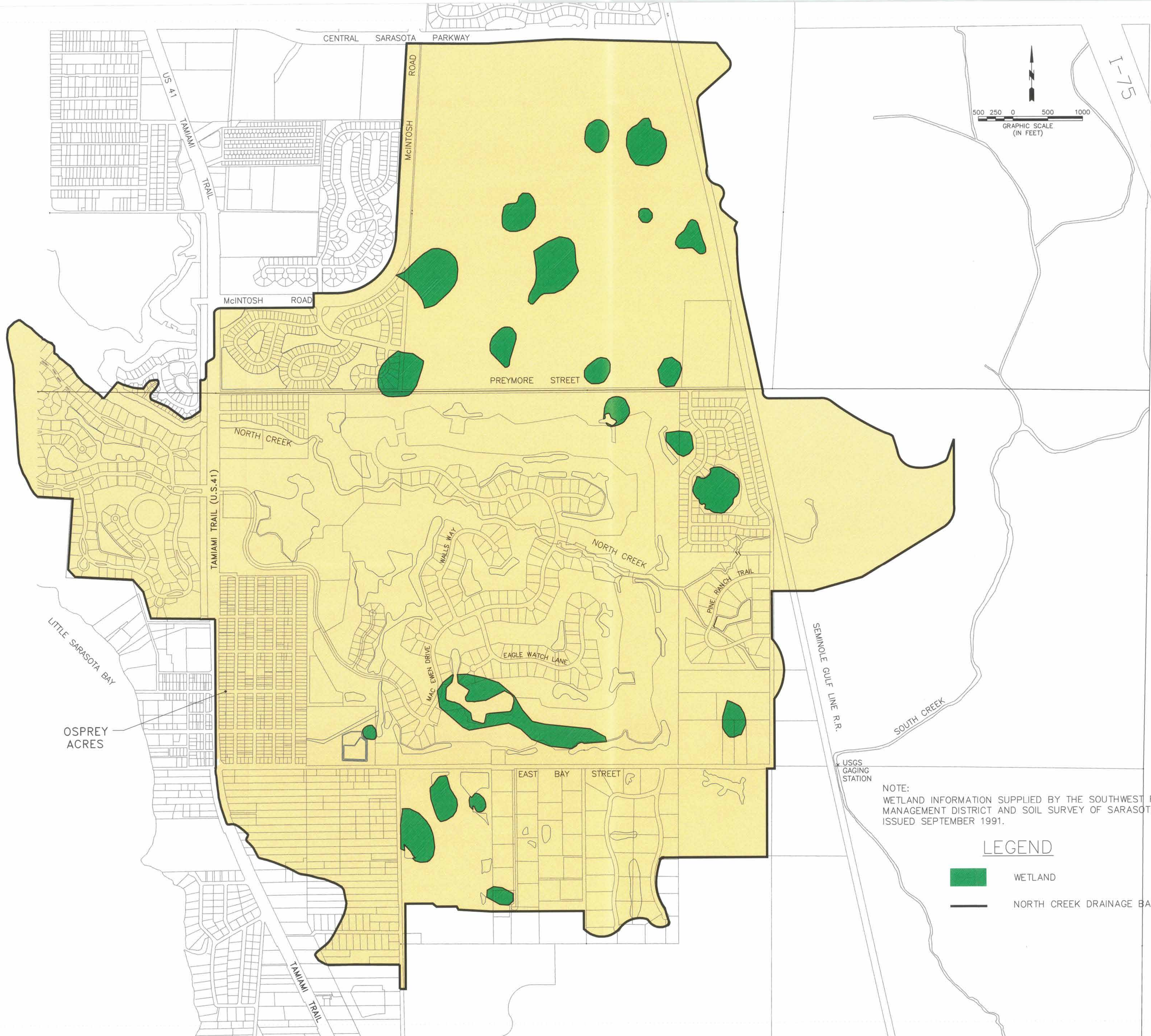
SEAL

NORTH CREEK BASIN STUDY
SARASOTA COUNTY
SARASOTA, FLORIDA
EXISTING DRAINAGE STRUCTURES



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SHEET NUMBER
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REAL

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TIME: 9:22 AM

PLOT SCALE: 1"=500.0

DRAWN: MLL

CHECKED: JPH

APPROVED: JAS

DATE: 10/26/97

REVISION

STATUS

DATE

APPROVED

NORTH CREEK BASIN STUDY

SARASOTA COUNTY

SARASOTA, FLORIDA

WETLAND MAP

GEE & JENSON

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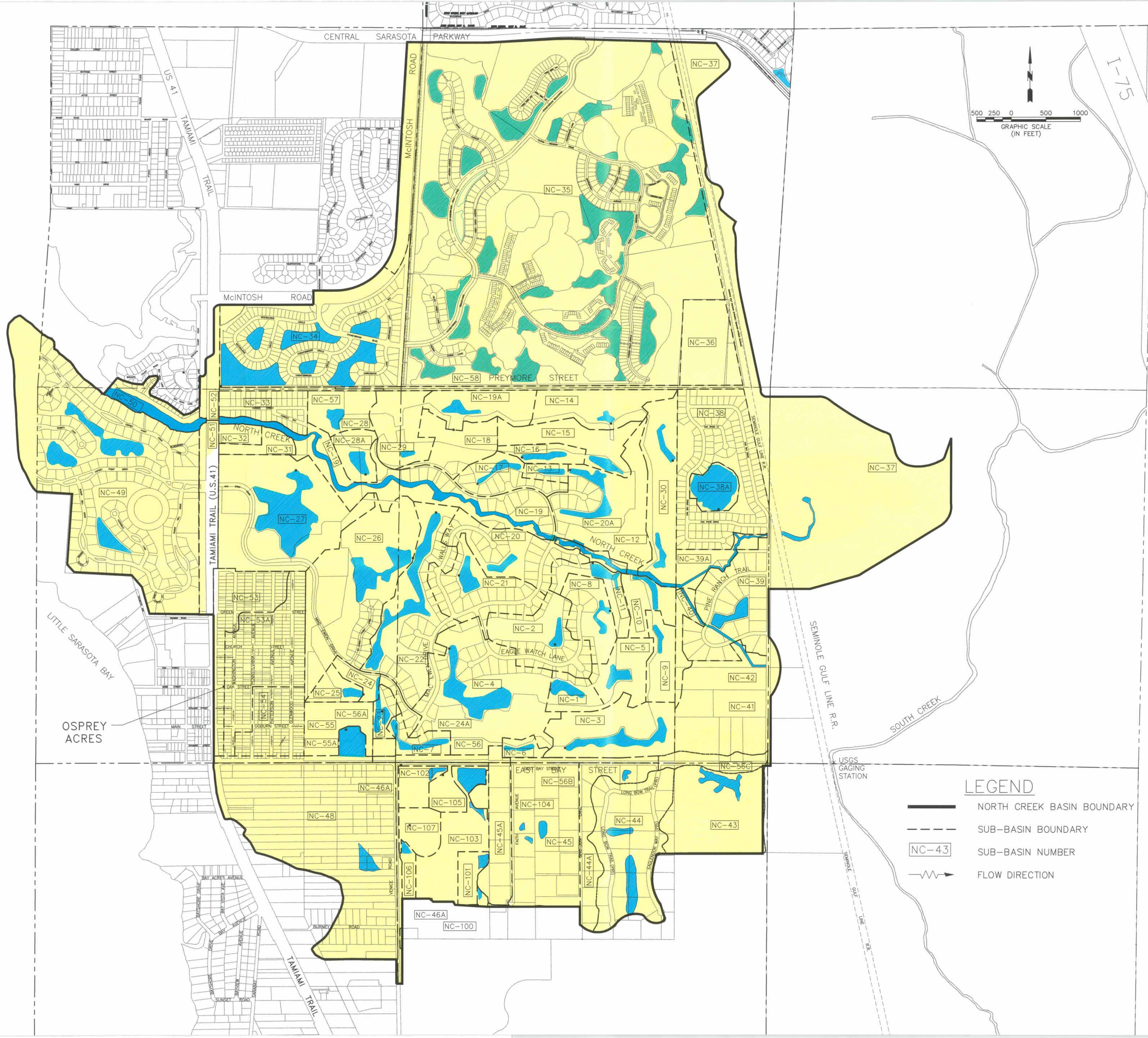
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SHEET OF

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LEGEND

- NORTH CREEK BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- SUB-BASIN NUMBER
- FLOW DIRECTION

DESIGNED	DATE	APPROVED	DATE	STATUS
3-18-99	3-18-99	3-18-99	3-18-99	3-18-99
TIME	5:00 PM	TIME	5:00 PM	TIME
PLotted	3-18-99	PLotted	3-18-99	PLotted
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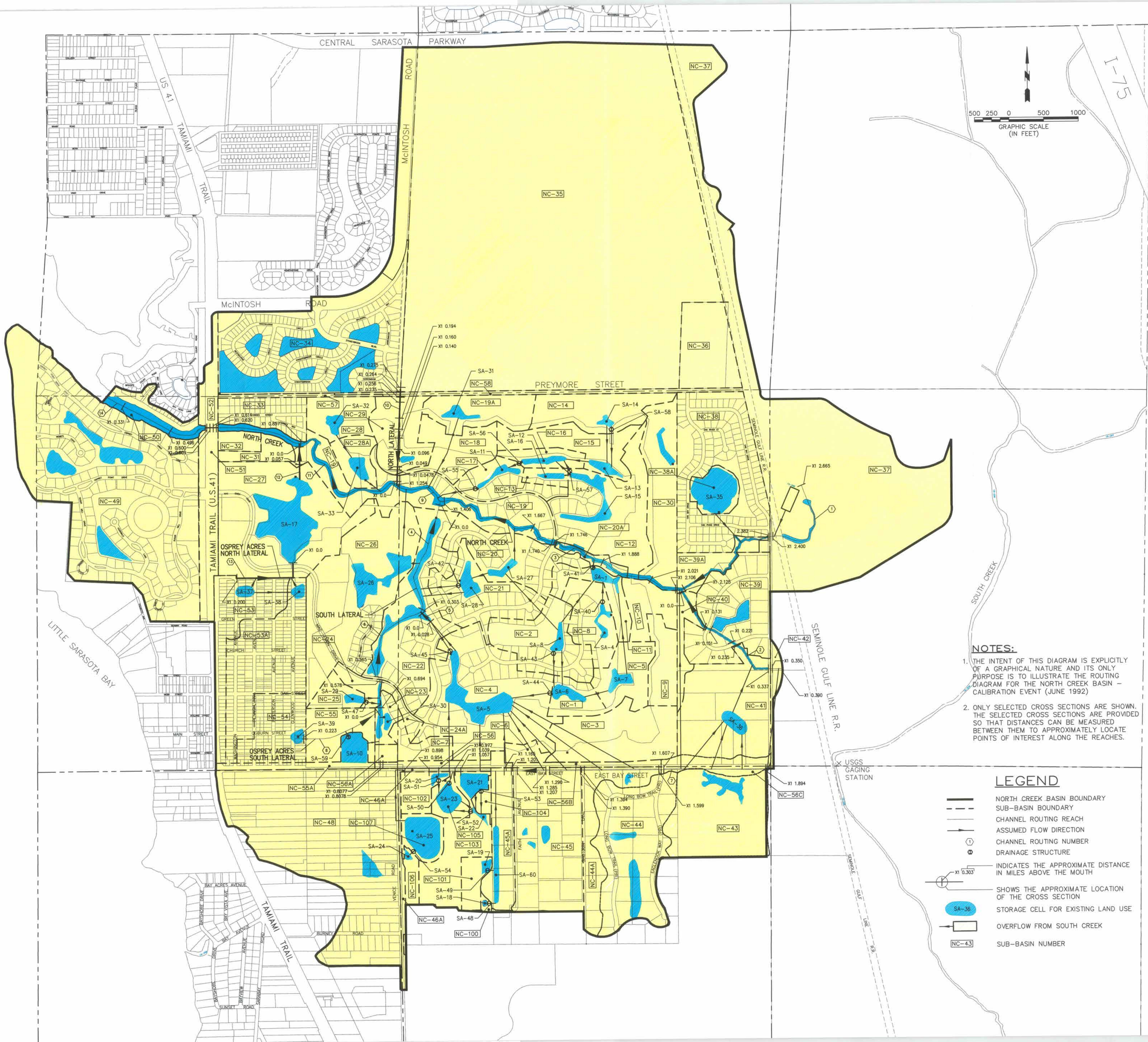
SEAL

NORTH CREEK BASIN STUDY
SARASOTA COUNTY
SARASOTA, FLORIDA
BASIN/SUB-BASIN MAP

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JOB NUMBER 95-250
CAD FILE plate-06
SHEET NUMBER
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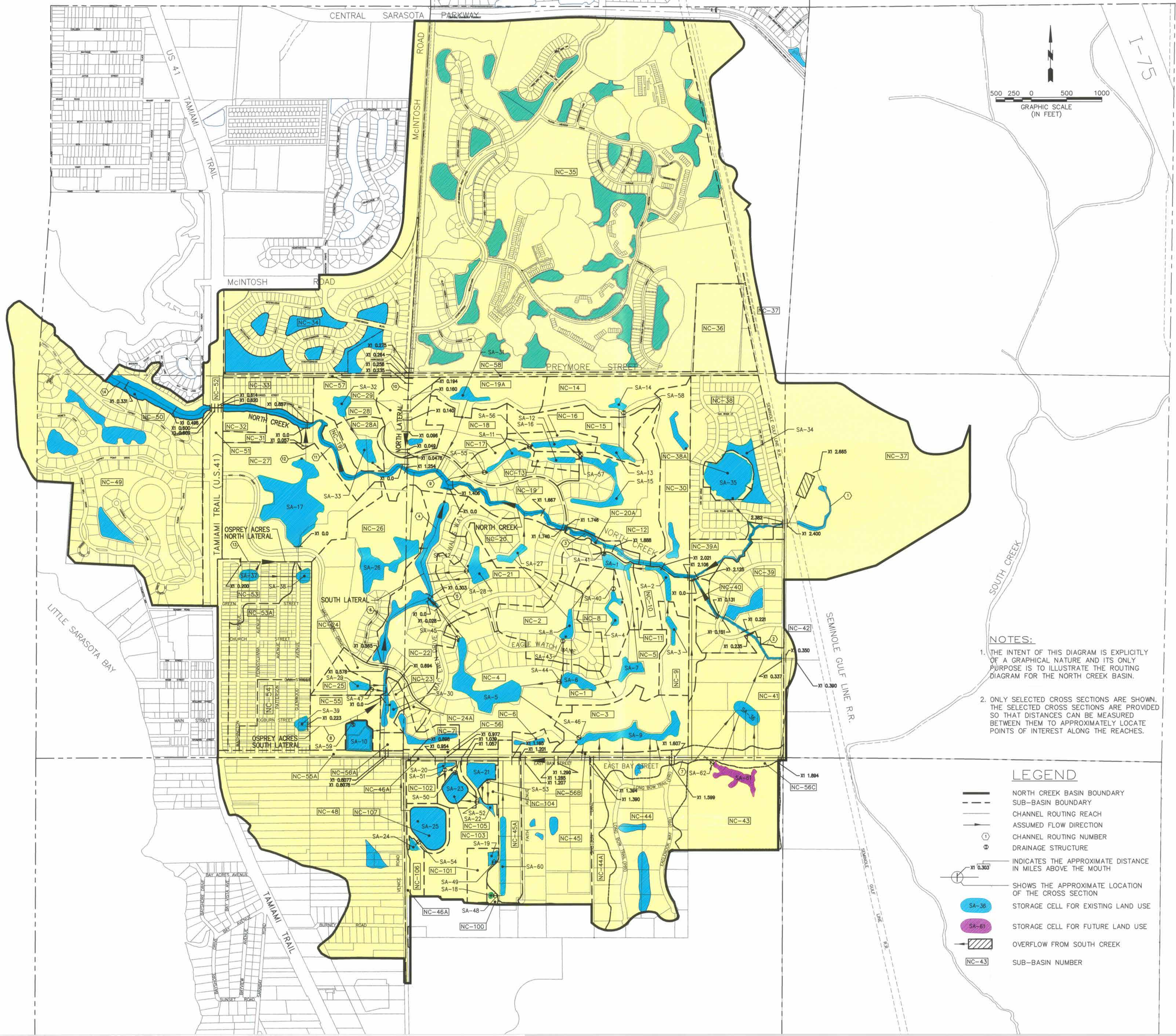
NORTH CREEK BASIN STUDY
SARASOTA COUNTY
SARASOTA, FLORIDA

GEE & JENSON
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JOB NUMBER 95-250
CAD FILE plate-07
SHEET NUMBER
SHEET OF

DATE	STATUS	DESCRIPTION	BY	DATE
10/20/97	APPROVED	JAS		
10/20/97	CHECKED	JAS		
10/20/97	DRAWN	JAS		
10/20/97	DESIGNED	JAS		
10/20/97	FILED	JAS		
10/20/97	TIME	3:24 PM		
10/20/97	PLotted	3:24 PM		

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3-19-99	owens	APPROVED	ML
3-19-99	owens	DATE	APR

REAL

NORTH CREEK BASIN STUDY
SARASOTA COUNTY
SARASOTA, FLORIDA

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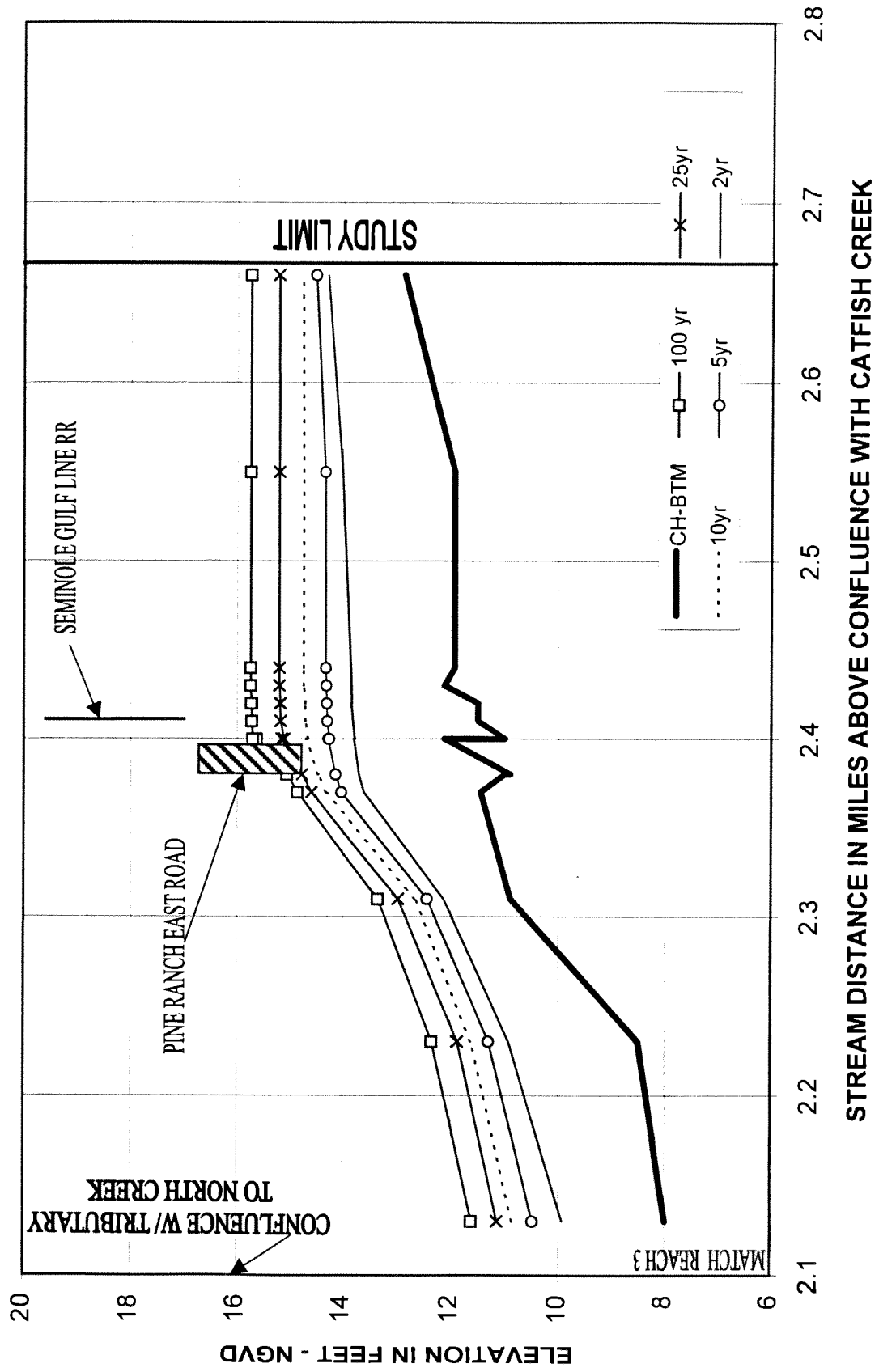
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UNET ROUTING DIAGRAM - EXISTING AND PROPOSED CONDITIONS WITH EXISTING/FUTURE LAND USE

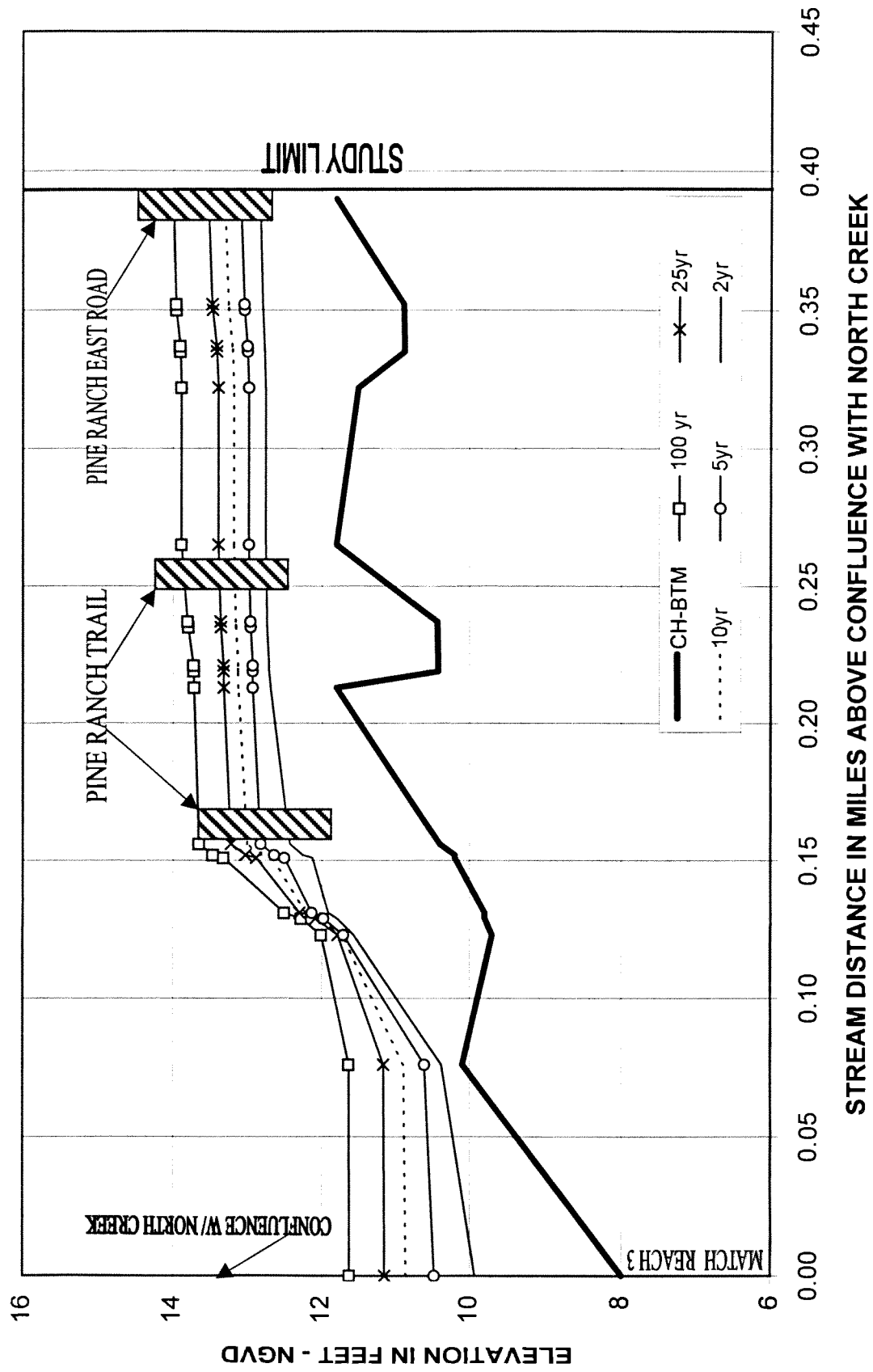
PLATE 9

EXISTING CONDITIONS WATER SURFACE PROFILES

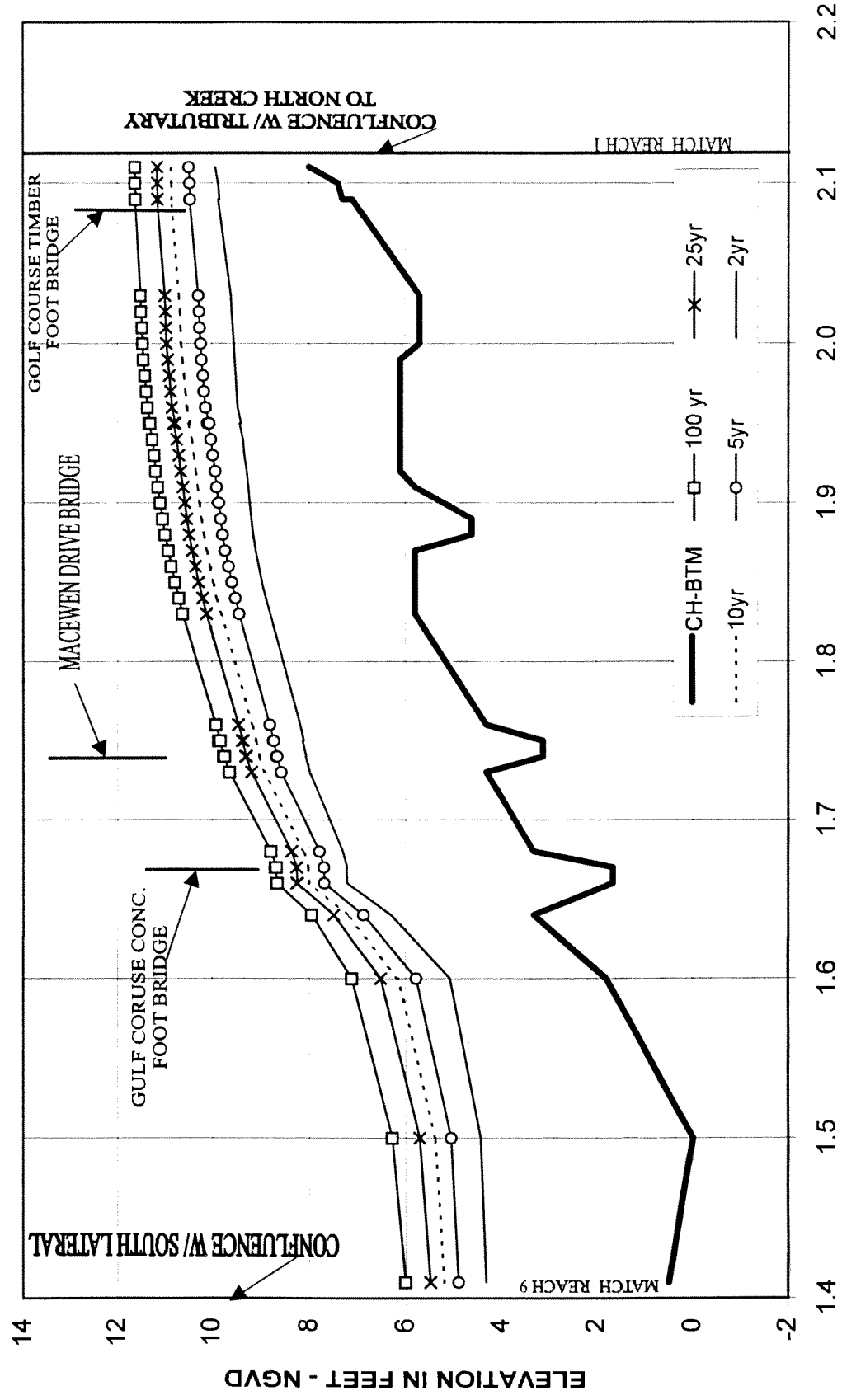
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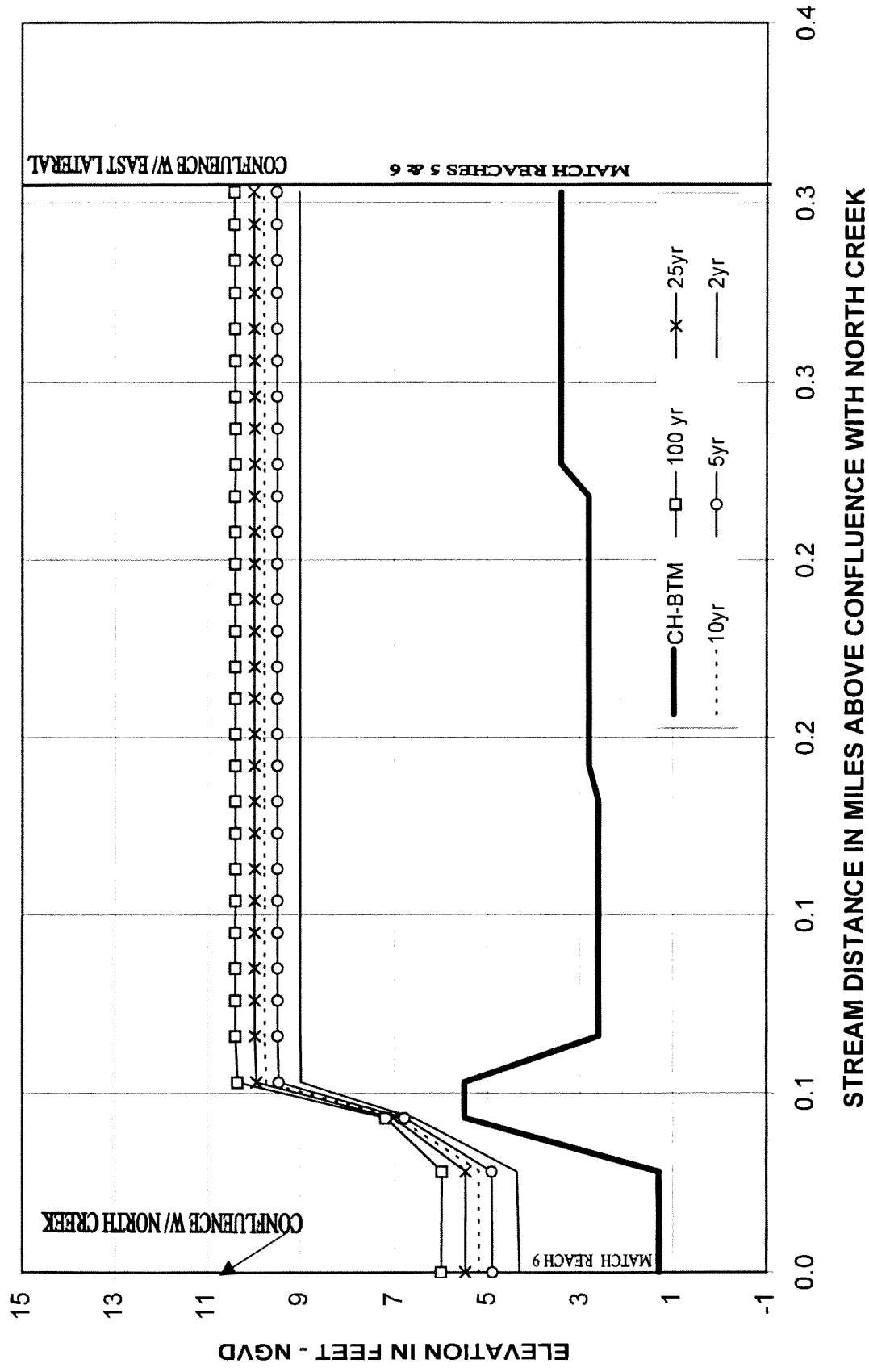
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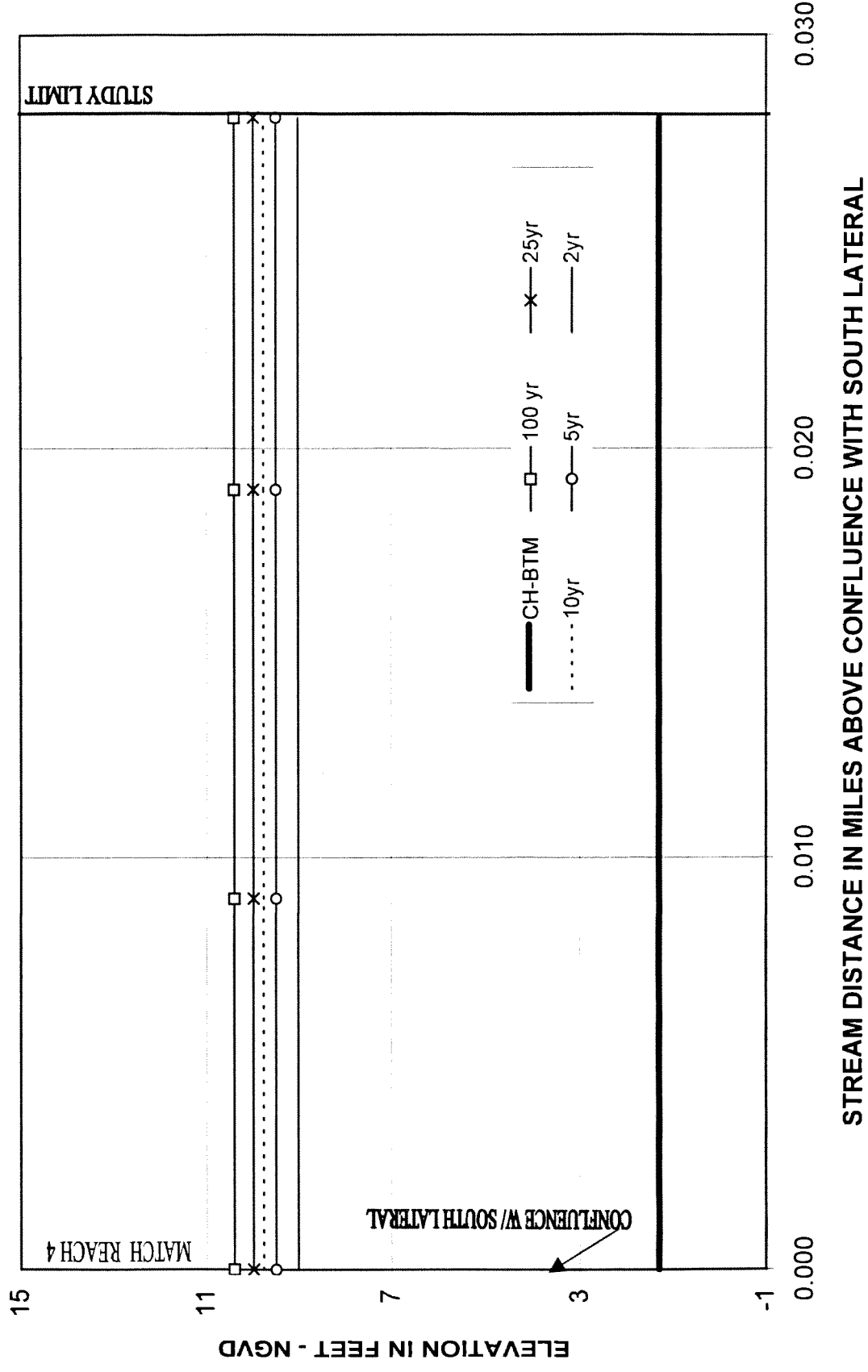
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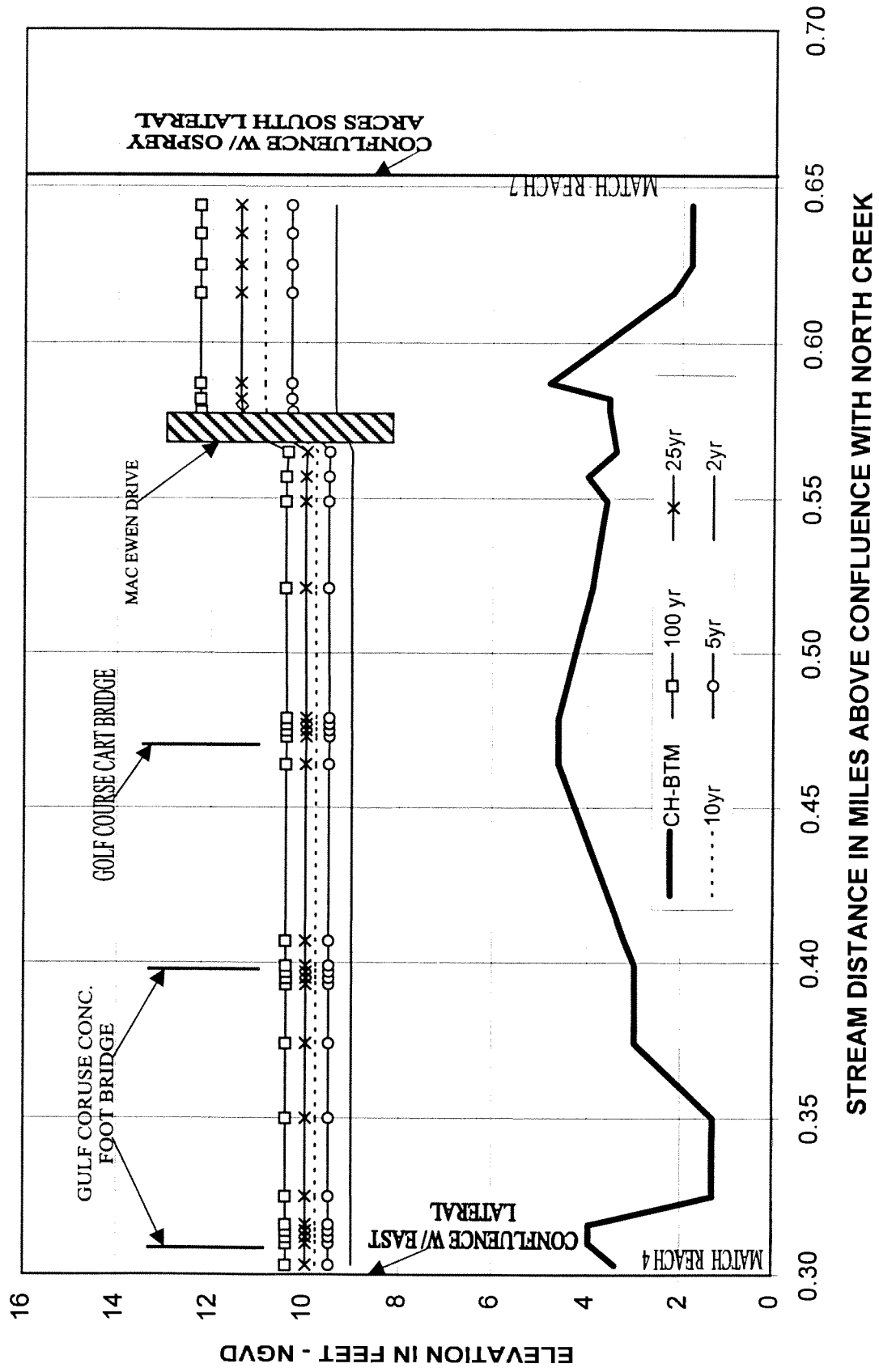
REACH 4 - SOUTH LATERAL



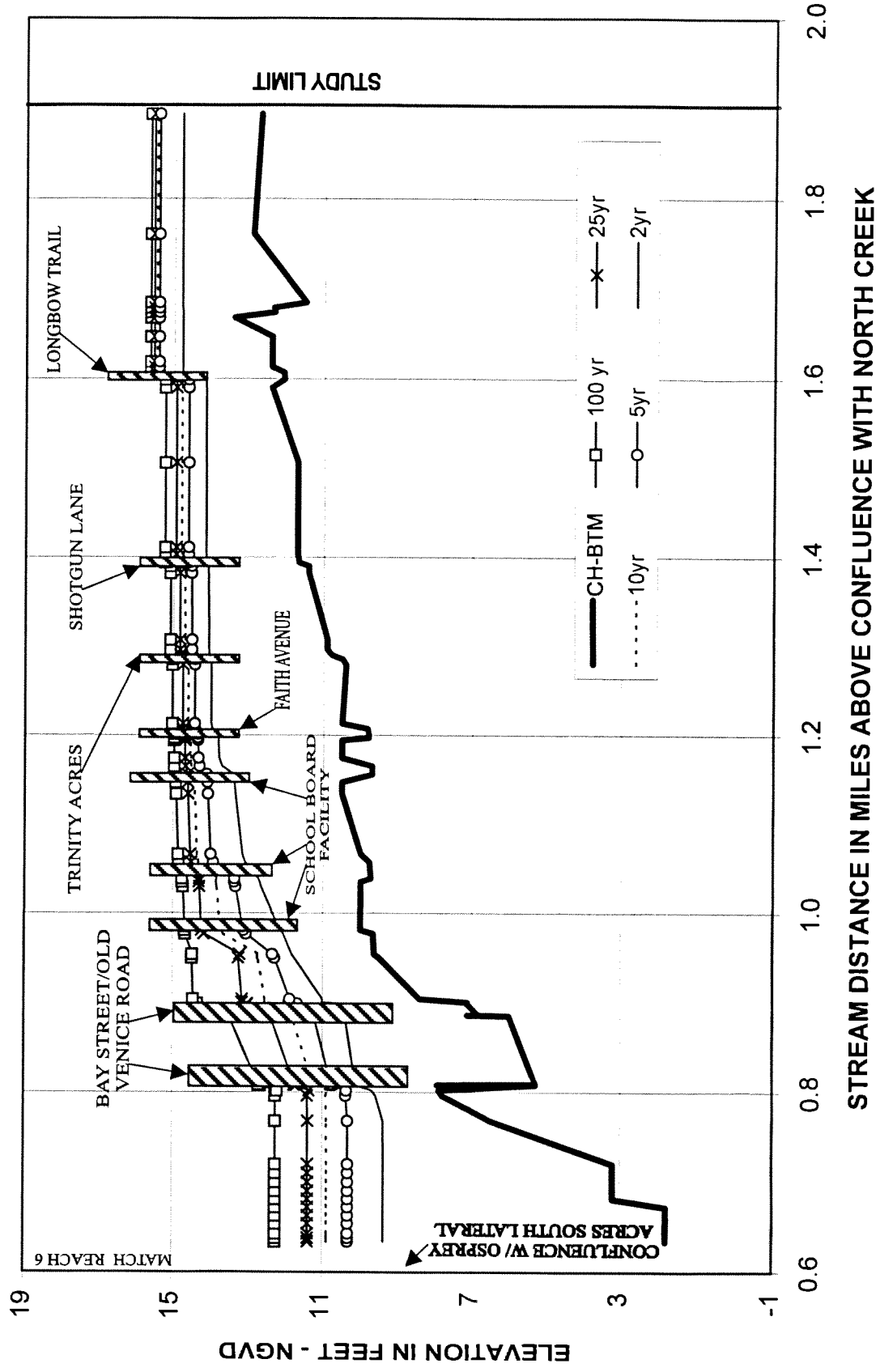
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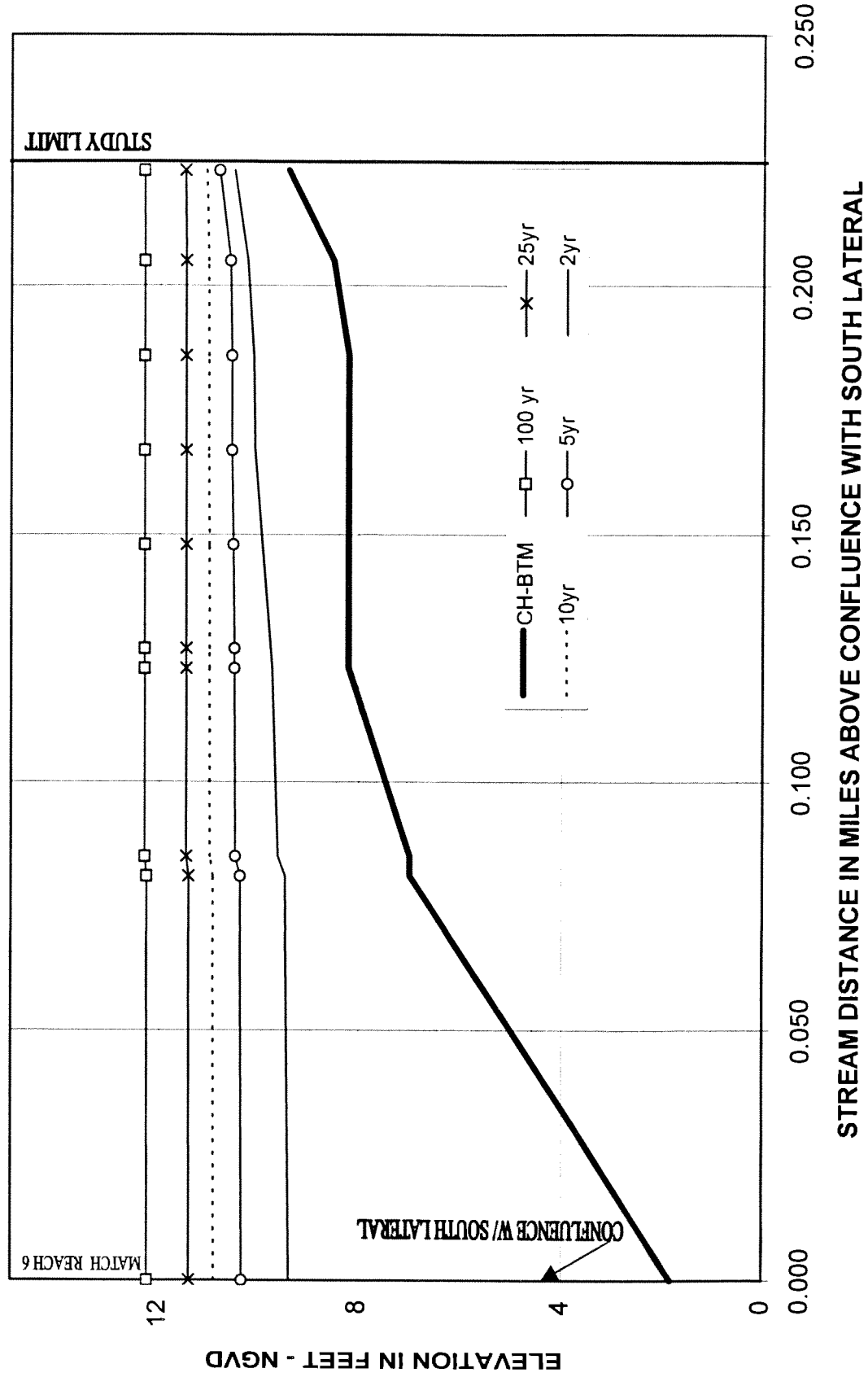
REACH 6 - SOUTH LATERAL



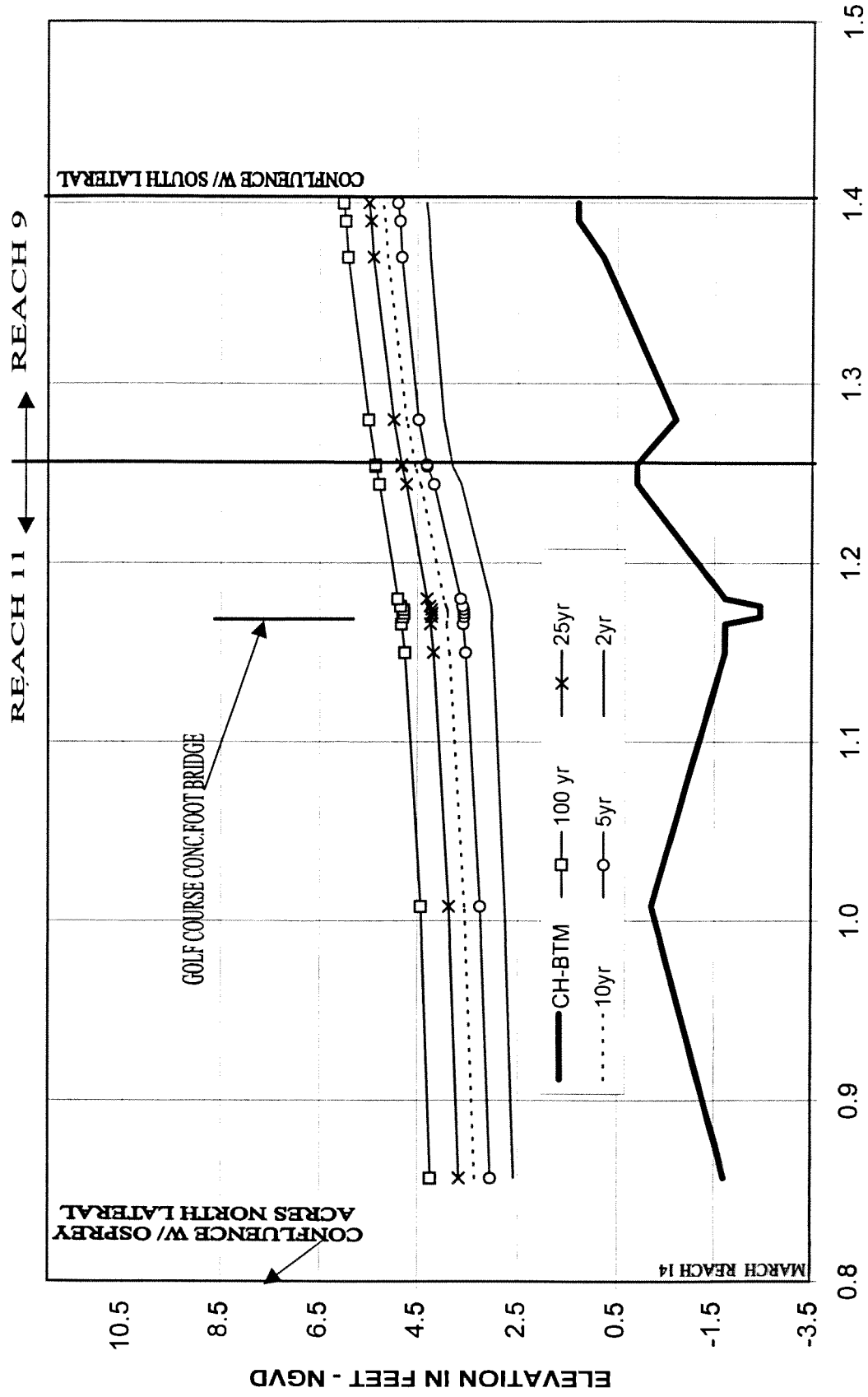
REACH 7 - SOUTH LATERAL



REACH 8 - OSPREY ACRES SOUTH LATERAL

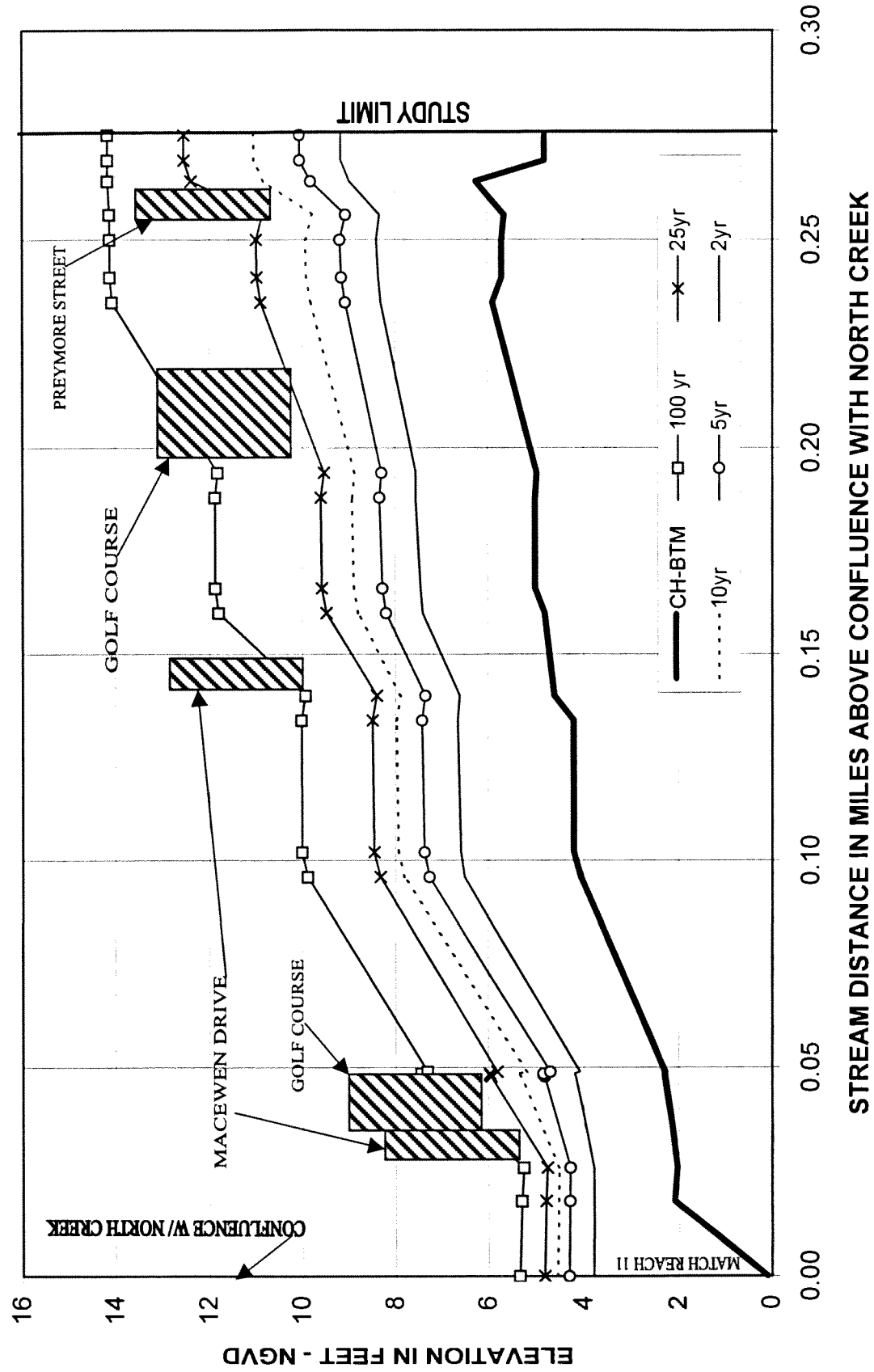


REACH 9 AND REACH 11 - NORTH CREEK

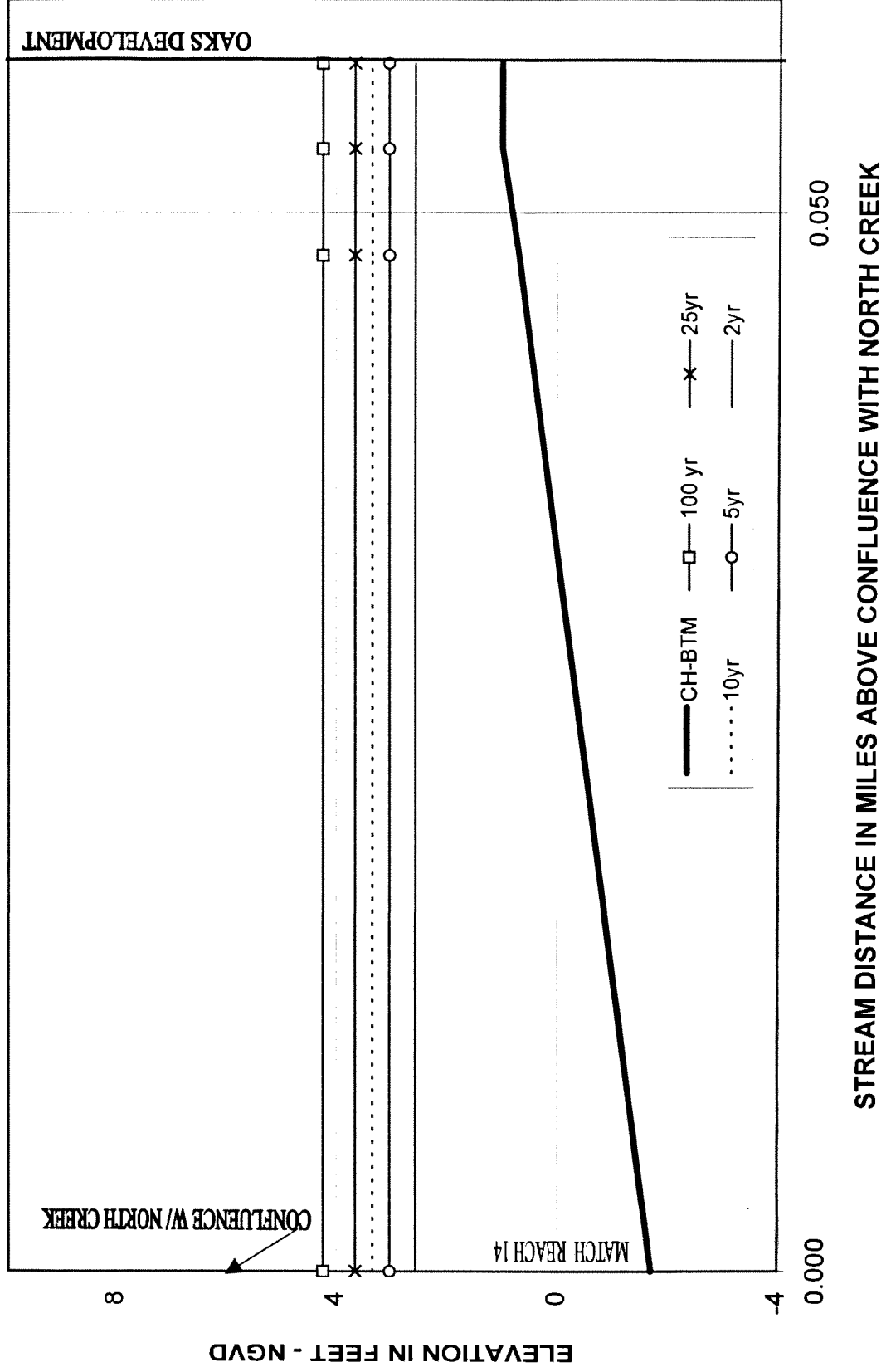


STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH CATFISH CREEK

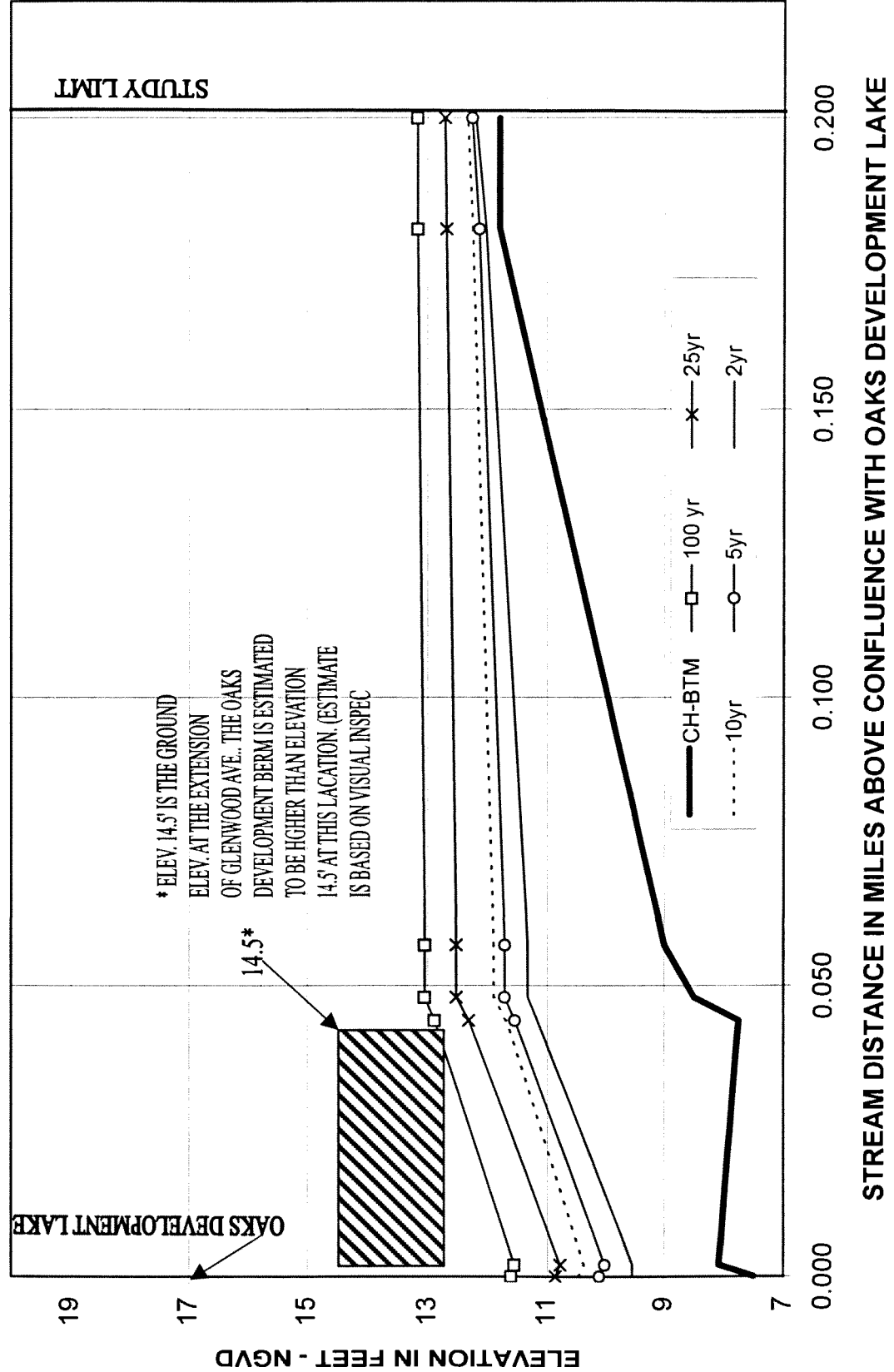
REACH 10 - NORTH LATERAL



REACH 12 - OSPREY ACRES NORTH LATERAL



REACH 13 - OSPREY ACRES NORTH LATERAL



REACH 14 - NORTH CREEK

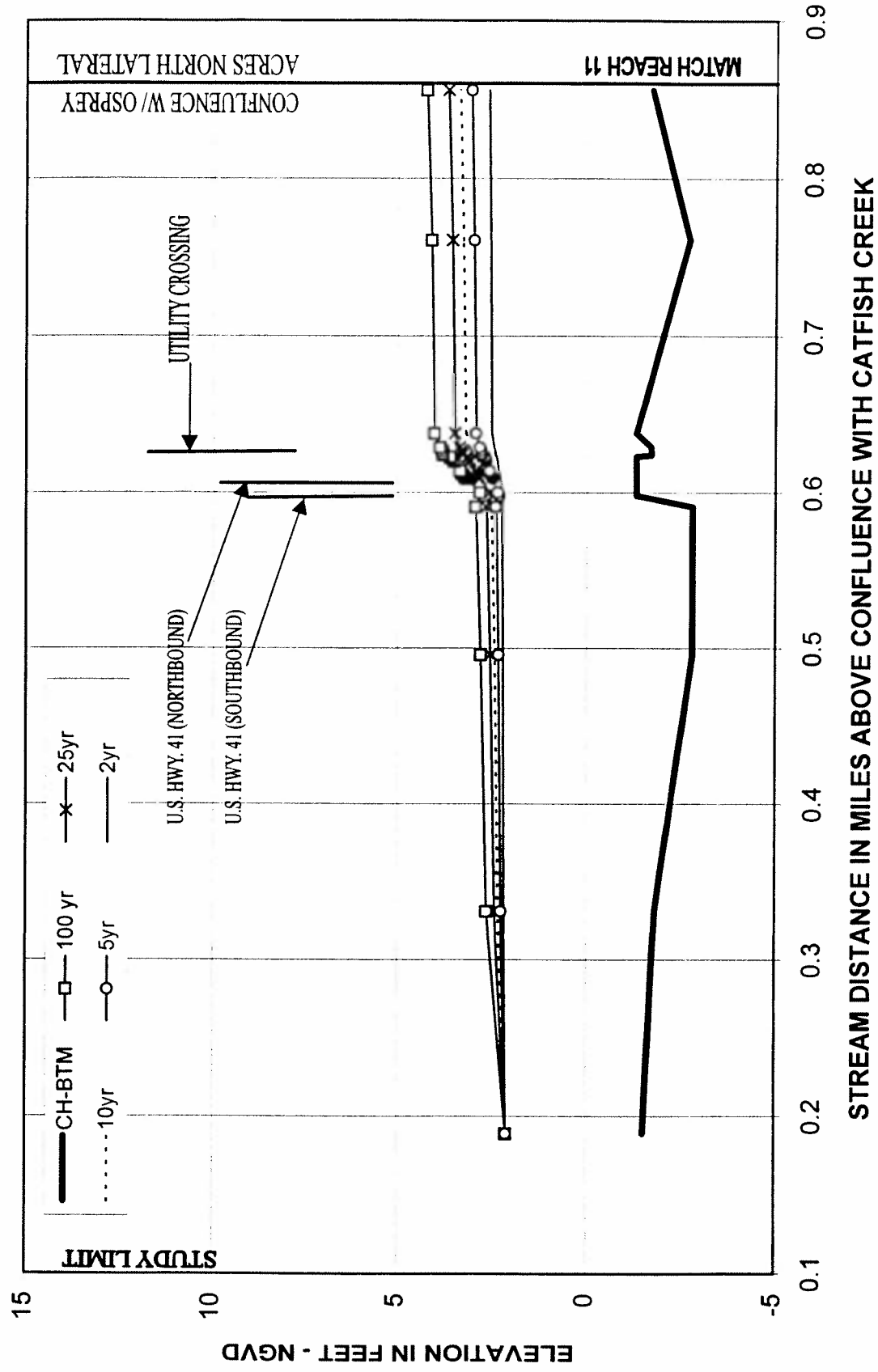


EXHIBIT A

MINUTES OF NORTH CREEK FIELD MEETING
October 17, 1995 - 9:00 a.m.

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1. The following were present at the meeting: Shawn Leins, AM Engineering; T. M. Shoopman, Sarasota County; Gary Altrogge, Mosby Engineering; Mario Lopez, Gee & Jenson; Janette Wojciak, Gee & Jenson; Dawn Thompson, The Oaks/Oaks 2000; Linda Hawk, SWFWMD; Daryl Flatt, SWFWMD.
2. The objective of the meeting was to look at maintenance potential of : a) North Creek within the Oaks; b) the existing ditch north of Bay Street west of the electrical substation; and c) North Creek from Pine Ranch Road through Bay Oaks Subdivision (see map).
3. The ditch north of Bay street west of the electrical substation runs from Bay Street to an excavated lake in the Oaks. This ditch is upland-cut and manual removal of exotic and nuisance vegetation is acceptable (i.e. Brazilian Pepper, Carolina Willow, etc.). It was agreed no dredging or earthwork would occur.
4. The North Creek/wetland area east of the Oaks' east property line appeared to be natural and undisturbed. Maintenance shall be limited to manual removal of primrose willow along the east fence line and removal of dead or fallen trees.
5. The proposed swale along the east property in the FP&L easement shall be designed not to impact the wetland to the east. It was suggested the swale construction end at the south limit of the wetland. It was requested the swale design be submitted to the District for review and comment.
6. The North Creek system within the Oaks was walked from the FP&L easement to the MacEwen Drive Bridge. Generally, there are sections of the Creek which are disturbed where manual removal of vegetation such as myrtles and primrose willow may occur. There are other sections where no work should be performed either because of historical wetland condition or it is not necessary to perform maintenance to increase water conveyance. All maintenance work should be performed by hand. Any dredging would require a permit. Removal of fallen trees and brush would be acceptable. It was suggested the tree canopy remain and maintenance be limited to the understory.
7. North Creek through the Bay Oaks Subdivision is strewn with fallen trees, brush and debris. Removal of this material should improve conveyance significantly.
8. It was suggested a follow-up field meeting with Sarasota County Maintenance staff occur to detail the proposed maintenance of North Creek.

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