



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

JUL 08 2002

OSA COPY



Regulatory Division
West Permits Branch
200000050 (IP-MN)

CANAL
DREDGING
2002

Bruce St. Denis, Town Manager
Town of Longboat Key
501 Bay Isles Road
Longboat Key, Florida 34228-3196

Dear Mr. St. Denis:

We are pleased to enclose the Department of the Army permit and a Notice of Authorization which should be displayed at the construction site. Work may begin in accordance with the terms and conditions of the issued permit but the appropriate Regulatory Section Chief as representative of the District Engineer must be notified of:

- a. The date of commencement of the work.
- b. The dates of work suspensions and resummptions if work is suspended over a week, and
- c. The date of final completion.

Regulatory Field Chiefs addresses and telephone numbers are shown on the enclosed map. The Field Chief is responsible for inspections to determine that permit conditions are strictly adhered to. A copy of the permit and drawings must be available at the site of work.

IT IS NOT LAWFUL TO DEVIATE FROM THE APPROVED PLANS ENCLOSED.

Sincerely,

John R. Hall
Chief, Regulatory Division

Enclosures

NORTH PERMITS BRANCH



PENSACOLA REGULATORY OFFICE
 CESAJ-RD-NL
 41 N. Jefferson St., Suite 104
 Pensacola, FL 32501-5794
 Telephone: 850-433-3510

PANAMA CITY REGULATORY OFFICE
 CESAJ-RD-NP
 475 Harrison Ave., Suite 202
 Panama City, FL 32401-4399
 Telephone: 850-763-0717

TALLAHASSEE REGULATORY OFFICE
 CESAJ-RD-NT
 2051 East Dirac Drive, Room 123H
 Tallahassee, FL 32310-3780
 Telephone: 850-576-0790

GAINESVILLE REGULATORY OFFICE
 CESAJ-RD-NG
 101 NW 75th Street, Suite 3
 Gainesville, FL 32607-1609
 Telephone: 352-332-6993

ATLANTIC PERMITS BRANCH

ATLANTIC PERMITS BRANCH OFFICE
 CESAJ-RD-A
 PO Box 4870
 Jacksonville, FL 32232-0019
 Telephone: 904-232-1659

PALATKA REGULATORY OFFICE
 CESAJ-RD-AP
 602 N. Palm Avenue
 Palatka, FL 32177-1317
 Telephone: 386-325-2028

MERRITT ISLAND REGULATORY OFFICE
 CESAJ-RD-AM
 2460 N. Courtney Parkway, Suite 216
 Merritt Island, FL 32953-4216
 Telephone: 321-453-0201

WEST PERMITS BRANCH

TAMPA REGULATORY OFFICE
 CESAJ-RD-WT
 PO Box 19247
 Tampa, FL 33686-9247
 Telephone: 813-840-2908

FT. MYERS REGULATORY OFFICE
 CESAJ-RD-WF
 2301 McGregor Blvd., Suite 300
 Ft. Myers, FL 33901-3353
 Telephone: 941-334-1975

MARATHON REGULATORY OFFICE
 CESAJ-RD-SA
 2796 Overseas Highway, Suite 234
 Marathon Shores, FL 33050-4276
 Telephone: 305-743-5349

SOUTH PERMITS BRANCH

STUART REGULATORY OFFICE
 CESAJ-RD-SV
 PO Box 2391
 Stuart, FL 34995-2391
 Telephone: 561-781-8085

SOUTH PERMITS BRANCH OFFICE
 CESAJ-RD-S
 400 N. Congress Ave., Suite 130
 West Palm Beach, FL 33401-2933
 Telephone: 561-683-0498

MIAMI REGULATORY OFFICE
 CESAJ-RD-SM
 11420 N. Kendall, Suite 104
 Miami, FL 33178-1039
 Telephone: 305-526-7181



US Army Corps of Engineers
 Jacksonville District

REGULATORY OFFICES

JACKSONVILLE DISTRICT OFFICE
 CESAJ-RD

400 West Bay St., Room 201
 Jacksonville, FL 32202

Mailing Address:
 PO Box 4970

Jacksonville, FL 32232-0019
 Telephone: 904-232-1666

Fax: 904-232-1684

**This notice of authorization must be conspicuously
displayed at the site of work**

United States Army Corps of Engineers

A permit to maintenance dredge sand and silt from up to 53 canals on the east side of Longboat Key, in Sections 15,22-25, 31 and 36, Township 35 South, Range 16 East, and Sections 6,7,16,21,22, and 31, Township 36 South, Range 17 East, Manatee and Sarasota Counties, Florida.

has been issued to the Town of Longboat Key

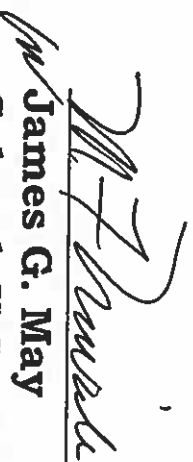
on June 22, 2000.

Address of Permittee:

501 Bay Isles Road

Longboat Key, FL 34228-3196

200000050(IP-MN)


James G. May
Colonel, U.S. Army
District Engineer

DEPARTMENT OF THE ARMY PERMIT

Permittee: TOWN OF LONGBOAT KEY

Permit No. 200000050 (IP-MN)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To maintenance dredge a total of approximately 47,000 cubic yards of sand and silt from 53 canals along the east side of Longboat Key. Entrance channels to some canals will also be dredged. No dredging will occur in canals 20, 21, 26, 33, and 52. Dredge depths will be -5 feet MLW and dredge spoil will be placed in three county park disposal areas (Overlook Park, Bayfront Park, and Durante Park) with possible return water from each disposal site. Dredging method will be either hydraulic or clam shell with dewatered spoil trucked to an upland disposal site. Navigational aids (19 total) will be placed in access channels 2, 12, and 30. All work is to be completed in accordance with the attached plans numbered 200000050 (IP-MN) in 25 sheets dated 4/10/2000, Attachment "A" regarding navigational aids and Attachment "B" entitles " STANDARD MANATEE CONSTRUCTION CONDITIONS".

Project Location: Canals off Sarasota Bay and Longboat Pass, Town of Longboat Key, Sections 15, 22-25, 31 and 36, Township 35 South, Range 16 East, and Sections 6,7,16,21,22 and 31, Township 36 South, Range 17 East, Manatee and Sarasota Counties, Florida.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on ~~JUN 22 2005~~. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature **and mailing address** of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. There will be no nighttime dredging.
2. The permittee shall utilize manatee spotters during construction.
3. The permittee shall adhere to the Standard Manatee Construction Conditions as outlined in Attachment "B" to this permit document.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
 - (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
 - (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).
2. Limits of this authorization.
 - a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal projects.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
 - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
 - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.


b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.


Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



(PERMITTEE) Bruce St. Denis, Town Manager

6/26/02
(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)
James G. May
Colonel, U.S. Army

7/2/2002
(DATE)

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: _____

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Regulatory Division, Post Office Box 4970, Jacksonville, Florida, 32232-0019.

TRANSFeree-SIGNATURE

DATE

(NAME-PRINTED)

(NAME OF SUBDIVISION)

(ADDRESS)

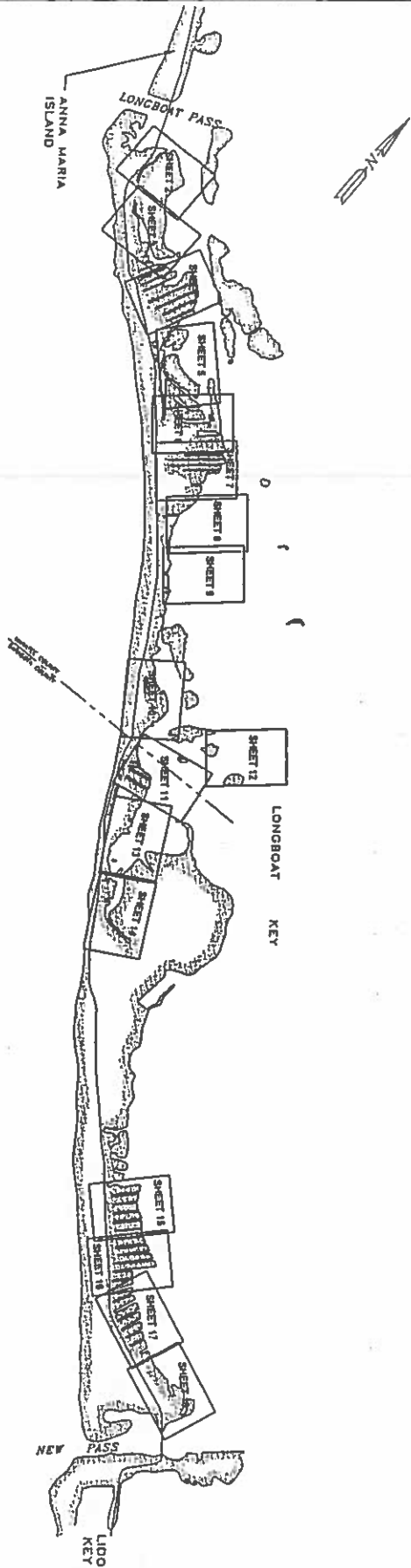
(Lot #)

(Block #)

(CITY, STATE, AND ZIP CODE)

(TELEPHONE NUMBER W/AREA CODE)

TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY



- NOTES:
1. Contour Lines on the project report are contours obtained on October 2, 1999
 2. Topographic contours on this map are for reference only.
 3. This survey is for the construction of the
 4. Hydrographic, geotechnical and geotechnical data were obtained from the project report.
 5. The project report contains the project location and cover sheet.
 6. The project report contains the project location and cover sheet.
 7. The project report contains the project location and cover sheet.
 8. The project report contains the project location and cover sheet.
 9. The project report contains the project location and cover sheet.
 10. The project report contains the project location and cover sheet.

GULF OF MEXICO

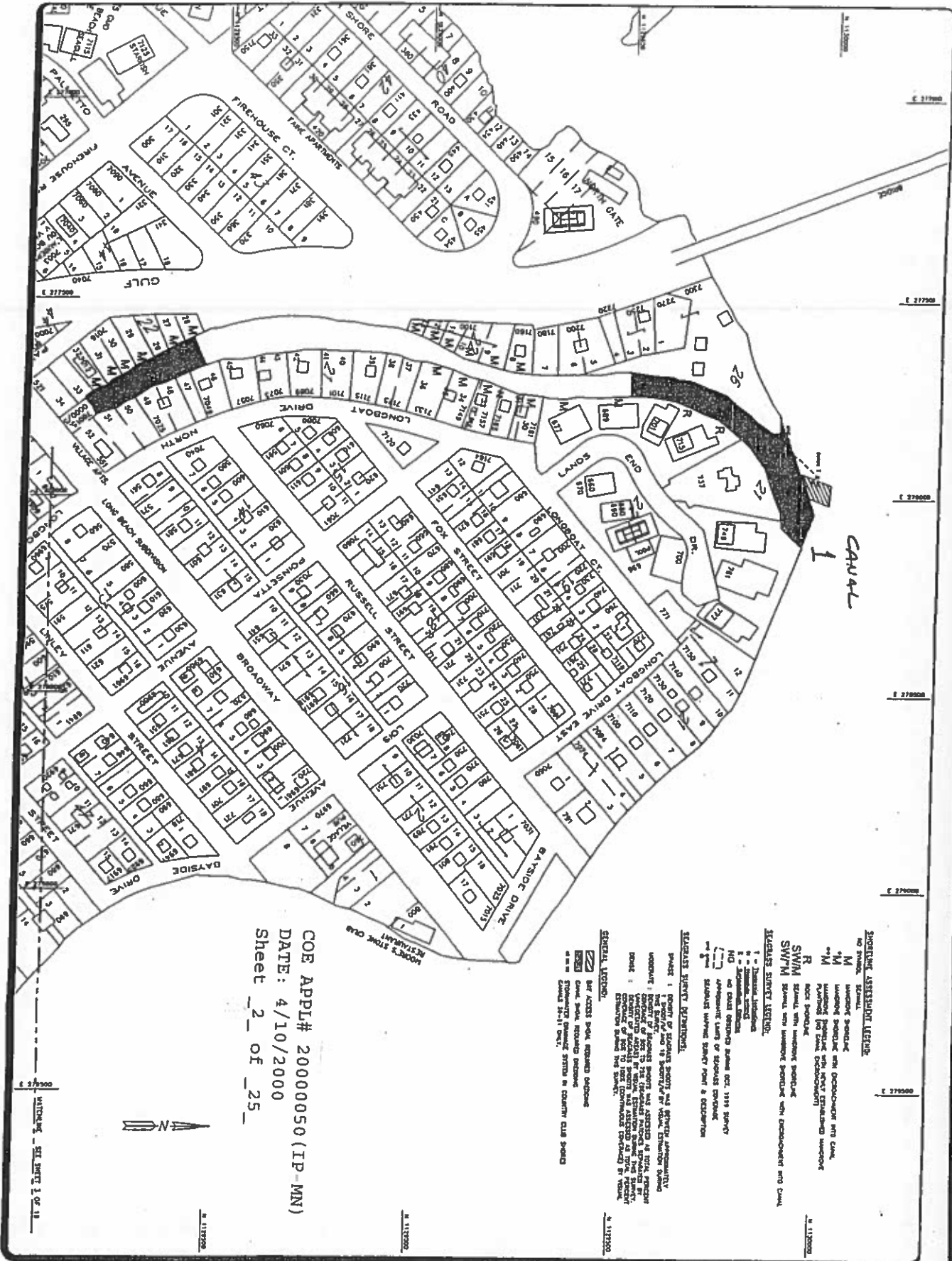
COE APPL# 20000050 (IP-MN)
DATE: 4/10/2000
Sheet 1 of 25

REVISION DATE:	

PROJECT NO.	20000050
DATE	11/18/98
SCALE	1" = 3000'
PROJECT	ENVIRONMENTAL ASSESSMENT SURVEY
DATE	11/18/98
SCALE	1" = 3000'
PROJECT	ENVIRONMENTAL ASSESSMENT SURVEY

PROJECT:
TOWN OF LONGBOAT KEY
CANAL MAINTENANCE DREDGING
ENVIRONMENTAL ASSESSMENT SURVEY
PROJECT LOCATION AND COVER SHEET

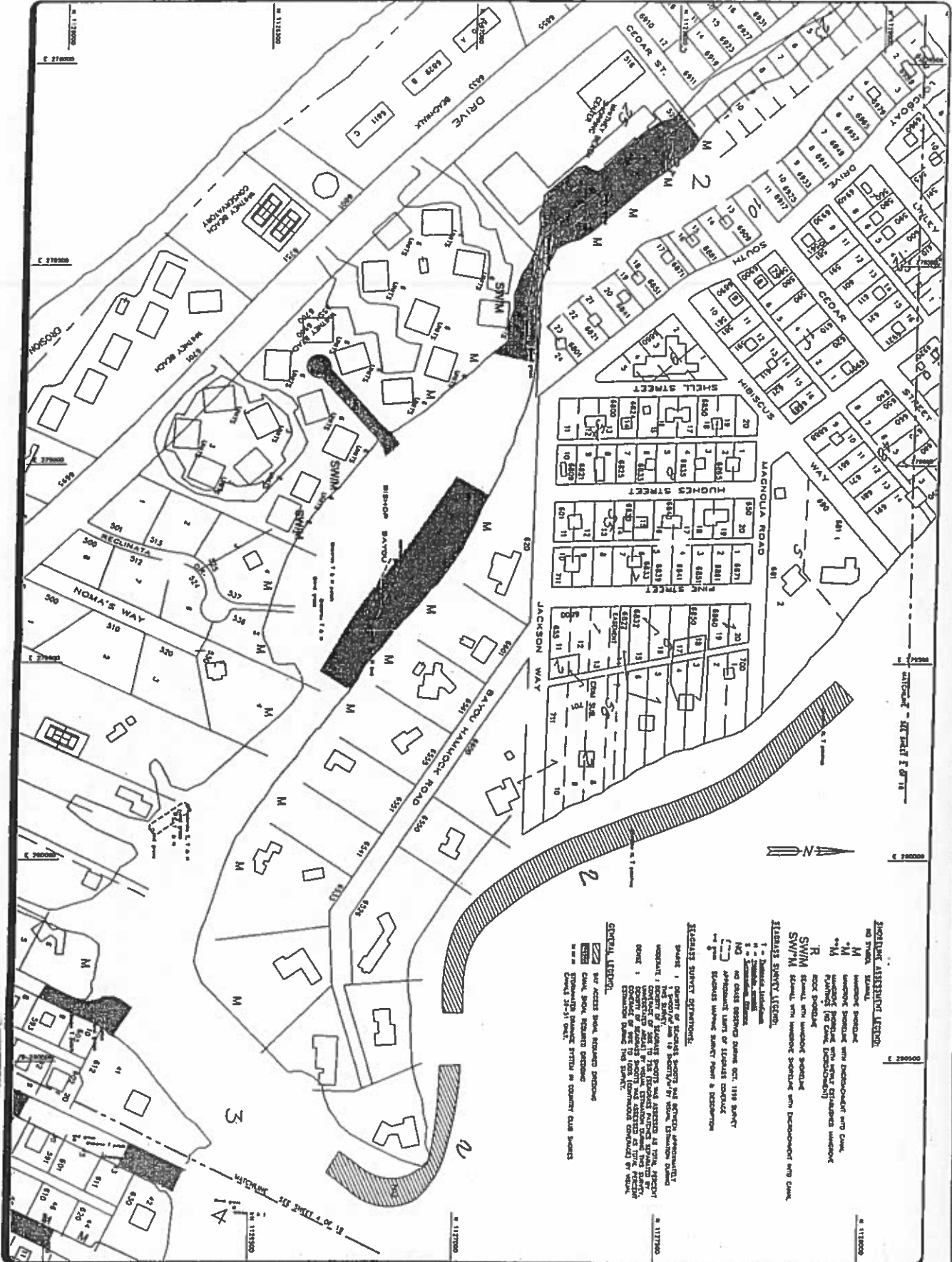
COASTAL PLANNING & ENGINEERING, INC.
BOCA RATON, FLORIDA
(561) 391-8102



CANAL

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 2 OF 25

- LEGEND**
- NO SWIM: SWIMMING
 - M: MANDATORY SWIMMING
 - SM: SWIMMING
 - WM: WADING
 - R: RIBBON SWIMMING
 - SW/M: SWIMMING AND WADING
- LEGEND SYMBOLS:**
- 1: 1' SWIMMING
 - 2: 2' SWIMMING
 - 3: 3' SWIMMING
 - 4: 4' SWIMMING
 - 5: 5' SWIMMING
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- LEGEND SYMBOLS:**
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 - 100: 100' SWIMMING



LEGEND

- Dredging Area
- M Mowded Property
- Mowded Property
- R SWIM Small, with mowded property
- SWIM Small, with mowded property
- SWIM Small, with mowded property

GENERAL NOTES:

- 1. Survey of the project area was completed on 11/17/2000.
- 2. The project area is located within the boundaries of the Longboat Key Canal.
- 3. The project area is located within the boundaries of the Longboat Key Canal.
- 4. The project area is located within the boundaries of the Longboat Key Canal.

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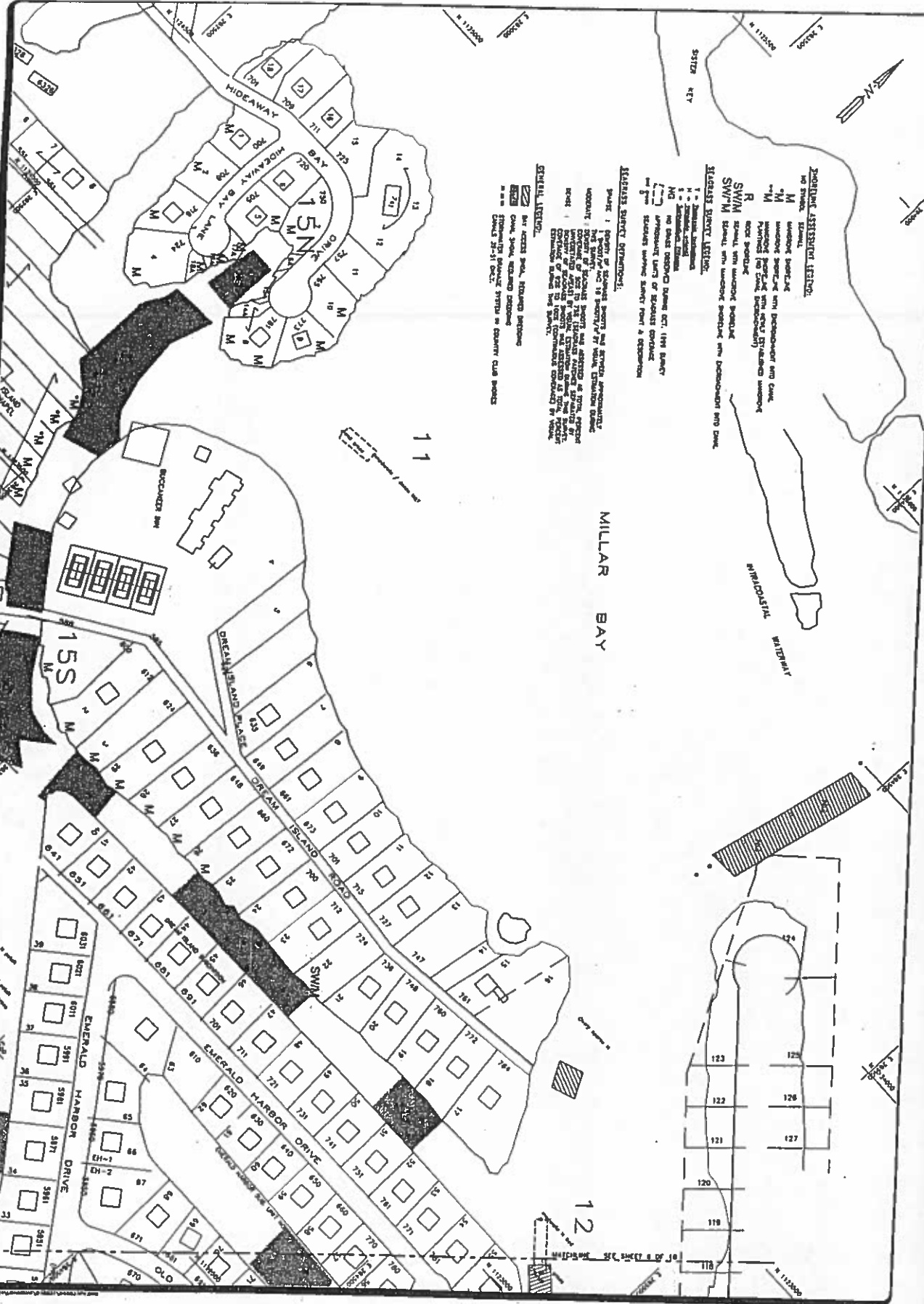
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COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 3 of 25



EXISTING VEGETATION LEGEND:

- M Mammalian herbivores
- M1 Mammalian herbivores with decomposition and leaf litter
- M2 Mammalian herbivores with decomposition and leaf litter plus
- M3 Mammalian herbivores with decomposition and leaf litter plus
- R Rich soil
- SWM Swamp
- SW/M Swampland, with mammalian herbivores
- SW/M Swampland, with mammalian herbivores and decomposition

SHADES SURVEY SYMBOLS:

- 1 - Swamp
- 2 - Swamp
- 3 - Swamp
- 4 - Swamp
- 5 - Swamp
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- 8 - Swamp
- 9 - Swamp
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- 155 - Swamp

SHADES SURVEY SYMBOLS:

- 1 - Swamp
- 2 - Swamp
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MILLAR BAY

11

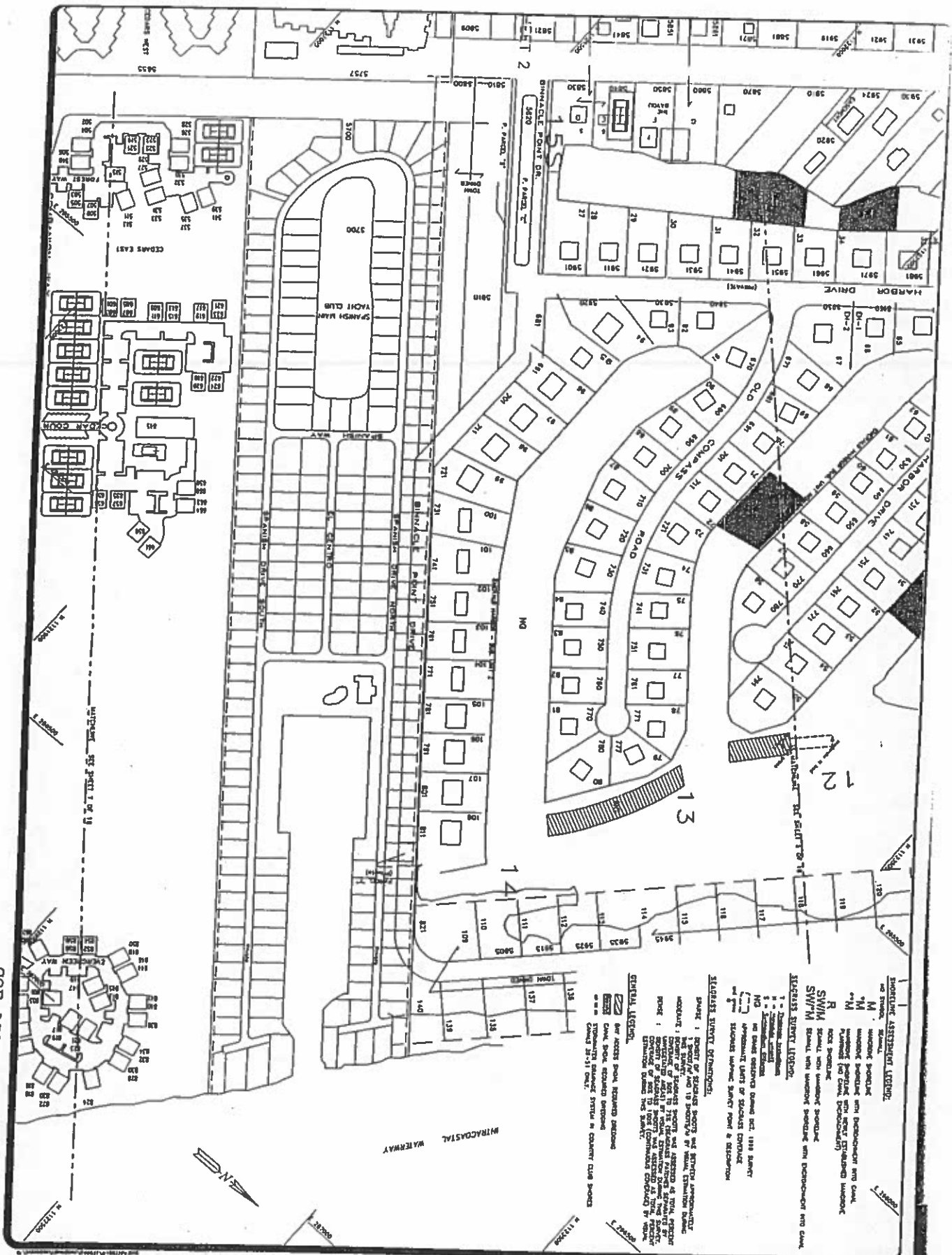
12

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 5 of 25

PROJECT	TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY
DATE	11/18/75
DRAWN BY	...
CHECKED BY	...
SCALE	1" = 100'
SHEET	5 OF 18

TOWN OF LONGBOAT KEY
 CANAL MAINTENANCE DREDGING PROJECT
 ENVIRONMENTAL ASSESSMENT SURVEY

COASTAL PLANNING & ENGINEERING, INC.
 BOCA RATON (561) 101-8107 SARASOTA JACKSONVILLE

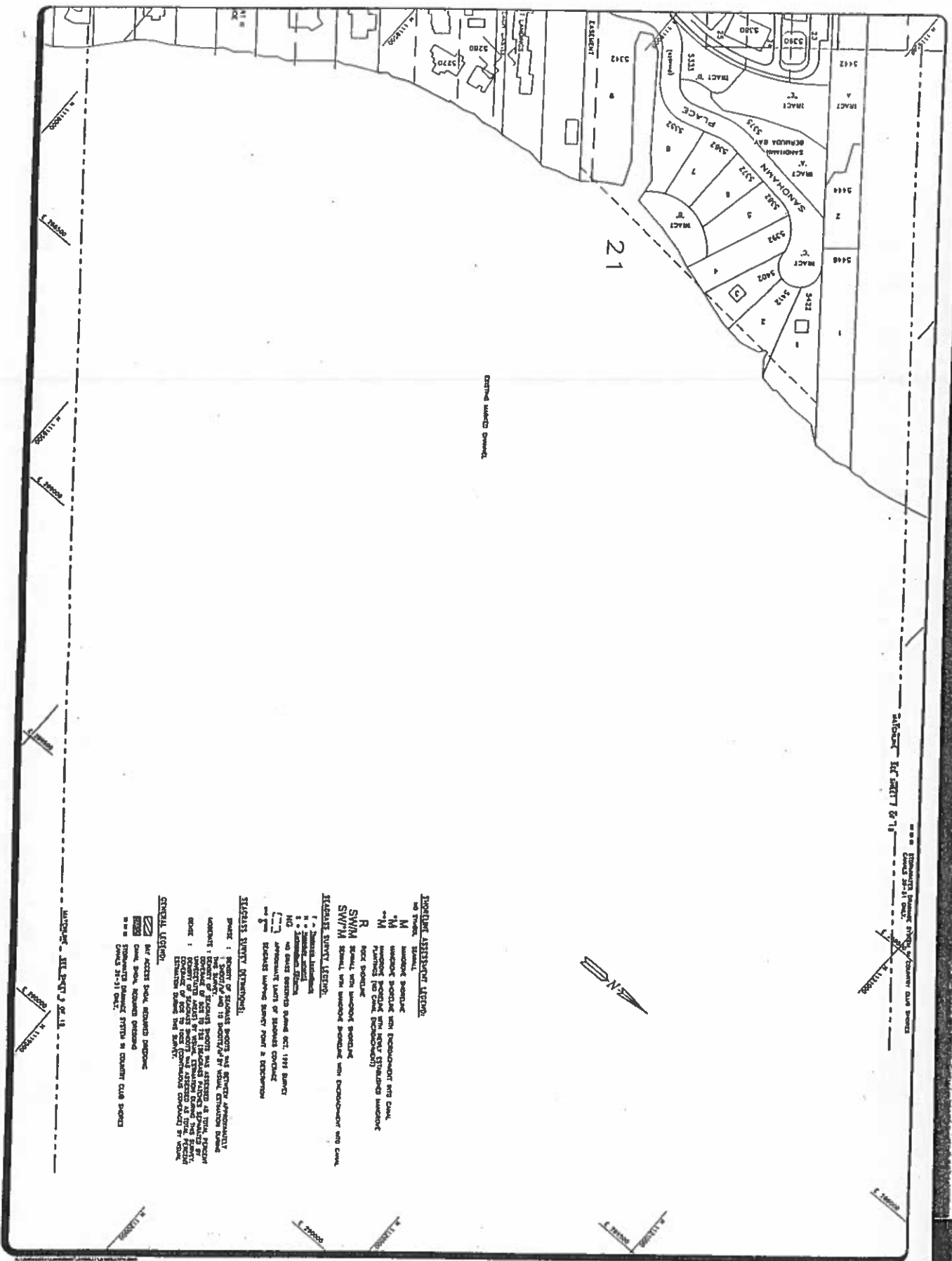


COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 6 of 25

PROPERTY ASSIGNMENT LEGEND:
 M MANDATORY PROPERTY
 M1 MANDATORY PROPERTY WITH ENCROACHMENT AND CANAL
 M2 MANDATORY PROPERTY WITH NEWLY ESTABLISHED MANDATORY CANAL
 R SWIM SWIMMING
 SW/M SWIMMING WITH MANDATORY PROPERTY AND ENCROACHMENT AND CANAL

ADDRESS STREET ORIENTATION:
 1 - Harbor Drive
 2 - Grand Yacht Club
 3 - Grand Yacht Club
 4 - Grand Yacht Club
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 199 - Grand Yacht Club
 200 - Grand Yacht Club

Project No. Date 11/1/78 1" = 100' 4 of 18	TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY	COASTAL PLANNING & ENGINEERING, INC. BOCA RATON FLORIDA (305) 993-1515 JACARANDA WOODS
--	--	--



Environmental Assessment Report
Canal Maintenance Dredging Project
Environmental Assessment Survey
Sheet 8 of 25

STRUCTURE ASSESSMENT LEGEND:

- M** - Minor structure
- M** - Moderate structure
- M** - Major structure
- M** - Medium structure
- M** - Minor structure
- M** - Moderate structure
- M** - Major structure
- M** - Medium structure

STANDARD SURVEY LEGEND:

- S** - Survey point
- S** - Survey point
- S** - Survey point
- S** - Survey point
- S** - Survey point
- S** - Survey point
- S** - Survey point
- S** - Survey point

STANDARD SURVEY NOTATION:

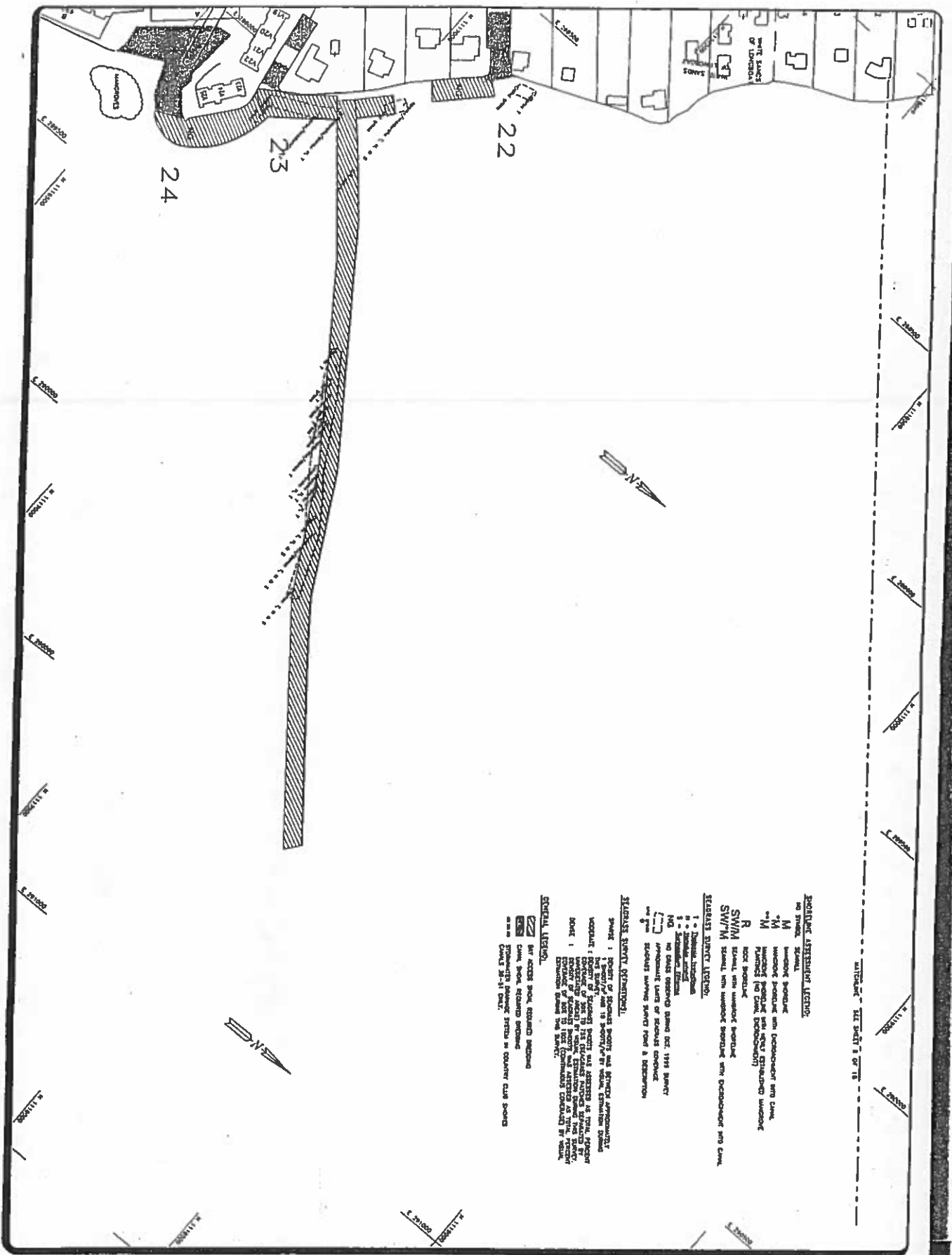
SPRINT : PROPERTY OF STANDARD SURVEY AND SURVEYING ASSOCIATION
THIS SURVEY AND IS GOVERNED BY THE RULES AND REGULATIONS OF THE
ASSOCIATION OF PROFESSIONAL SURVEYORS AND MAPPING ENGINEERS
OF THE STATE OF FLORIDA. THE SURVEYOR'S CERTIFICATE OF
PRACTICE IS A PUBLIC RECORD AND IS AVAILABLE FOR REVIEW AT THE
OFFICE OF THE SURVEYOR GENERAL, 1111 N. W. 11th St., Tallahassee,
Florida 32310. THE SURVEYOR GENERAL'S OFFICE IS THE ONLY
AUTHORITY TO ISSUE SURVEYING LICENSES AND TO ENFORCE THE
FLORIDA SURVEYING ACT.

GENERAL LEGEND:

- AIR ACCESS POINT, AIRPORT PROPOSED
- CANAL, SOUL, TROPICAL PROPOSED
- ENVIRONMENTAL ASSESSMENT POINTS IN EXISTING CANAL SPACES
- CANALS 24-31 DUAL

<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NO.</td><td>DATE</td><td>DESCRIPTION</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION										<p>TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY</p>	<p>COASTAL PLANNING & ENGINEERING, INC. 9004 94TH AVE (813) 301-8102 SARASOTA FLORIDA JACKSONVILLE FLORIDA</p>
NO.	DATE	DESCRIPTION												

COE APPL# 20000050 (IP-MN)
DATE: 4/10/2000
Sheet 8 of 25

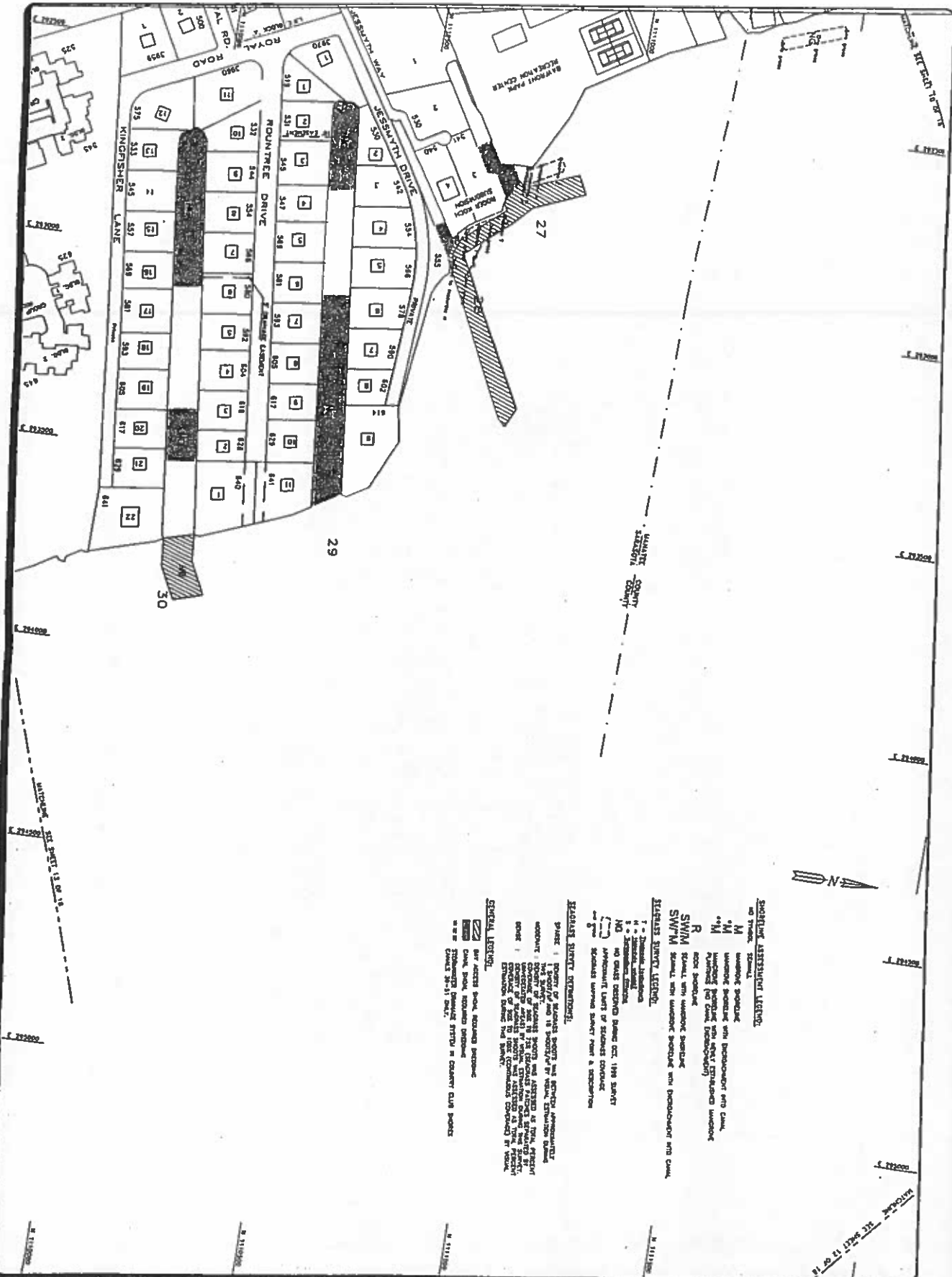


COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 9 of 25

PROJECT NO.	20000050
PROJECT NAME	TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY
DATE	11/16/99
SCALE	1" = 100'
DATE	4/10/2000
BY	[Signature]
CHECKED	[Signature]

TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY

COASTAL PLANNING & ENGINEERING, INC.
 P.O. BOX 10000, JACKSONVILLE, FLORIDA 32217
 SARASOTA, FLORIDA 34231
 (904) 321-1111



SOILTYPE ASSIGNMENT LEGEND:

- M medium moisture
- M* medium moisture with discontinuous fine sand
- M** medium moisture with deep stratified sandstone
- R rock
- SWM SWM: with medium moisture
- SWM* SWM: with medium moisture with discontinuous fine sand

SEWERAGE SURVEY LEGEND:

- 1 - Sewerage
- 2 - Sewerage
- 3 - Sewerage
- 4 - Sewerage
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- 100 - Sewerage

SEWERAGE SURVEY DETERMINATIONS:

- SPW1 - Sewerage
- SPW2 - Sewerage
- SPW3 - Sewerage
- SPW4 - Sewerage
- SPW5 - Sewerage
- SPW6 - Sewerage
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- SPW96 - Sewerage
- SPW97 - Sewerage
- SPW98 - Sewerage
- SPW99 - Sewerage
- SPW100 - Sewerage

GENERAL LEGEND:

- ☐ per access point, located between
- ☐ Canal, pond, reservoir, drainage
- ☐ Stormwater (shaded) within a drainage canal boundary
- ☐ Canal 30'-6" DIA.

GENERAL LEGEND:

- ☐ per access point, located between
- ☐ Canal, pond, reservoir, drainage
- ☐ Stormwater (shaded) within a drainage canal boundary
- ☐ Canal 30'-6" DIA.

GENERAL LEGEND:

- ☐ per access point, located between
- ☐ Canal, pond, reservoir, drainage
- ☐ Stormwater (shaded) within a drainage canal boundary
- ☐ Canal 30'-6" DIA.

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 11 of 25

COASTAL PLANNING & ENGINEERING, INC. P.O. BOX 1000 SARASOTA, FL 34231 (813) 551-8102		TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY	
PROJECT NO. DATE DRAWN BY CHECKED BY SCALE SHEET NO. OF TOTAL SHEETS	PROJECT NO. DATE DRAWN BY CHECKED BY SCALE SHEET NO. OF TOTAL SHEETS	PROJECT NO. DATE DRAWN BY CHECKED BY SCALE SHEET NO. OF TOTAL SHEETS	PROJECT NO. DATE DRAWN BY CHECKED BY SCALE SHEET NO. OF TOTAL SHEETS

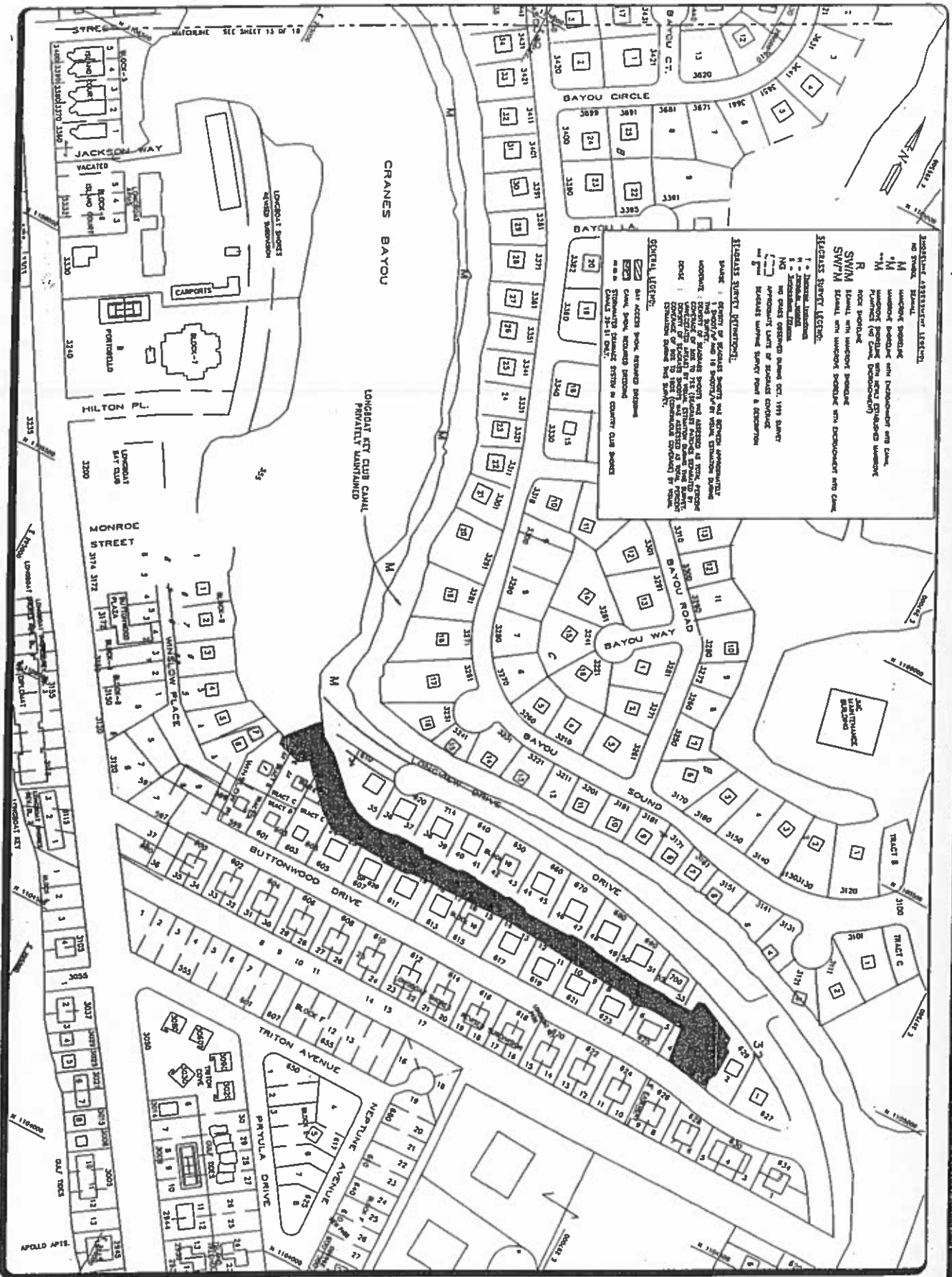


31

- STANDARD ABBREVIATION LEGEND:**
- M - Machine
 - W - Warehouse
 - R - Retail
 - SW/M - Small, with machine
 - SW/M - Small, with machine
- SEAPAST STREET DEFINITIONS:**
- 1 - District
 - 2 - Sub-district
 - NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted
- SEAPAST STREET DEFINITIONS:**
- NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted
- GENERAL LEGEND:**
- NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted
 - NO - No Development Permitted

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 13 of 25

<p>PROJECT: TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT ENVIRONMENTAL ASSESSMENT SURVEY</p>	<p>COASTAL PLANNING & ENGINEERING, INC. BOCA RATON: (561) 891-8102 SARASOTA JACKSONVILLE FL 33094</p>
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- EXISTING ASSISTANT ZONINGS:**
 M Medium Density Residential
 M₁ Medium Density Residential with parking and lawn
 M₂ Medium Density Residential with parking and lawn
 R Single-Family Residential
 R₁ Single-Family Residential with swimming pool
 SW/M Single-Family Residential with swimming pool and lawn
 SW/M₁ Single-Family Residential with swimming pool and lawn
 SW/M₂ Single-Family Residential with swimming pool and lawn
- SPECIAL ZONINGS:**
 SW/M₁ Single-Family Residential with swimming pool and lawn
 SW/M₂ Single-Family Residential with swimming pool and lawn
 SW/M₃ Single-Family Residential with swimming pool and lawn
- SPECIAL ZONING DESCRIPTIONS:**
 SW/M₁ - Single-Family Residential with swimming pool and lawn, minimum lot area 18,000 sq. ft., 18 months from date of recording of plat.
 SW/M₂ - Single-Family Residential with swimming pool and lawn, minimum lot area 18,000 sq. ft., 18 months from date of recording of plat.
 SW/M₃ - Single-Family Residential with swimming pool and lawn, minimum lot area 18,000 sq. ft., 18 months from date of recording of plat.
- GENERAL LEGEND:**
 [Symbol] Air access point, exterior ramp
 [Symbol] Canal, pool, interior ramp
 [Symbol] Stormwater drainage system in concrete curb spaces
 [Symbol] Canal 36"-48" DIA.

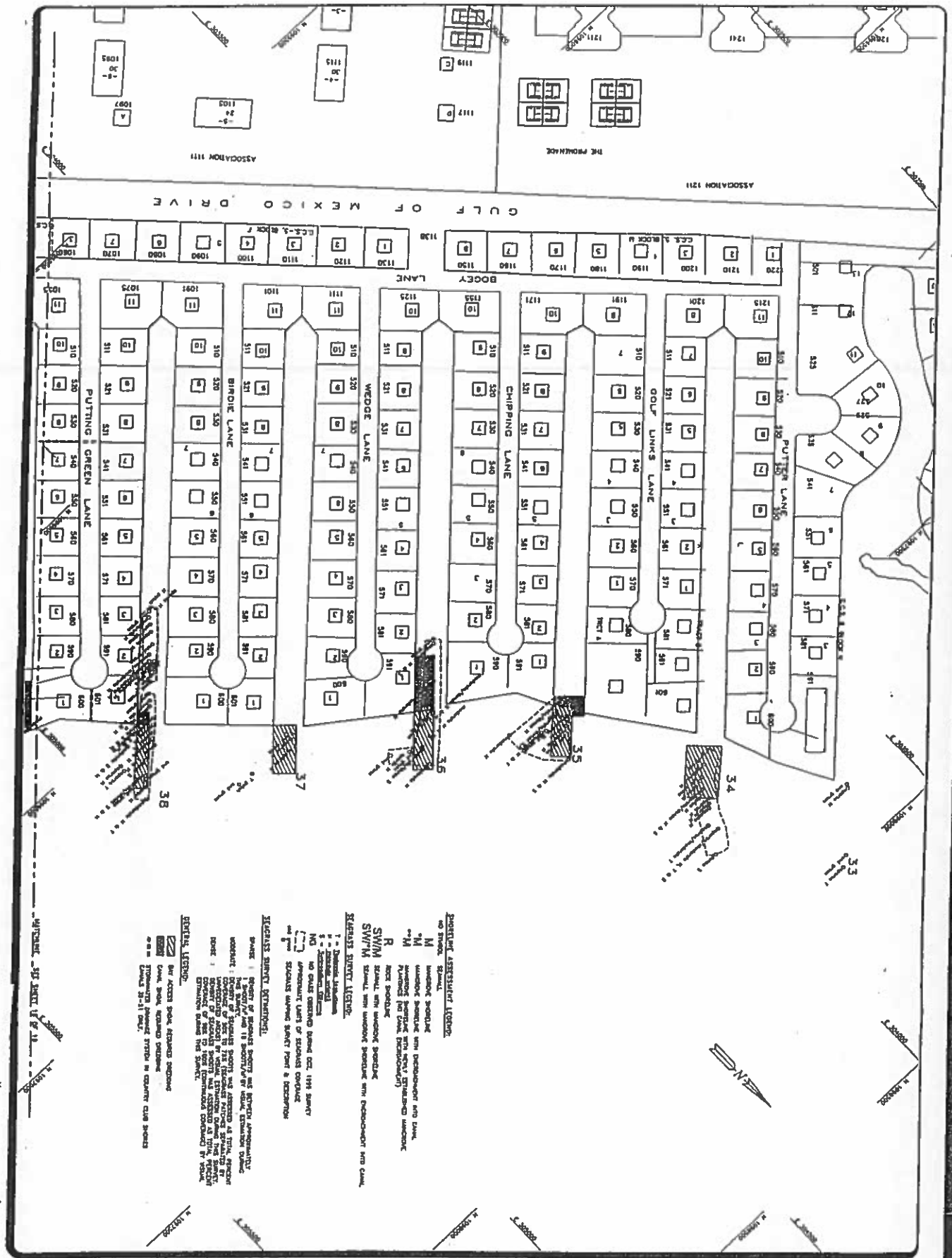
COE APP# 20000050 (IP-WN)
 DATE: 4/10/2000
 Sheet 14 of 25

NO.	DATE	BY	DESCRIPTION

PROJECT	TOWN OF LONGBOAT KEY CANAL MAINTENANCE DREDGING PROJECT
DATE	4/10/2000
SCALE	AS SHOWN
BY	[Signature]
CHECKED BY	[Signature]
DESIGNED BY	[Signature]
DATE	4/10/2000

TOWN OF LONGBOAT KEY
CANAL MAINTENANCE DREDGING PROJECT
ENVIRONMENTAL ASSESSMENT SURVEY

COASTAL PLANNING & ENGINEERING, INC.
 BOCA RATON (561) 381-1023 SARASOTA JACOBSONVILLE
 FLORIDA



COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 15 of 25

DATE	11/11/79
BY	J. J. ...
CHECKED BY	...
SCALE	1" = 100'
SHEET NO.	15 OF 18

**TOWN OF LONGBOAT KEY
 CANAL MAINTENANCE DREDGING PROJECT
 ENVIRONMENTAL ASSESSMENT SURVEY**

COASTAL PLANNING & ENGINEERING, INC.
 BOCA RATON - SAVASA - JACKSONVILLE
 (561) 391-8100
 FLORIDA

- EXISTING STRUCTURAL LEGEND:**
- M Masonry structure
 - WM Masonry structure with deck/porch and door
 - WM Masonry structure with open structural masonry
 - R R.C.C. structure
 - SWIM SWIM
 - SWIM SWIM
- SEWERAGE SURVEY LEGEND:**
- 1 - 4" diameter
 - 2 - 6" diameter
 - 3 - 8" diameter
 - 4 - 12" diameter
 - 5 - 18" diameter
 - 6 - 24" diameter
 - 7 - 30" diameter
 - 8 - 36" diameter
 - 9 - 42" diameter
 - 10 - 48" diameter
 - 11 - 54" diameter
 - 12 - 60" diameter
 - 13 - 66" diameter
 - 14 - 72" diameter
 - 15 - 78" diameter
 - 16 - 84" diameter
 - 17 - 90" diameter
 - 18 - 96" diameter
 - 19 - 102" diameter
 - 20 - 108" diameter
 - 21 - 114" diameter
 - 22 - 120" diameter
 - 23 - 126" diameter
 - 24 - 132" diameter
 - 25 - 138" diameter
 - 26 - 144" diameter
 - 27 - 150" diameter
 - 28 - 156" diameter
 - 29 - 162" diameter
 - 30 - 168" diameter
 - 31 - 174" diameter
 - 32 - 180" diameter
 - 33 - 186" diameter
 - 34 - 192" diameter
 - 35 - 198" diameter
 - 36 - 204" diameter
 - 37 - 210" diameter
 - 38 - 216" diameter
 - 39 - 222" diameter
 - 40 - 228" diameter
 - 41 - 234" diameter
 - 42 - 240" diameter
 - 43 - 246" diameter
 - 44 - 252" diameter
 - 45 - 258" diameter
 - 46 - 264" diameter
 - 47 - 270" diameter
 - 48 - 276" diameter
 - 49 - 282" diameter
 - 50 - 288" diameter
 - 51 - 294" diameter
 - 52 - 300" diameter
 - 53 - 306" diameter
 - 54 - 312" diameter
 - 55 - 318" diameter
 - 56 - 324" diameter
 - 57 - 330" diameter
 - 58 - 336" diameter
 - 59 - 342" diameter
 - 60 - 348" diameter
 - 61 - 354" diameter
 - 62 - 360" diameter
 - 63 - 366" diameter
 - 64 - 372" diameter
 - 65 - 378" diameter
 - 66 - 384" diameter
 - 67 - 390" diameter
 - 68 - 396" diameter
 - 69 - 402" diameter
 - 70 - 408" diameter
 - 71 - 414" diameter
 - 72 - 420" diameter
 - 73 - 426" diameter
 - 74 - 432" diameter
 - 75 - 438" diameter
 - 76 - 444" diameter
 - 77 - 450" diameter
 - 78 - 456" diameter
 - 79 - 462" diameter
 - 80 - 468" diameter
 - 81 - 474" diameter
 - 82 - 480" diameter
 - 83 - 486" diameter
 - 84 - 492" diameter
 - 85 - 498" diameter
 - 86 - 504" diameter
 - 87 - 510" diameter
 - 88 - 516" diameter
 - 89 - 522" diameter
 - 90 - 528" diameter
 - 91 - 534" diameter
 - 92 - 540" diameter
 - 93 - 546" diameter
 - 94 - 552" diameter
 - 95 - 558" diameter
 - 96 - 564" diameter
 - 97 - 570" diameter
 - 98 - 576" diameter
 - 99 - 582" diameter
 - 100 - 588" diameter
 - 101 - 594" diameter
 - 102 - 600" diameter
 - 103 - 606" diameter
 - 104 - 612" diameter
 - 105 - 618" diameter
 - 106 - 624" diameter
 - 107 - 630" diameter
 - 108 - 636" diameter
 - 109 - 642" diameter
 - 110 - 648" diameter
 - 111 - 654" diameter
 - 112 - 660" diameter
 - 113 - 666" diameter
 - 114 - 672" diameter
 - 115 - 678" diameter
 - 116 - 684" diameter
 - 117 - 690" diameter
 - 118 - 696" diameter
 - 119 - 702" diameter
 - 120 - 708" diameter
 - 121 - 714" diameter
 - 122 - 720" diameter
 - 123 - 726" diameter
 - 124 - 732" diameter
 - 125 - 738" diameter
 - 126 - 744" diameter
 - 127 - 750" diameter
 - 128 - 756" diameter
 - 129 - 762" diameter
 - 130 - 768" diameter
 - 131 - 774" diameter
 - 132 - 780" diameter
 - 133 - 786" diameter
 - 134 - 792" diameter
 - 135 - 798" diameter
 - 136 - 804" diameter
 - 137 - 810" diameter
 - 138 - 816" diameter
 - 139 - 822" diameter
 - 140 - 828" diameter
 - 141 - 834" diameter
 - 142 - 840" diameter
 - 143 - 846" diameter
 - 144 - 852" diameter
 - 145 - 858" diameter
 - 146 - 864" diameter
 - 147 - 870" diameter
 - 148 - 876" diameter
 - 149 - 882" diameter
 - 150 - 888" diameter
 - 151 - 894" diameter
 - 152 - 900" diameter
 - 153 - 906" diameter
 - 154 - 912" diameter
 - 155 - 918" diameter
 - 156 - 924" diameter
 - 157 - 930" diameter
 - 158 - 936" diameter
 - 159 - 942" diameter
 - 160 - 948" diameter
 - 161 - 954" diameter
 - 162 - 960" diameter
 - 163 - 966" diameter
 - 164 - 972" diameter
 - 165 - 978" diameter
 - 166 - 984" diameter
 - 167 - 990" diameter
 - 168 - 996" diameter
 - 169 - 1002" diameter
 - 170 - 1008" diameter
 - 171 - 1014" diameter
 - 172 - 1020" diameter
 - 173 - 1026" diameter
 - 174 - 1032" diameter
 - 175 - 1038" diameter
 - 176 - 1044" diameter
 - 177 - 1050" diameter
 - 178 - 1056" diameter
 - 179 - 1062" diameter
 - 180 - 1068" diameter
 - 181 - 1074" diameter
 - 182 - 1080" diameter
 - 183 - 1086" diameter
 - 184 - 1092" diameter
 - 185 - 1098" diameter
 - 186 - 1104" diameter
 - 187 - 1110" diameter
 - 188 - 1116" diameter
 - 189 - 1122" diameter
 - 190 - 1128" diameter
 - 191 - 1134" diameter
 - 192 - 1140" diameter
 - 193 - 1146" diameter
 - 194 - 1152" diameter
 - 195 - 1158" diameter
 - 196 - 1164" diameter
 - 197 - 1170" diameter
 - 198 - 1176" diameter
 - 199 - 1182" diameter
 - 200 - 1188" diameter
 - 201 - 1194" diameter
 - 202 - 1200" diameter
 - 203 - 1206" diameter
 - 204 - 1212" diameter
 - 205 - 1218" diameter
 - 206 - 1224" diameter
 - 207 - 1230" diameter
 - 208 - 1236" diameter
 - 209 - 1242" diameter
 - 210 - 1248" diameter
 - 211 - 1254" diameter
 - 212 - 1260" diameter
 - 213 - 1266" diameter
 - 214 - 1272" diameter
 - 215 - 1278" diameter
 - 216 - 1284" diameter
 - 217 - 1290" diameter
 - 218 - 1296" diameter
 - 219 - 1302" diameter
 - 220 - 1308" diameter

TOWN OF LONGBOAT KEY CANAL DREDGING PROJECT
SUMMARY

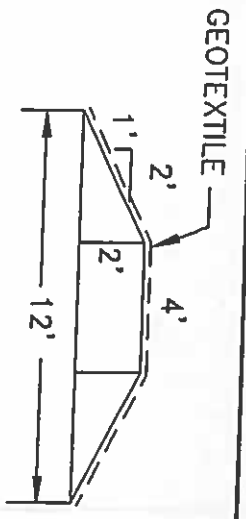
CANAL NO.	CANAL DREDGE LENGTH (2) FEET	CANAL DREDGE WIDTH FEET	CANAL DREDGE AVG DEPTH FEET	CANAL DREDGE VOLUME (1) CY	ACCESS DREDGE LENGTH (2) FEET	ACCESS DREDGE AVG DEPTH FEET	ACCESS DREDGE VOLUME (1)(3) CY	TOTAL DREDGE VOLUME CY	CANAL SEAGRASS IMPACT ACRES	ACCESS SEAGRASS IMPACT ACRES	DISTANCE TO KNOWN NAVIGABLE CHANNEL (FEET)(5)	NOTES OR NEAREST KNOWN NAVIGABLE CHANNEL
25	250	20	1.5	306	100	1.5	183	489	0.00	0.00	11500	Buttonwood Harbor
26	0	20	0	0	130	2	318	318	0.00	0.00	10500	Buttonwood Harbor
27	150	20	3	367	220	2.5	672	1039	0.00	0.10	7000	Buttonwood Harbor
28	100	20	3	244	450	1	550	794	0.00	0.04	6500	Buttonwood Harbor
29	730	20	1.5	892	0	0	0	892	0.00	0.00	5800	Buttonwood Harbor
30	520	20	1.5	636	150	0.5	92	727	0.00	0.00	5700	Buttonwood Harbor
31	0	20	0	0	0	0	0	0	0.00	0.00	6400	Buttonwood Harbor
32	1350	20	1.5	1650	0	0	0	1650	0.00	0.00	9900	Buttonwood Harbor
33	0	40	0	0	0	0	0	0	0.00	0.00	0	NO DREDGING
34	0	30	0	0	150	0.7	171	171	0.00	0.12	0	Un-named Channel
35	30	30	0.5	18	140	0.8	183	201	0.02	0.13	0	Un-named Channel
36	140	30	0.5	86	150	1	244	330	0.10	0.05	0	Un-named Channel
37	0	30	0	0	120	0.3	59	59	0.00	0.15	0	Un-named Channel
38	25	30	0.5	15	170	2	554	569	0.02	0.07	0	Un-named Channel
39	150	30	1.3	238	80	0.7	91	330	0.11	0.08	0	Un-named Channel
40	470	30	1.2	689	90	0.3	44	733	0.14	0.08	0	Un-named Channel
41	190	30	2.5	581	0	0	0	581	0.00	0.00	0	NO DREDGING
42	190	30	1.5	348	100	0.5	81	430	0.09	0.08	0	Un-named Channel
43	380	40	0.6	372	0	0	0	372	0.00	0.00	0	Un-named Channel
44	280	40	1	456	0	0	0	456	0.10	0.00	0	Un-named Channel
45	330	40	0.3	161	0	0	0	161	0.00	0.00	0	Un-named Channel
46	300	40	0.5	244	50	1	102	346	0.05	0.10	0	Un-named Channel
47	180	40	1.3	381	30	0.5	31	412	0.06	0.02	0	Un-named Channel
48	720	40	0.8	939	30	0.7	43	981	0.12	0.05	0	Un-named Channel
49	800	40	0.8	1043	50	0.5	51	1094	0.12	0.05	0	Un-named Channel
50	480	40	0.6	469	40	0.5	41	510	0.09	0.06	0	Un-named Channel
51	530	40	0.5	432	30	0.6	37	469	0.06	0.03	0	Un-named Channel
52	0	35	0	0	0	0	0	0	0.00	0.00	0	NO DREDGING
53	0	30	0	0	20	0.4	13	13	0.00	0.00	0	Un-named Channel
TOTALS	24165	27506	12370	24987	1.57	2.34						

- NOTES:
- VOLUME INCLUDES A 10 PERCENT CONTINGENCY.
 - CANAL ENDS AT THE SEAWALLS. BAY ACCESS STARTS AT THE SEAWALLS.
 - BAY ACCESS VOLUMES INCLUDE A 10 FOOT WIDER CHANNEL. THAN THE SPECIFIED CANAL WIDTH.
 - BAY ACCESS SEAGRASS IMPACT ACCOUNT FOR A 10 FOOT WIDER CHANNEL.
 - DISTANCE MEASURED FROM SEAWARD END OF CANAL.

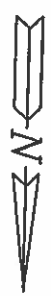
**TOWN OF LONGBOAT KEY CANAL DREDGING PROJECT
SUMMARY**

CANAL NO.	CANAL DREDGE LENGTH (2) FEET	CANAL DREDGE WIDTH FEET	CANAL DREDGE DEPTH AVG FEET	CANAL DREDGE VOLUME (1) CY	ACCESS DREDGE LENGTH (2) FEET	ACCESS DREDGE DEPTH AVG FEET	ACCESS DREDGE VOLUME (1)(3) CY	TOTAL DREDGE VOLUME CY	CANAL SEAGRASS IMPACT ACRES	ACCESS SEAGRASS IMPACT ACRES	DISTANCE TO KNOWN NAVIGABLE CHANNEL (FEET)(5)	NOTES OR NEAREST KNOWN NAVIGABLE CHANNEL
1	800	20	1.5	978	100	2.5	306	1283	0.02	0.05	0	Longboat Pass
2	1600	20	1.8	2347	1800	1.5	3300	5647	0.28	0.01	3000	Intracoastal Waterway
3	200	20	2	326	0	0	0	326	0.01	0.00	3000	Intracoastal Waterway
4	900	20	1	733	0	0	0	733	0.02	0.00	3500	Intracoastal Waterway
5	800	20	2	1304	0	0	0	1304	0.02	0.03	3800	Intracoastal Waterway
6	1350	20	2	2200	500	2	1222	3422	0.05	0.14	4200	Intracoastal Waterway
7	160	20	0.5	65	350	1.7	727	792	0.00	0.01	900	Intracoastal Waterway
8	330	20	1	269	170	1.2	249	518	0.00	0.05	400	Intracoastal Waterway
9	150	20	0.5	61	400	0.7	342	403	0.00	0.00	800	Intracoastal Waterway
10	900	20	2	1467	400	1.8	880	2347	0.00	0.10	1300	Intracoastal Waterway
11	0	20	0	0	400	0.5	244	244	0.00	0.00	2600	Intracoastal Waterway
12	700	20	1	570	60	0.2	15	585	0.00	0.08	1700	Intracoastal Waterway
13	190	20	0.5	77	160	1.1	215	293	0.00	0.01	2100	Intracoastal Waterway
14	0	20	0	0	370	0.5	226	226	0.00	0.00	2600	Intracoastal Waterway
15 N	770	20	0.5	314	0	0	0	314	0.00	0.00	3100	Intracoastal Waterway
15 S	650	20	0.8	424	0	0	0	424	0.00	0.00	4000	Intracoastal Waterway
16	640	0	0.5	0	120	1.5	220	220	0.00	0.00	600	Intracoastal Waterway
17	2180	11.25	2.5	2498	50	1	61	2559	0.04	0.00	500	Intracoastal Waterway
18	1430	6.5	1.5	568	0	0	0	568	0.02	0.00	800	Intracoastal Waterway
19	1200	10.5	3	1540	40	0.5	24	1564	0.03	0.00	800	Intracoastal Waterway
20	220	20	3.5	627	700	2.5	2139	2766	0.00	0.00	0	NO DREDGING
21	0	20	0	0	1800	2.5	5500	5500	0.00	0.00	0	NO DREDGING
22	150	20	0.5	61	2150	2	5256	5317	0.00	0.04	2100	Un-named Channel
23	150	20	1.5	183	200	1	244	428	0.00	0.58	1800	Un-named Channel
24	400	20	1	326	300	0.7	257	583	0.00	0.00	2000	Un-named Channel

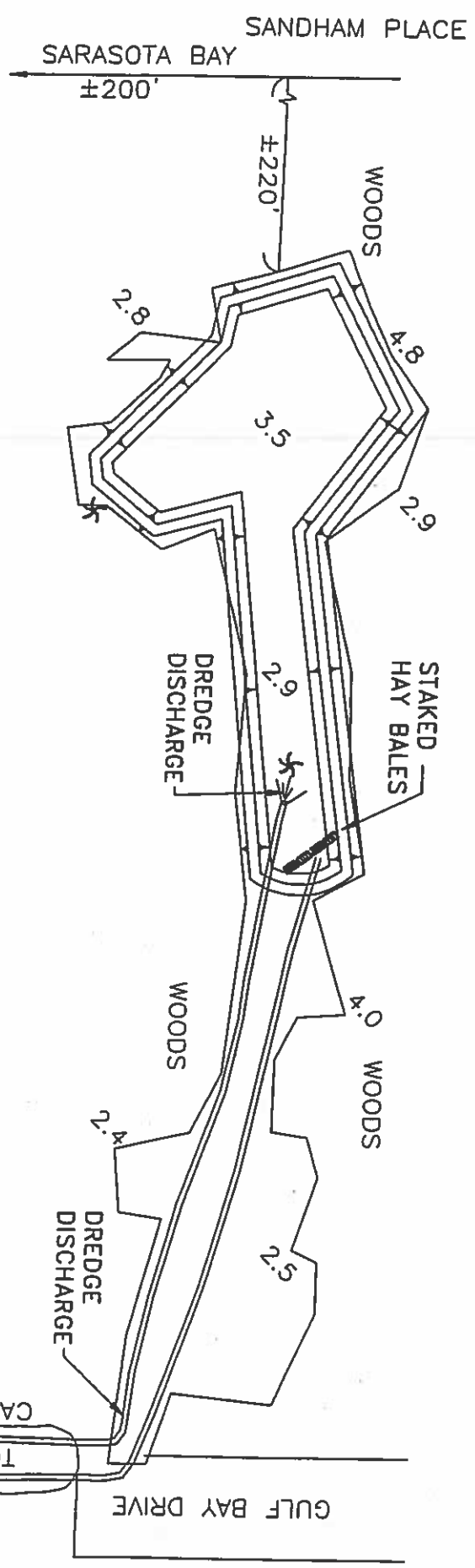
COE APPL# 200000050 (IP-MN)
DATE: 4/10/2000
Sheet 20 of 25



TYPICAL DIKE CROSS SECTION



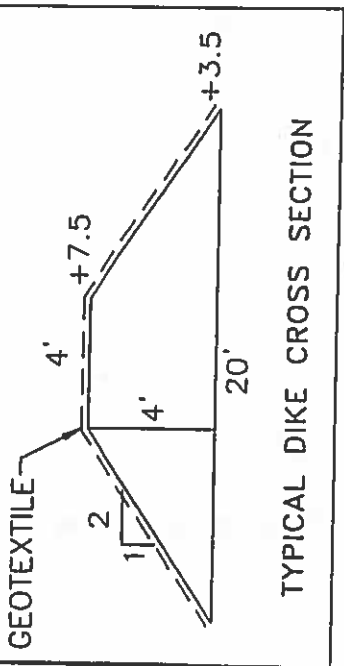
Scale: 1' = 60'



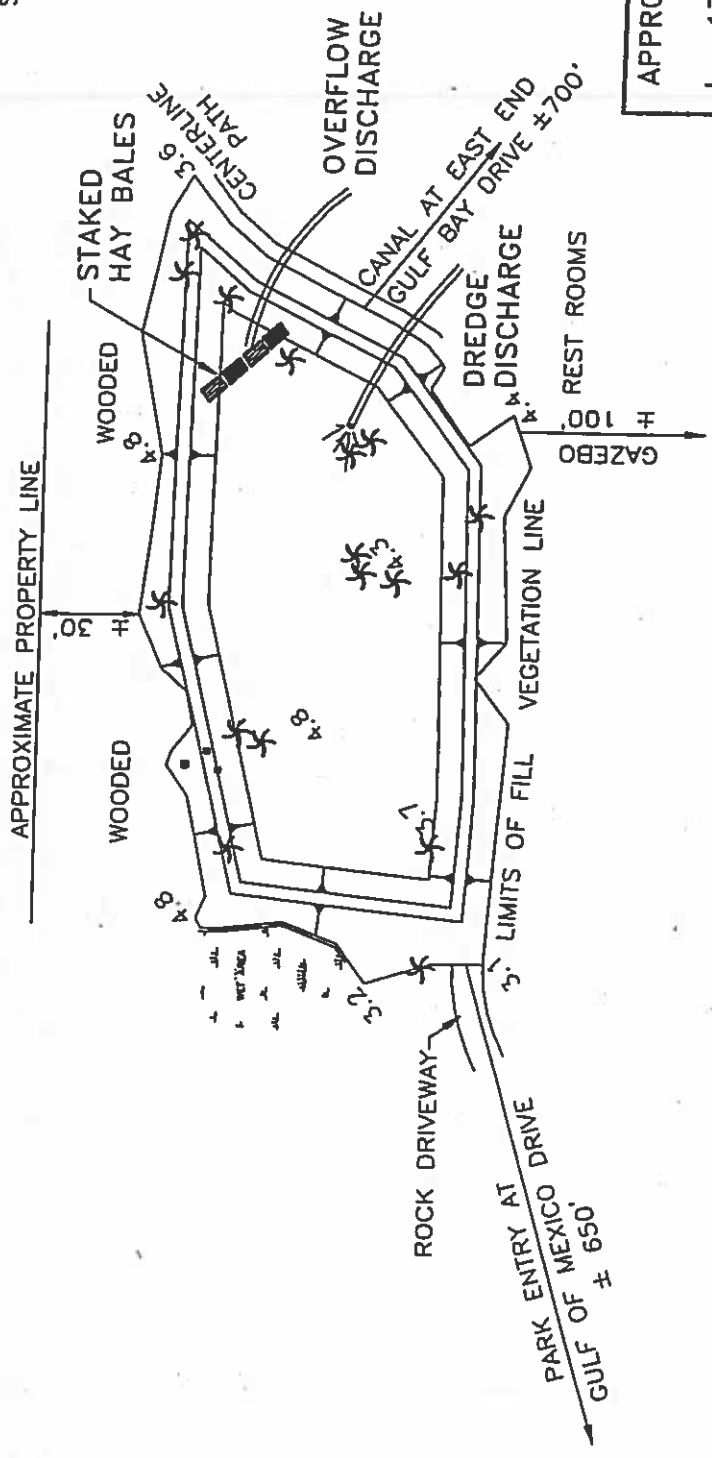
APPROXIMATE DIMENSIONS
 L = 220'
 W = 70'
 D = 2'
 VOL = 900CY

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 21 of 25

SHEET: 14	COM. NO. B488.37	BY: RI	DATE: 03/16/00	COASTAL PLANNING & ENGINEERING, INC. 2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431	TITLE: SPOIL DEWATERING SITE PLAN VIEW DURANTE PARK SOUTH-END OF GULF BAY DRIVE



Scale: 1" = 60'

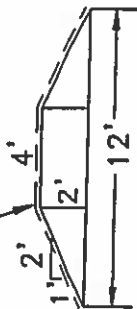


APPROXIMATE DIMENSIONS
 L = 170'
 W = 90'
 D = 4'
 VOL = 2250CY

COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 22 of 25

DATE: 03/15/00	COASTAL PLANNING & ENGINEERING, INC.	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431	TITLE: SPOIL DEWATERING SITE PLAN VIEW DURANTE PARK
BY: RI			
SHEET: 13	COMM. NO. 8488.37		

GEOTEXTILE

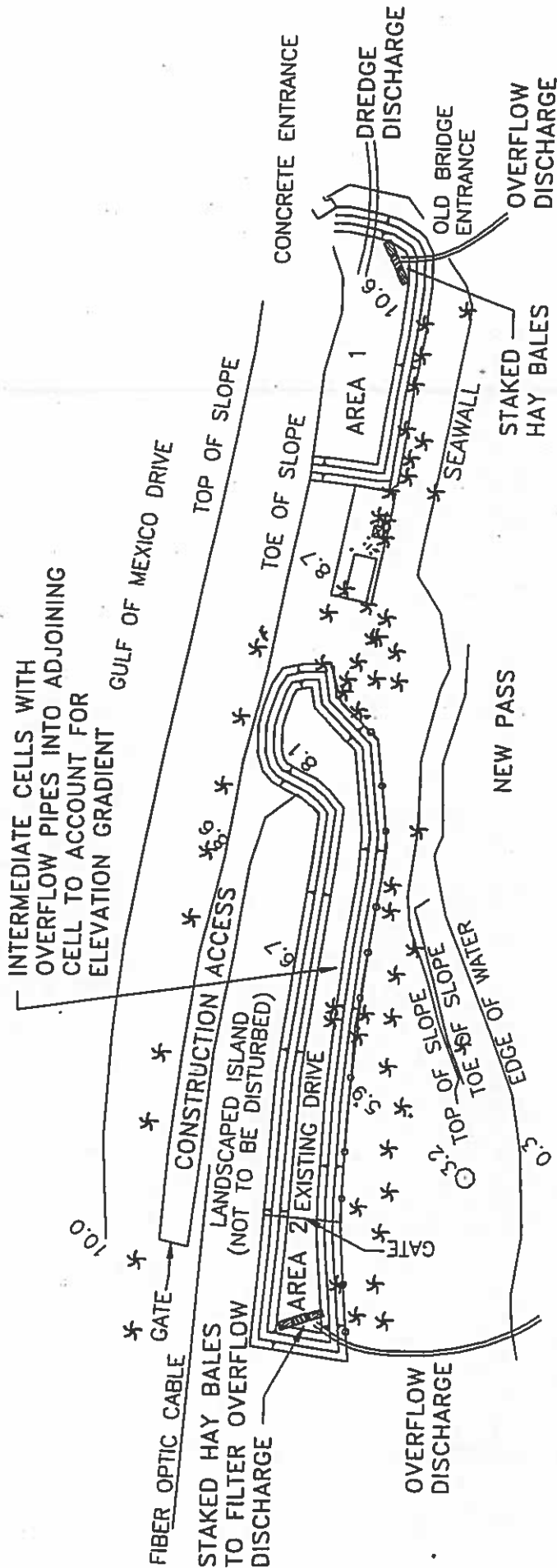


TYPICAL DIKE CROSS SECTION



Scale: 1" = 80'

INTERMEDIATE CELLS WITH
OVERFLOW PIPES INTO ADJOINING
CELL TO ACCOUNT FOR
ELEVATION GRADIENT



AREA 2

APPROXIMATE DIMENSION
L = 32'
W = 25'
D = 2'
VOL = 600CY

AREA 1

APPROXIMATE DIMENSION
L = 110'
W = 40'
D = 3.5'
VOL = 570CY

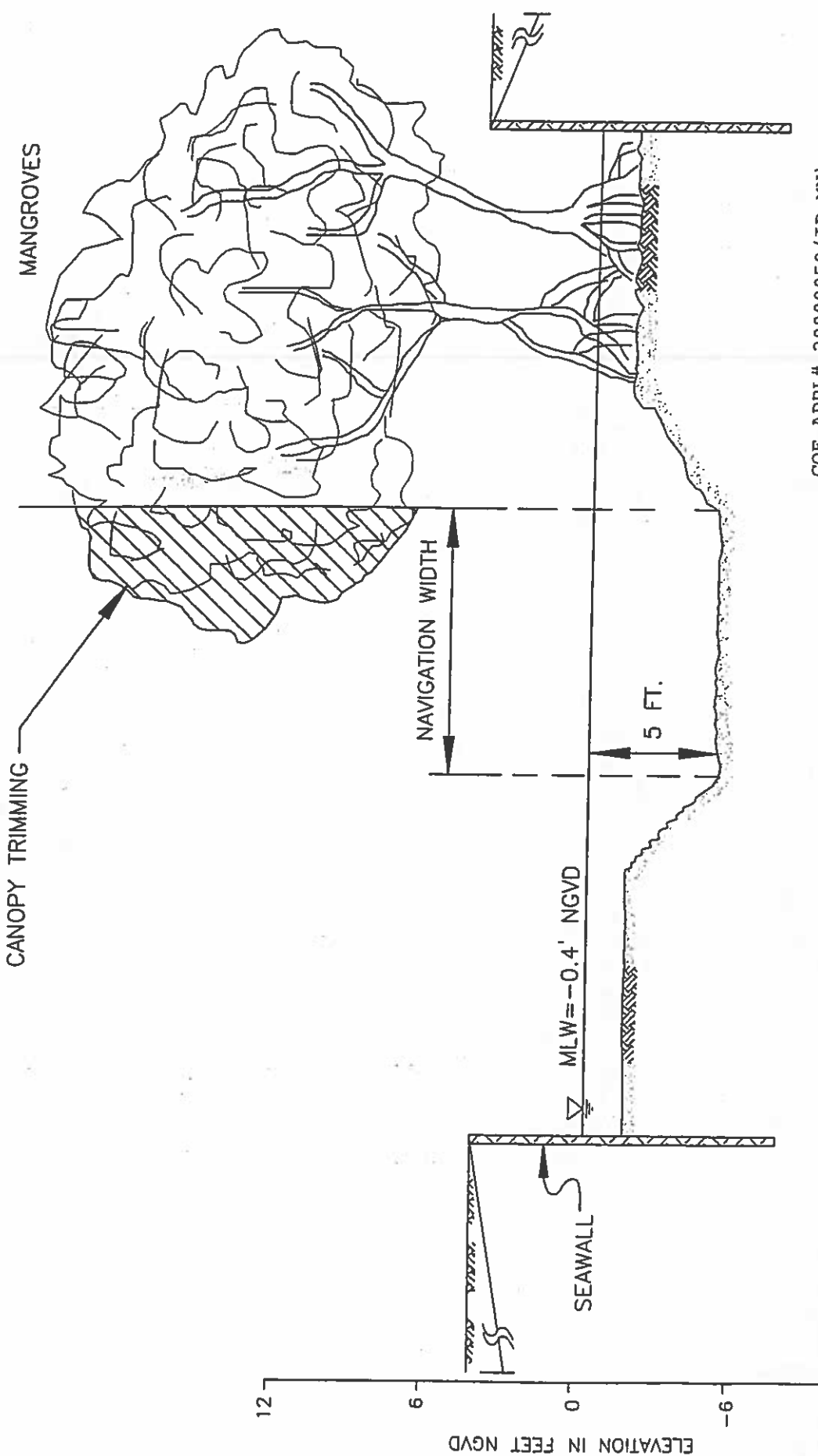
COE APPL# 20000050 (IP-MN)
DATE: 4/10/2000
Sheet 24 of 25

COASTAL PLANNING & ENGINEERING, INC.

DATE: 03/15/00
BY: [Signature]
COMM. NO. 8488.37
SHEET: 16

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

TITLE: SPOIL DEWATERING SITE PLAN VIEW
OVERLOOK PARK AREA

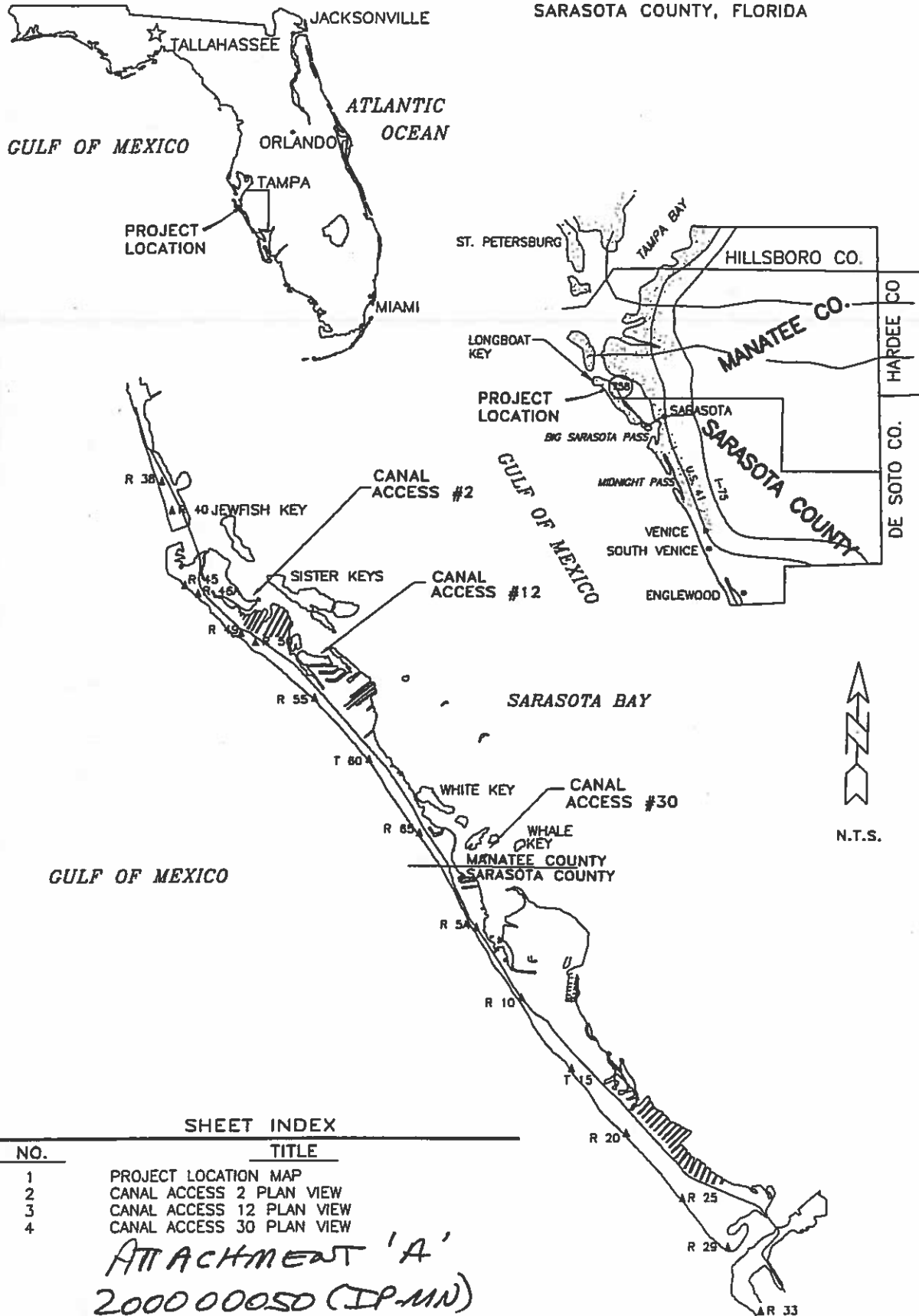


COE APPL# 20000050 (IP-MN)
 DATE: 4/10/2000
 Sheet 25 of 25

TITLE :	LONGBOAT KEY CANAL DREDGING PROJECT MANGROVE TRIMMING TYPICAL
2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431	COASTAL P ENGINEERING, INC.
DATE: 3/15/00 BY:	AMB COMM. NO. 8488.37 SHEET:
12	12

TOWN OF LONGBOAT KEY CANAL DREDGING PROJECT

SARASOTA COUNTY, FLORIDA



TITLE:
TOWN OF LONGBOAT KEY
CANAL DREDGING PROJECT
ACCESS 2, 12, & 30 LOCATION MAP

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

**COASTAL PLANNING &
ENGINEERING, INC.**

DATE:	01/22/02
BY:	EMH
COMM. NO.	8488.14
SHEET:	1 OF 5

SHEET INDEX

NO.	TITLE
1	PROJECT LOCATION MAP
2	CANAL ACCESS 2 PLAN VIEW
3	CANAL ACCESS 12 PLAN VIEW
4	CANAL ACCESS 30 PLAN VIEW

*ATTACHMENT 'A'
2000 00050 (IP-MN)*

Access Channel	Navigation Aid #	Co-ordinates	Comment
2	1	82.6785 W, 27.4344 N	2' square daymark - green
2	2	82.6786 W, 27.4344 N	2' triangular daymark - red
2	3	82.6783 W, 27.4340 N	2' square daymark - green
2	4	82.6784 W, 27.4339 N	2' triangular daymark - red
2	5	82.6781 W, 27.4337 N	2' square daymark - green
2	6	82.6782 W, 27.4336 N	2' triangular daymark - red
2	7	82.6765 W, 27.4330 N	2' square daymark - green
2	8	82.6766 W, 27.4329 N	2' triangular daymark - red
2	9	82.6762 W, 27.4329 N	2' square daymark - green
2	10	82.6763 W, 27.4328 N	2' triangular daymark - red
2	11	82.6757 W, 27.4325 N	2' square daymark - green
2	12	82.6758 W, 27.4324 N	2' triangular daymark - red
2	13	82.6756 W, 27.4321 N	2' square daymark - green
2	14	82.6758 W, 27.4322 N	2' triangular daymark - red
2	15	82.6759 W, 27.4318 N	2' square daymark - green
2	16	82.6760 W, 27.4319 N	2' triangular daymark - red
12	5	82.6621 W, 27.4221 N	2' square daymark - green
12	6	82.6617 W, 27.4219 N	2' triangular daymark - red
30	5A	82.6322 W, 27.3896 N	2' square daymark - green

ATTACHMENT 'A'
200000050 (IP-MN)
SA 20F5

LEGEND

- DENOTES PROPOSED NAVIGATION AID LOCATION

CANAL ACCESS #2

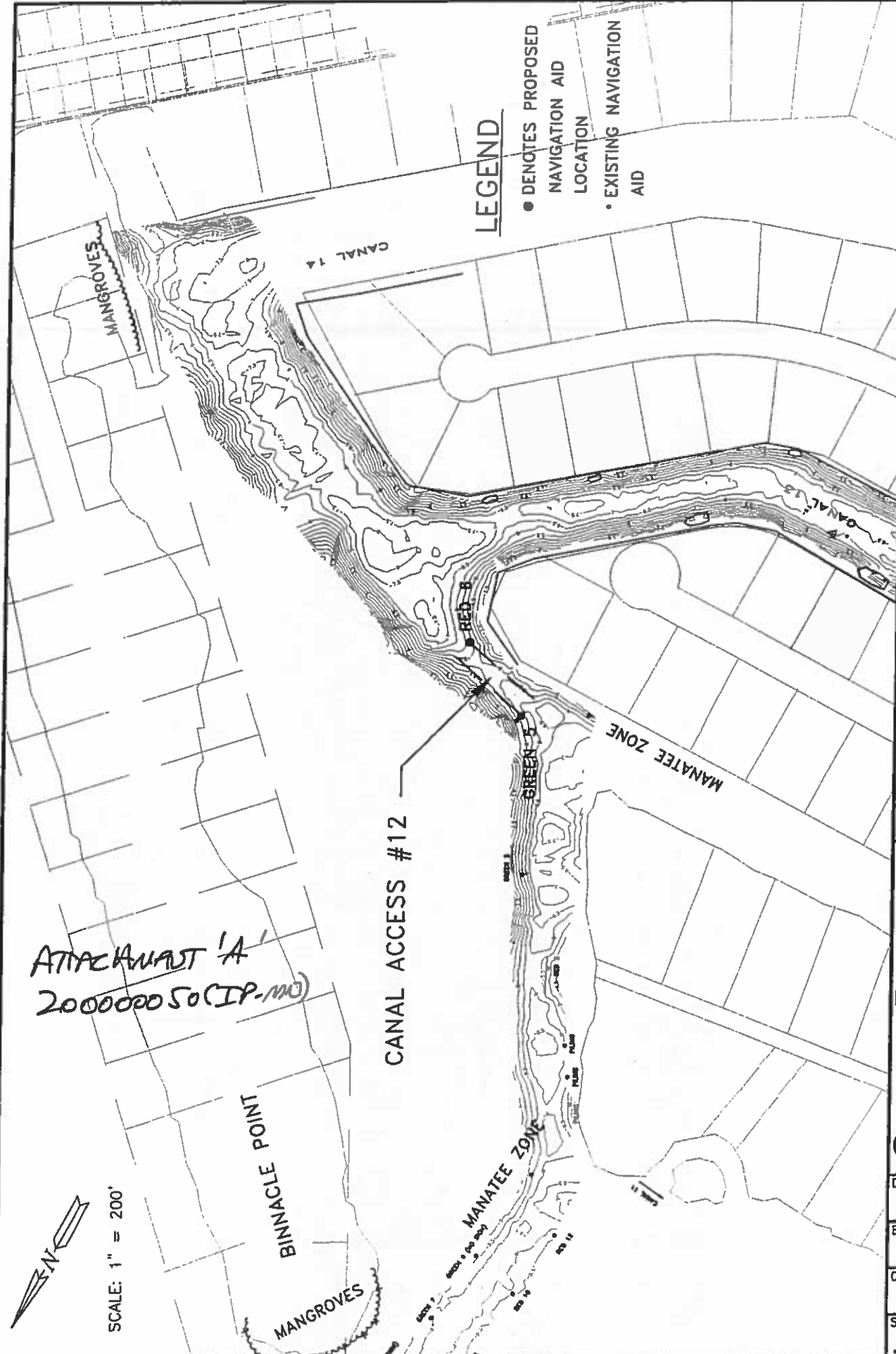


SCALE: 1" = 200'



ATTACHMENT 'A'
200000050 (IP-MN)

<p>COASTAL PLANNING & ENGINEERING, INC.</p>	<p>2481 N.W. BOCA RATON BLVD. BOCA RATON, FL 33431</p>	<p>TOWN OF LONGBOAT KEY CANAL DREDGING PROJECT CANAL ACCESS #2 NAVIGATION AID LOCATIONS</p>
<p>DATE: 1/22/02</p>	<p>TITLE:</p>	
<p>BY: EMH</p>	<p>NAVIGATION AID LOCATIONS</p>	
<p>COMM. NO. B488.44</p>	<p>NAVIGATION AID LOCATIONS</p>	
<p>SHEET: 3 OF 5</p>	<p>NAVIGATION AID LOCATIONS</p>	



LEGEND

- DENOTES PROPOSED NAVIGATION AID LOCATION
- EXISTING NAVIGATION AID

ATTACHMENT 'A'
200000050 (IP.MC)



SCALE: 1" = 200'

TITLE:
TOWN OF LONGBOAT KEY
CANAL DREDGING PROJECT
CANAL ACCESS #12
NAVIGATION AID LOCATIONS

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

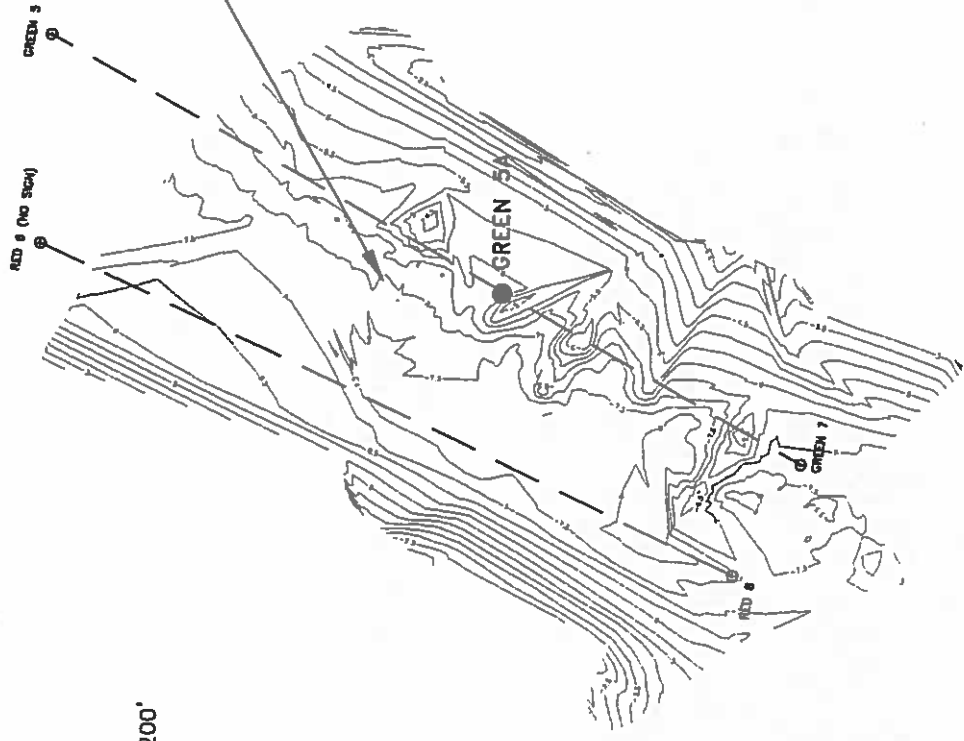
C COASTAL PLANNING &
E ENGINEERING, INC.

DATE: 1/22/02
BY: EMH
COMM. NO. 8488.44
SHEET: 4 OF 5

LEGEND

- DENOTES PROPOSED NAVIGATION AID LOCATION
- ⊙ EXISTING NAVIGATION AID

CANAL ACCESS #30



SCALE: 1" = 200'

ATTACHMENT 'A'
200000050 (IP-MN)

COASTAL PLANNING & ENGINEERING, INC. DATE: 1/22/02 BY: EMH COMM. NO. B488.44 SHEET: 3 OF 4	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL 33431	TITLE : TOWN OF LONGBOAT KEY CANAL DREDGING PROJECT CANAL ACCESS #30 NAVIGATION AID LOCATIONS
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Attachment "B"

STANDARD MANATEE CONSTRUCTION CONDITIONS

June 2001

The permittee shall comply with the following manatee protection construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of manatees and the need to avoid collisions with manatees. All construction personnel are responsible for observing water-related activities for the presence of manatee(s).
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972, The Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act.
- c. Siltation barriers shall be made of material in which manatees cannot become entangled, are properly secured, and are regularly monitored to avoid manatee entrapment. Barriers must not block manatee entry to or exist from essential habitat.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- e. If manatee(s) are seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure protection of the manatee. These precautions shall include the operation of all moving equipment no closer than 50 feet of a manatee. Operation of any equipment closer than 50 feet to a manatee shall necessitate immediate shutdown of that equipment. Activities will not resume until the manatee(s) has departed the project area of its own volition.
- f. Any collision with and/or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580) for north Florida or Vero Beach (1-561-562-3909) in south Florida.