

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107
and the
S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

REGULATORY DIVISION

Refer to: P/N #2003-1W-337-P

7 NOVEMBER 2003

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et seq.) an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

THE TOWN OF HILTON HEAD
c/o SLIGH ENVIRONMENTAL CONSULTANTS, INC.
49 PARK OF COMMERCE WAY, SUITE 203
SAVANNAH, GEORGIA 31405

for a permit to perform dredging, install temporary coffer dams and construct a bulkhead in waters of the

SHIPYARD CANAL AND LAGOON SYSTEM (leading into Broad Creek)

at locations within Shipyard Plantation, Town of Hilton Head, Beaufort County, South Carolina (Latitude 32.15226°, Longitude 80.74829°)

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by both of the above mentioned offices until

12 O'CLOCK NOON, MONDAY, 8 DECEMBER 2003

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of performing excavation to remove 10,000 cubic yards of material from areas totaling 3.0 acres within the Shipyard Canal as part of the Town of Hilton Head's project to improve drainage in the North Forest Beach area. The work will be performed in stages with temporary coffer dams installed, water pumped out of the area to be dredged, dredging performed by mechanized excavating equipment and the coffer dams removed. The excavated material will be placed in dump trucks and hauled to a suitable upland disposal site. The project also includes the installation of 210 linear feet of bulkhead to prevent bank erosion and scour at bridge abutments during storm events. Several timber bridges will also be replaced during the project and a new pump station will be constructed in uplands but those will not fall under the jurisdiction of this office. The purpose of the project is for drainage improvement.

NOTE: Plans depicting the work described in this notice are available and will be provided, upon receipt of a written request, to anyone that is interested in obtaining a copy of the plans for the specific project. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided for mailing the drawings to you. Your request for drawings should be addressed to the

**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69A Hagood Avenue
Charleston, South Carolina 29403-5107.**

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 3.0 acres of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The District Engineer has consulted the most recently available information and has determined that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

The District Engineer has consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. Consultation of the National Register constitutes the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the presence of such resources. Presently unknown archaeological, scientific, prehistorical, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

7 NOVEMBER 2003

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

If there are any questions concerning this public notice, please contact me at 843-329-8044 or toll free at 1-866-329-8187.



Debra W. King
Project Manager
Regulatory Division
U.S. Army Corps of Engineers

Project Description
Shipyards Canal Drainage Improvements Project
Hilton Head Island, Beaufort County, South Carolina
20 October 2003

1.0 INTRODUCTION:

As part of the on-going North Forest Beach Drainage Improvements, the Town of Hilton Head is proposing a drainage improvements project within Shipyards Plantation. The drainage improvements project corridor consists of the existing Shipyards canal/lagoon system which extends from Highway 278 southeast to the southeastern boundary of Shipyards Plantation, Hilton Head Island, Beaufort County, South Carolina.

2.0 EXISTING SITE CONDITIONS:

The project site is composed of habitats which are typical for Hilton Head Island, South Carolina. The upland area within and adjacent to the project corridor consists of existing residential homes, roads, golf course, and landscaped and maintained areas associated with Shipyards Plantation. A wetland determination was completed within the project corridor and as verified by the U.S. Army Corps of Engineers (USACE) in the Notification of Jurisdictional Determination dated 28 August 1999 (USACE Project No. 80-99-0171(J)), the project corridor contains jurisdictional waters of the U.S. including the existing storm water/golf course canal and lagoon system. These jurisdictional areas contain a deep open water aquatic habitat which supports only a minimal amount of vegetation along the bank. It should be noted that no jurisdictional wetland or isolated non-jurisdictional wetland areas are present within the project corridor and no wetland impacts are associated with the proposed project.

3.0 PROPOSED PROJECT:

The proposed project is part of the Town of Hilton Head Island capital improvements program and is intended to decrease the flooding of roads and buildings within this watershed. The project area encompasses half of a large storm water lagoon and canal system which extends from North Forest Beach approximately 2.5 miles north to the marshes of the Broad Creek. These canals and lagoons provide both storm water drainage and storage for Wexford Plantation, Long Cove Plantation, Shipyards Plantation, and North Forest Beach. Due to the growth and development of the area prior to current storm water management regulations, there is a great need to provide drainage improvements within this system. The applicant considered several alternatives to satisfy the project purpose. Although expansion of the existing drainage system was considered (i.e. excavation of upland area to create additional conveyance and storage capacity), this system extends through several residential developments offering little opportunity for expansion of the lagoons or creation of additional lagoons.

The proposed project includes the maintenance dredging of portions of the existing canal/lagoon system, stabilization of portions of the canal/lagoon bank, and installation of a pump station. A brief description of each activity and associated jurisdictional area impacts is provided below.

Maintenance Dredging:

The applicant is proposing maintenance dredging within the main stem of the canal/lagoon system. This canal/lagoon system was constructed during the development of Shipyards Plantation in the early 1970's. Because this system has not been maintained for over thirty years and the watershed has undergone development during that period, sediments have been deposited throughout this system. To provide adequate storm water storage capacity and conveyance within this system, the applicant has proposed to conduct maintenance dredging to remove deposited sediments within the limits of the existing canal/lagoon system. This operation will be conducted in phases or segments where coffer dams are temporarily installed to section off a portion of the system to allow dredging. Following installation of the temporary coffer dams, the water within the section will be pumped from the area and sediment from the bottom of the canal removed using mechanized excavating equipment. All excavated material will be placed into dump trucks and hauled from the work area to a suitable upland disposal site. Following removal of all sediment and restoration of the canal bottom, the coffer dams will be removed and normal surface water elevations restored. It should be noted

the applicant reviewed opportunities to use a floating hydraulic dredge operation but determined that the canal widths and number of structures (i.e. bridges, culverts, etc.) prevented the use of a hydraulic dredge. After full consideration of available options, conventional excavation of the material was selected. All construction areas will be chosen and construction activities performed in a manner to preserve the canal banks and avoid major disturbance to existing trees and overhanging vegetation when and where possible.

This portion of the proposed project requires temporary impacts to approximately 3.0 acres of jurisdictional canal/lagoon associated with the temporary dewatering, temporary fill for installation of the coffer dams, and excavation of the sediments.

Bank Stabilization:

In addition to the maintenance dredging, the applicant is proposing the replacement of several existing timber bridges, reshaping of the existing lagoon/canal bank (upland excavation), and the installation of a small bulkhead installation of approximately 210 linear feet of bulkhead. This portion of the project is necessary to prevent future bank erosion and scour at bridge abutments during storm events. It should be noted that this portion of the project requires no impacts to jurisdictional areas.

Cordillo Parkway Pump Station:

The final aspect of the project includes the installation of a pump station within the existing canal adjacent to and south of Cordillo Parkway. This pump station is proposed to replace the Dunnagan's Alley Pump Station which was permitted by the USACE as part of the Wexford Canal Drainage Improvements Project (USACE P/N #2002-1G-344-P). Since authorization of the proposed Dunnagan's Alley Pump Station, the applicant determined a pump station at Cordillo Parkway would provide a greater improvement in surface water elevations during a storm event, reduce the limits of maintenance dredging within Shipyard Canal, and reduce the overall cost of the project. For these reasons, the applicant has proposed to delete the Dunnagan's Alley Pump Station from the project and add the Cordillo Parkway Pump Station. As indicated in the attached permit drawings, the proposed pump station will be constructed within upland area adjacent to the existing lagoon and no impacts to jurisdictional area is required for this portion of the proposed project.

4.0 WATER QUALITY:

The Town of Hilton Head possesses a strong interest in improving the water quality in and around its jurisdiction. The existing drainage boundaries for this watershed will not change; therefore no runoff will be diverted to or from the current outfall. The design of this system will not create an overall increase in storm water volume into Broad Creek and therefore will not affect the current water quality or chemistry.

In addition to considering water quality issues during project design, the Town has been collecting biweekly sampling for nine water quality indicators at twelve strategic locations on the island, including the Wexford Canal Outfall site, since September of 1999. As part of the Wexford Canal Drainage Improvements Project, the applicant committed to continue this monitoring through project construction, and after its completion, to determine what effect this project may have on water quality in Broad Creek. Since the Shipyard Drainage Improvements project is part of the same storm water drainage system and is located upstream, the continued monitoring of the Wexford Canal Outfall will enable the applicant to help determine if the project has any impacts, beneficial or detrimental, on the water quality entering the Broad Creek and allow the applicant to take corrective measures to analyze and resolve the problem. It is not anticipated that the project will adversely impact the water quality of Broad Creek.

5.0 THREATENED AND ENDANGERED SPECIES:

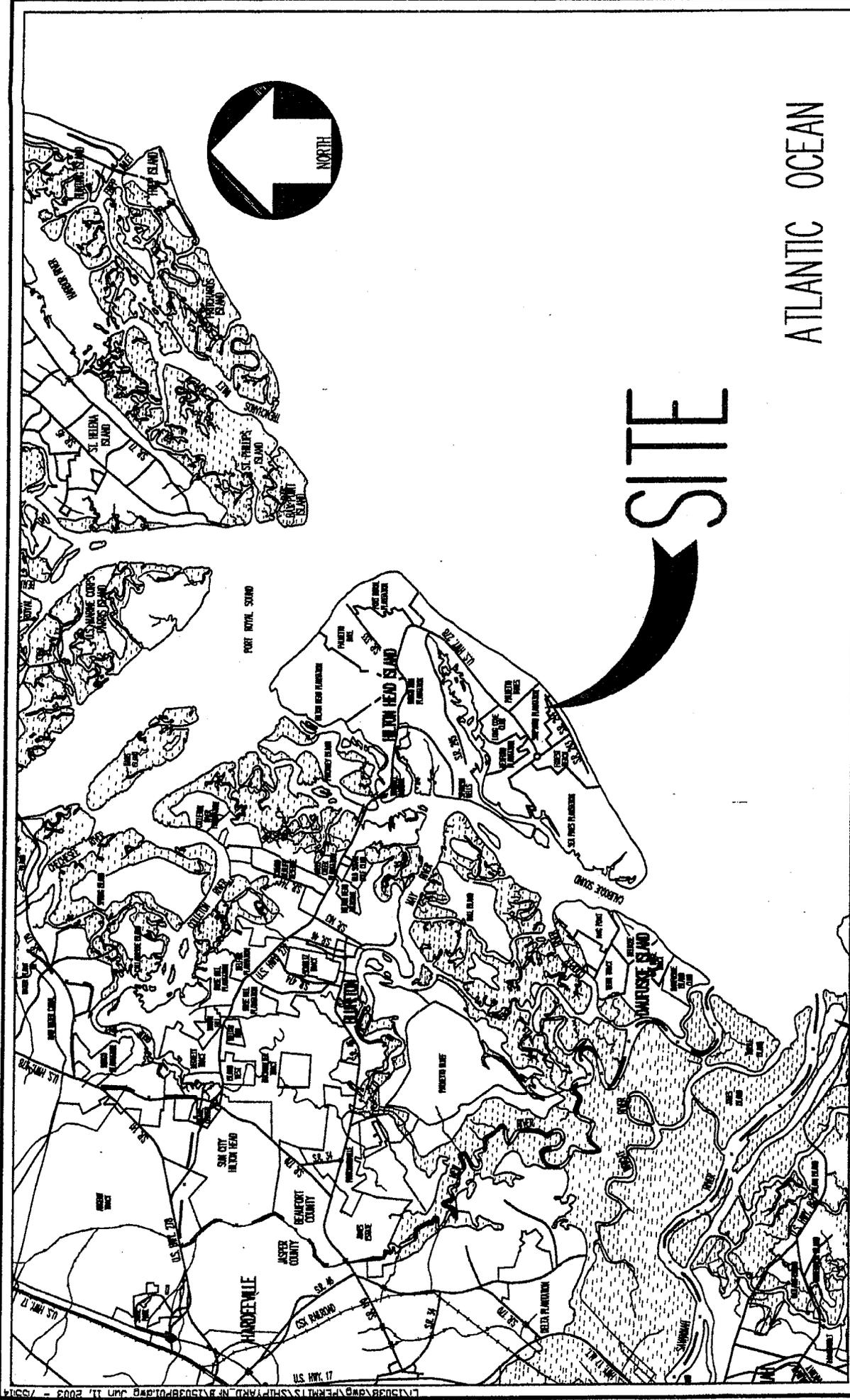
A preliminary threatened and endangered species survey was completed within the project corridor. Based on the results of this preliminary survey and due to the fact that the project corridor is surrounded by existing residential development, the lack of habitat required to support any listed species, and the lack of evidence of any threatened and endangered species, the proposed drainage improvements project is not expected to impact any individual or population of any threatened or endangered species (see attached Threatened and Endangered Species Survey Report of Findings).

6.0 CULTURAL RESOURCES:

Although a cultural resources survey has not been completed within the project corridor, all areas adjacent to the project corridor contain existing residential development associated with Shipyard Plantation and all activities associated with the proposed project will occur within existing storm water/golf course canals and lagoons. Thus, it is our opinion that no archaeological sites eligible for listing on the National Register of Historic Places will be impacted by the proposed drainage improvements project.

7.0 CONCLUSION:

The Town of Hilton Head has proposed the Shipyard Canal improvements as part of the on-going storm water improvements designed to satisfy the needs for this area of Hilton Head Island. The unavoidable jurisdictional area impacts include temporary impacts to waters of the U.S. associated with the maintenance dredging of the canal. All development activities will be performed using best management practices (silt fencing, grassed slopes, etc.) to further avoid and minimize impacts to wetland areas to be preserved on the property.



ATLANTIC OCEAN

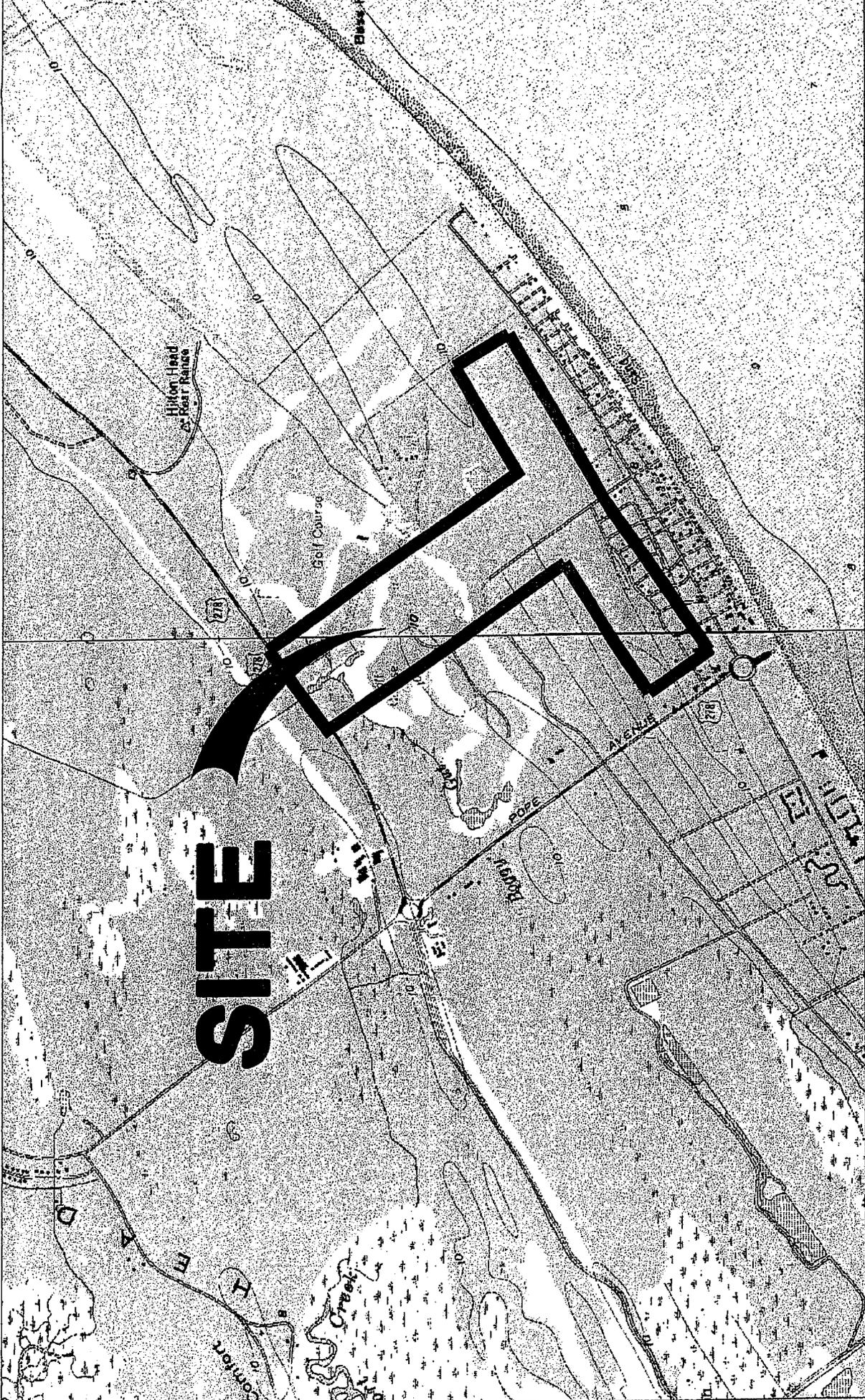
SITE

SHIPYARD CANAL DREDGING 2003-1W-337-f

VICINITY MAP
 HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 SOURCE: THOMAS & HUTTON ENGINEERING CO.

DATE: JUNE 11, 2003
 SCALE: 1" = 4 MILES
 SHEET 1 of 28

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



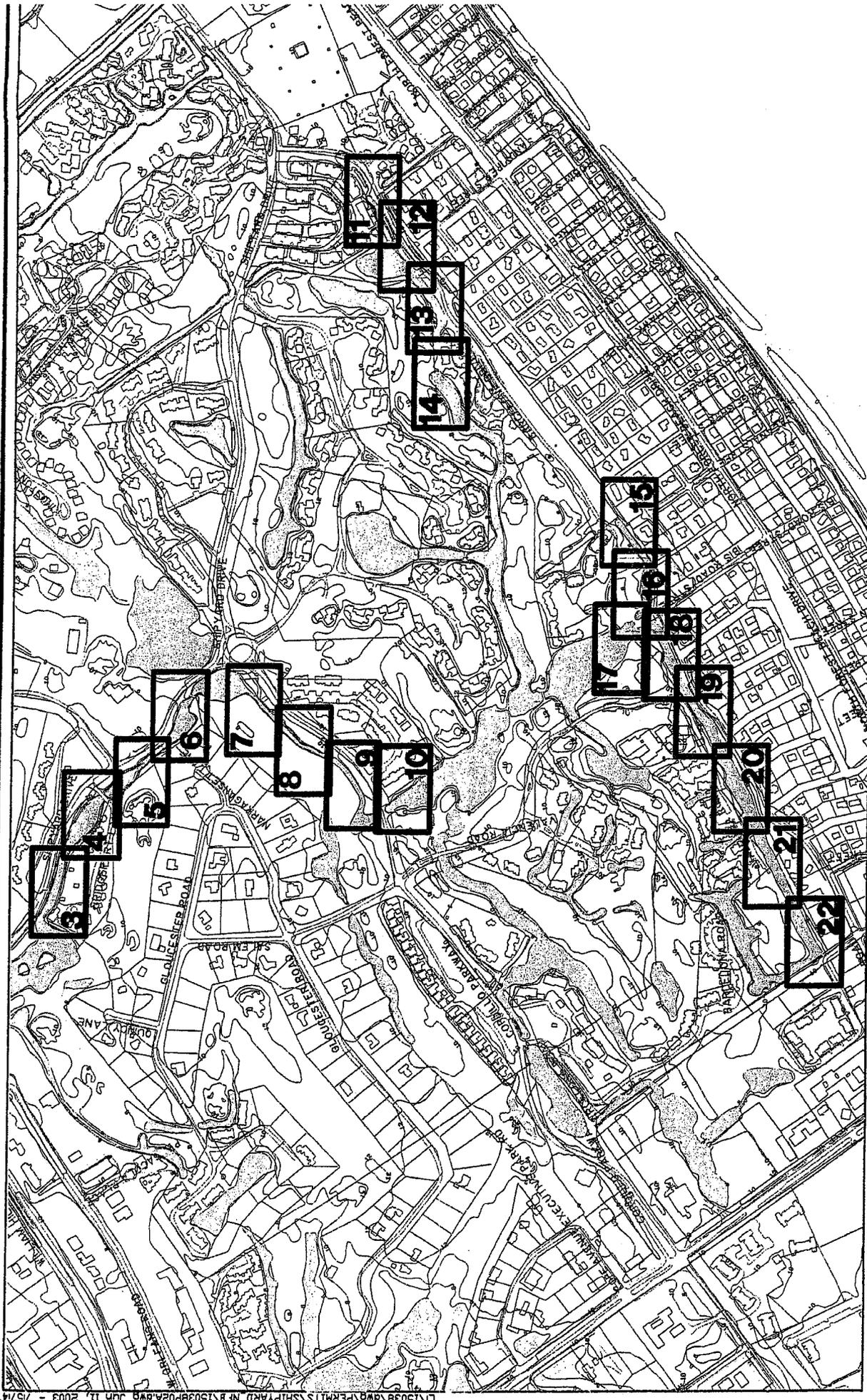
SITE

PROPOSED ACTIVITY:
**CANAL DREDGING, BULKHEAD
 REPLACEMENT**
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

SHIPYARD CANAL DREDGING 2003-1W-337-P

VICINITY MAP
 HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 SOURCE: THOMAS & HUTTON ENGINEERING CO.

LATITUDE 32° 8' 20"
 LONGITUDE 80° 45' 15"
 DATE: JUNE 11, 2003
 SCALE: 1" = 2000'
 SHEET 2 of 28



SHIPYARD CANAL DREDGING

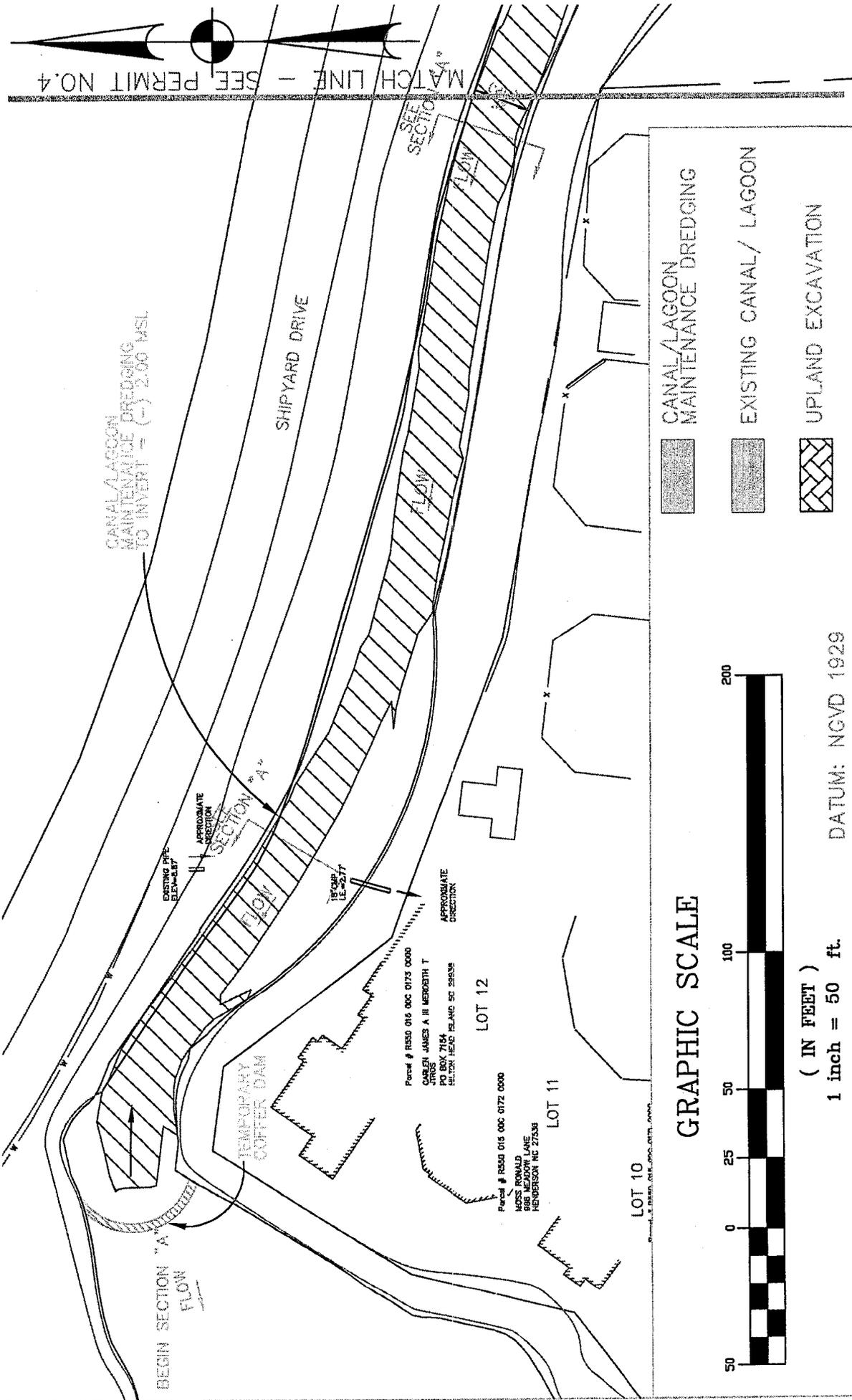
INDEX MAP
 HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 SOURCE: THOMAS & HUTTON ENGINEERING CO.

2003-1W-337-P

DATE: JUNE 11, 2003
 SCALE: 1" = 800'
 SHEET 2A of 28

PROPOSED ACTIVITY:
**CANAL DREDGING, BULKHEAD
 REPLACEMENT**

COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



CANAL/LAGOON MAINTENANCE DREDGING TO INVERT = (-) 2.00 MSL

SHIPYARD DRIVE

BEGIN SECTION "A" FLOW

TEMPORARY COFFER DAM

Parcel # R350 016 000 0173 0000
CARLEN JAMES A III MERRIETH T
PO BOX 7184
HILTON HEAD ISLAND SC 29926

LOT 12

Parcel # R350 015 000 0172 0000
MRS PENNAUD
888 LAGOON LANE
HENRIERSON NC 27536

LOT 11

LOT 10

SEE SECTION "A"

CANAL/LAGOON MAINTENANCE DREDGING

EXISTING CANAL/ LAGOON

UPLAND EXCAVATION

GRAPHIC SCALE



(IN FEET)

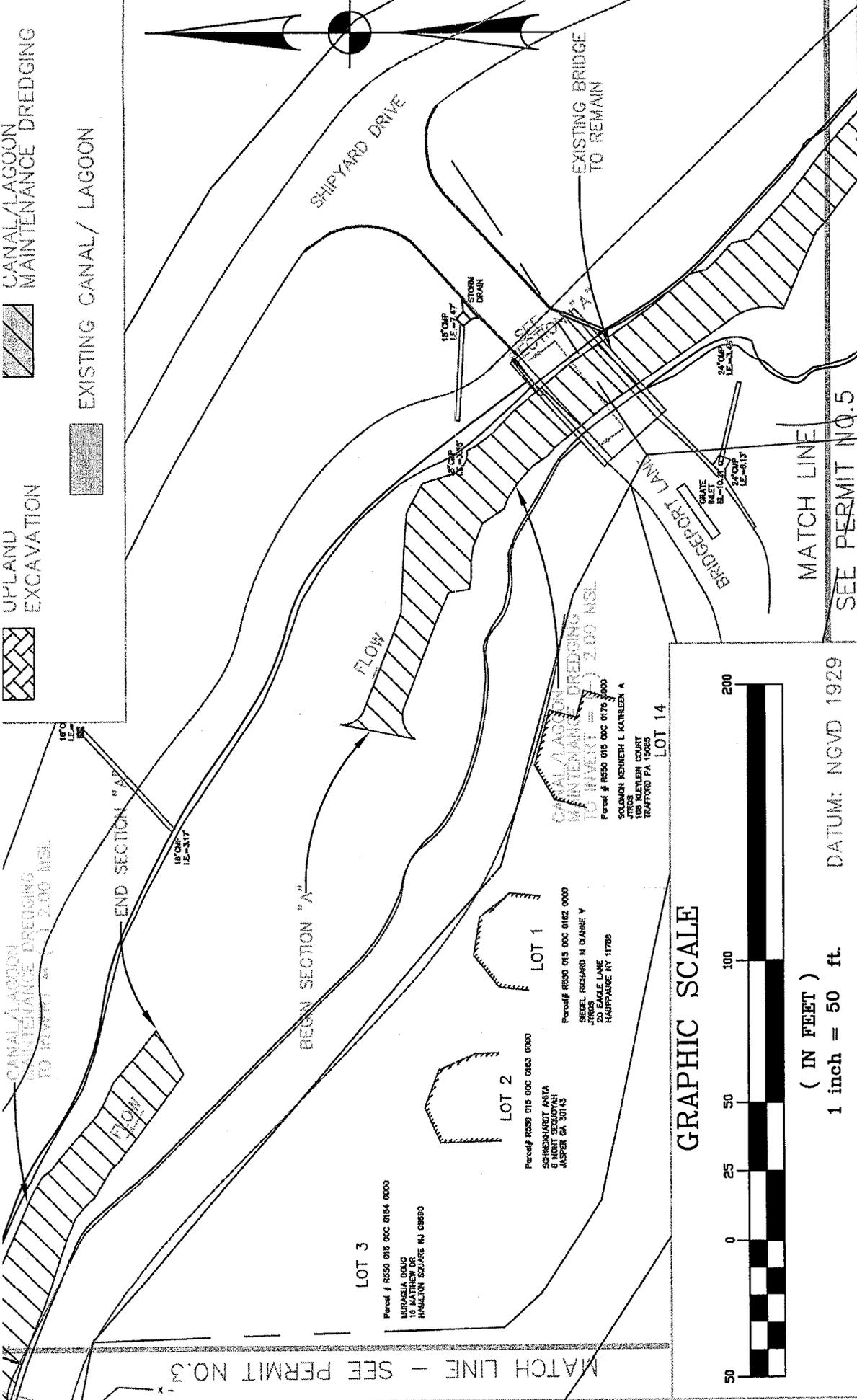
1 inch = 50 ft.

DATUM: NGVD 1929

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA
DATE: JUNE 11, 2003
SCALE: 1" = 50'
SHEET 3 of 28
SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD REPLACEMENT
COUNTY:
BEAUFORT COUNTY, S. CAROLINA
APPLICANT:
TOWN OF HILTON HEAD ISLAND



UPLAND EXCAVATION

CANAL/LAGOON MAINTENANCE DREDGING

EXISTING CANAL / LAGOON

GRAPHIC SCALE

(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD REPLACEMENT

COUNTY:
BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
TOWN OF HILTON HEAD ISLAND

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA

DATE: JUNE 11, 2003
SCALE: 1" = 50'

SHEET 4 OF 28

SOURCE: TOWN OF HILTON HEAD ISLAND

MATCH LINE - SEE PERMIT NO.3

MATCH LINE
SEE PERMIT NO.5

CANAL/LAGOON MAINTENANCE DREDGING TO INVERT = 2.00 MSL

Permit # R550 015 000 0179 0000

SOLON KENNETH L KATHELA A
105 KLEINER COURT
TRAFFORD PA 15085

Permit# R550 015 000 0162 0000

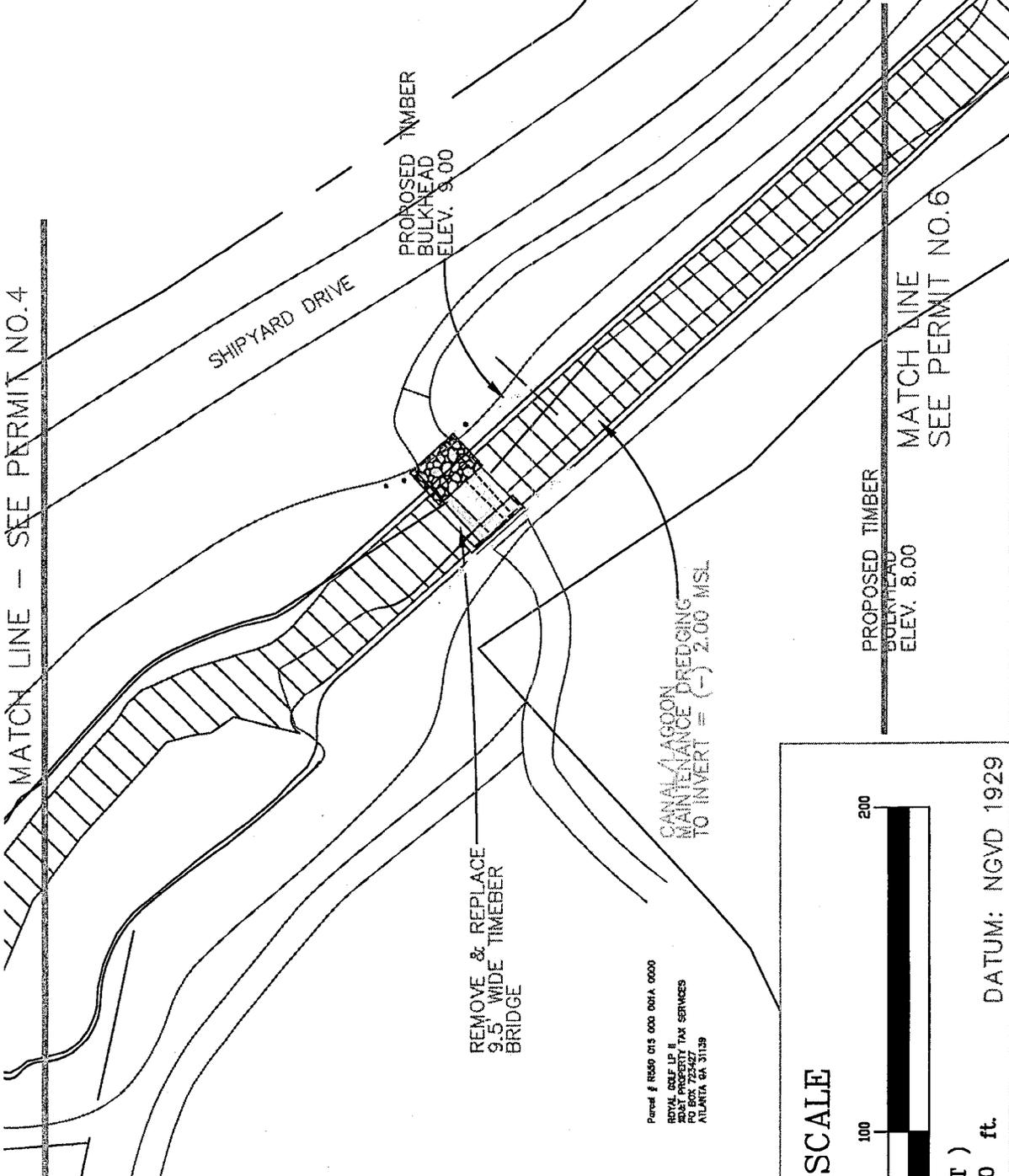
SEDEL RICHARD M DIANNE Y
JURGENS LANE
KAUAPUAE HI 11785

Permit# R550 015 000 0163 0000

SCHREIBERT ANITA
1000 WILSON BLVD
JASPER GA 30143

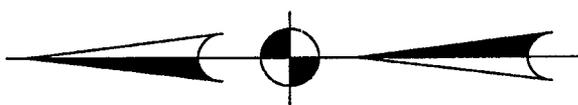
Permit # R550 015 000 0164 0000

MIRAGLIA DOUG
16 MATTHEW DR
HAMILTON SQUARE NJ 08690



Legend:

- CANAL/LAGOON MAINTENANCE DREDGING
- EXISTING CANAL/ LAGOON
- UPLAND EXCAVATION



Parcel # R150 015 000 004A 0000
 ROYAL GOLF LP II
 204ST PROPERTY TAX SERVICES
 PO BOX 725427
 ATLANTA GA 31129

GRAPHIC SCALE
 (IN FEET)
 1 inch = 50 ft. DATUM: NGVD 1929

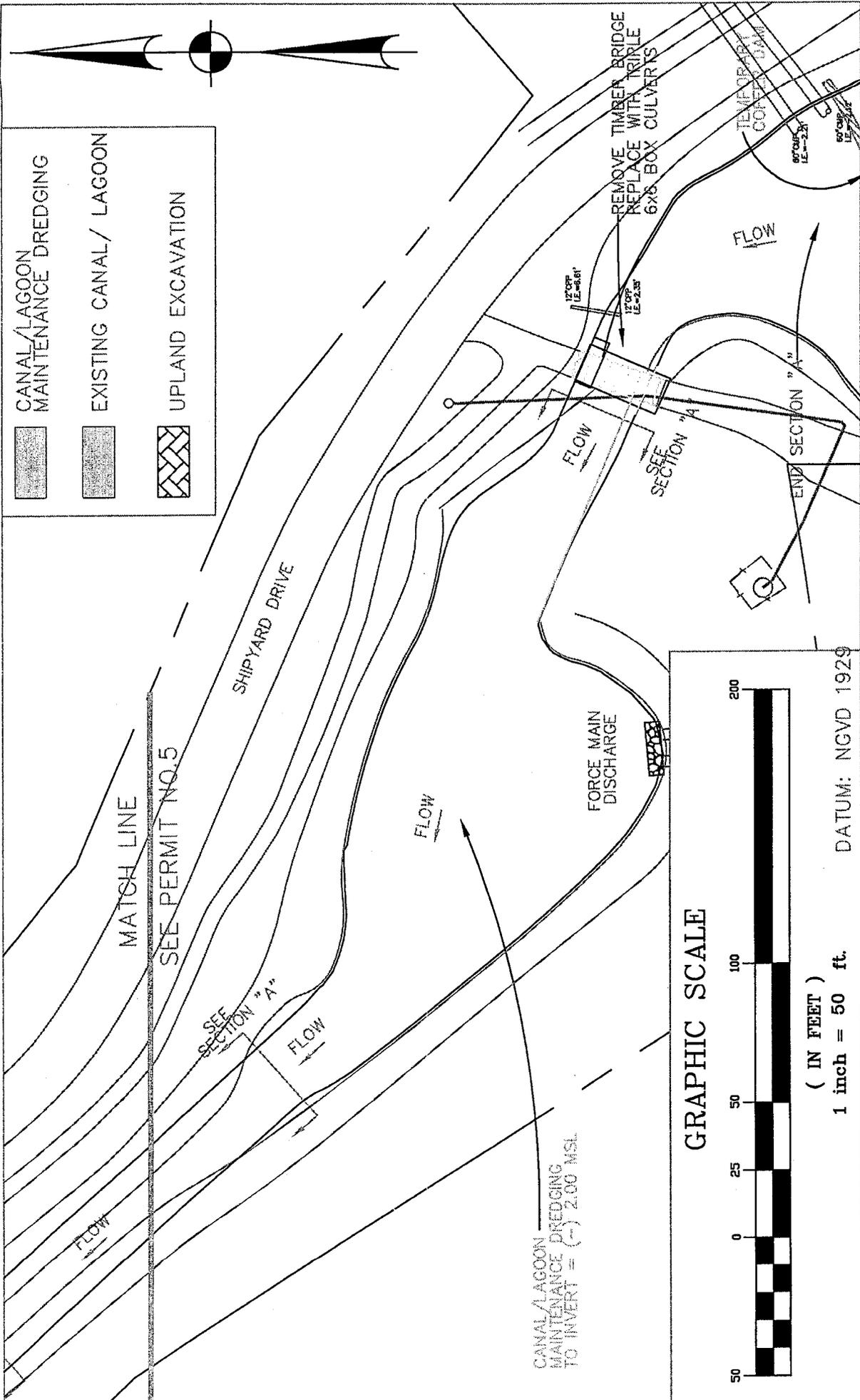
SHIPYARD CANAL DREDGING 2003-1W-337-P
 HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 5 *of 28*
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
APPLICANT:
 TOWN OF HILTON HEAD ISLAND

CANAL/LAGOON MAINTENANCE DREDGING

EXISTING CANAL/LAGOON

UPLAND EXCAVATION



GRAPHIC SCALE

(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 6 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT

COUNTY:
 BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
 TOWN OF HILTON HEAD ISLAND

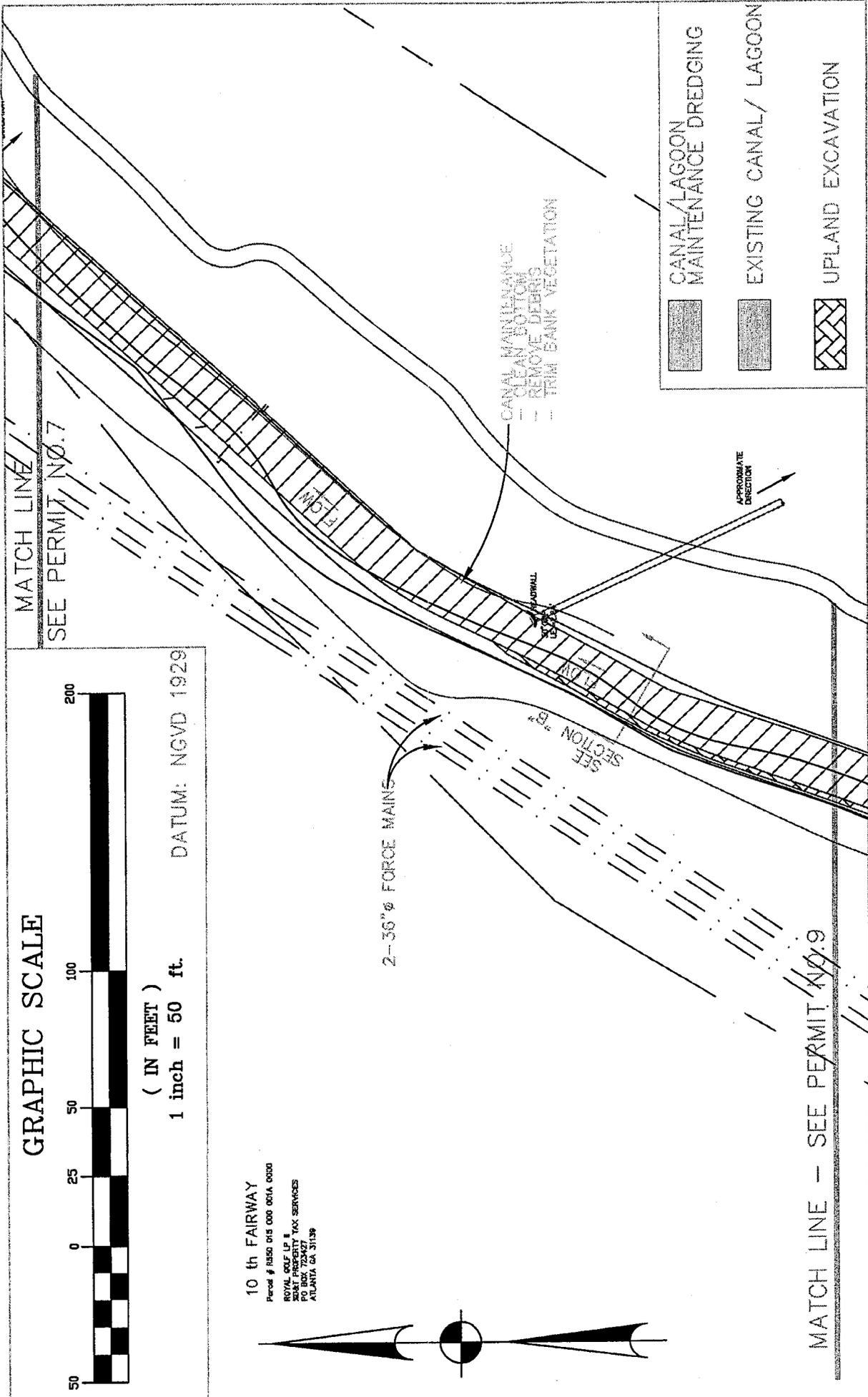
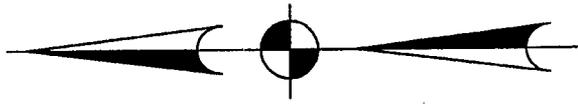
GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

DATUM: NGVD 1929

10 th FAIRWAY
 Parcel # R850 015 000 001A 0000
 ROYAL GOLF LP II
 2047 PROPERTY TAX SERVICES
 PO BOX 72427
 ATLANTA GA 31139



	CANAL/LAGOON MAINTENANCE DREDGING
	EXISTING CANAL/ LAGOON
	UPLAND EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-8

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 8 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

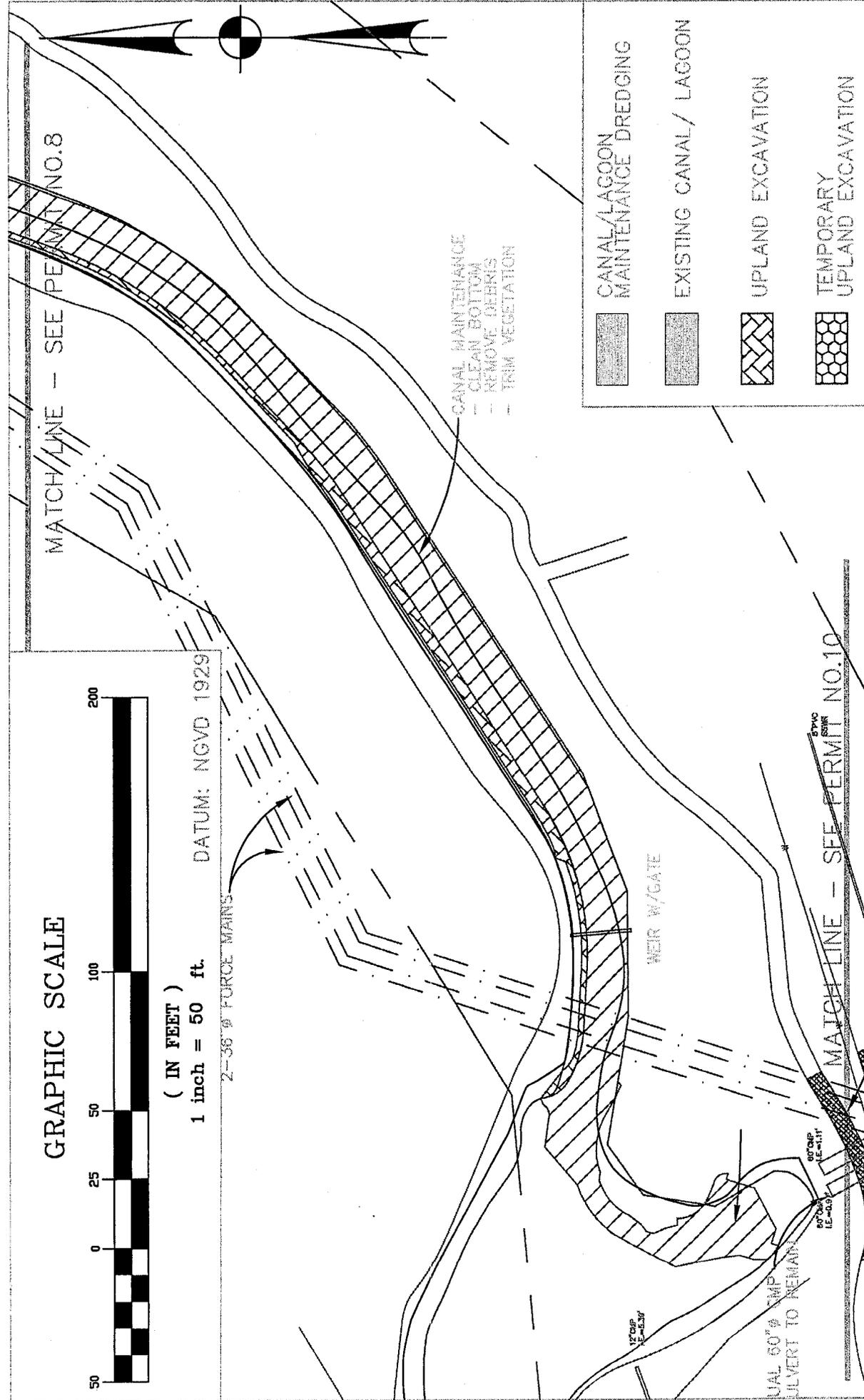
DATUM: NGVD 1929

2-36" FORCE MAINS

MATCH/LINE - SEE PERMIT NO.8

CANAL MAINTENANCE
 - CLEAN BOTTOM
 - REMOVE DEBRIS
 - TRIM VEGETATION

-  CANAL/LAGOON MAINTENANCE DREDGING
-  EXISTING CANAL/ LAGOON
-  UPLAND EXCAVATION
-  TEMPORARY UPLAND EXCAVATION

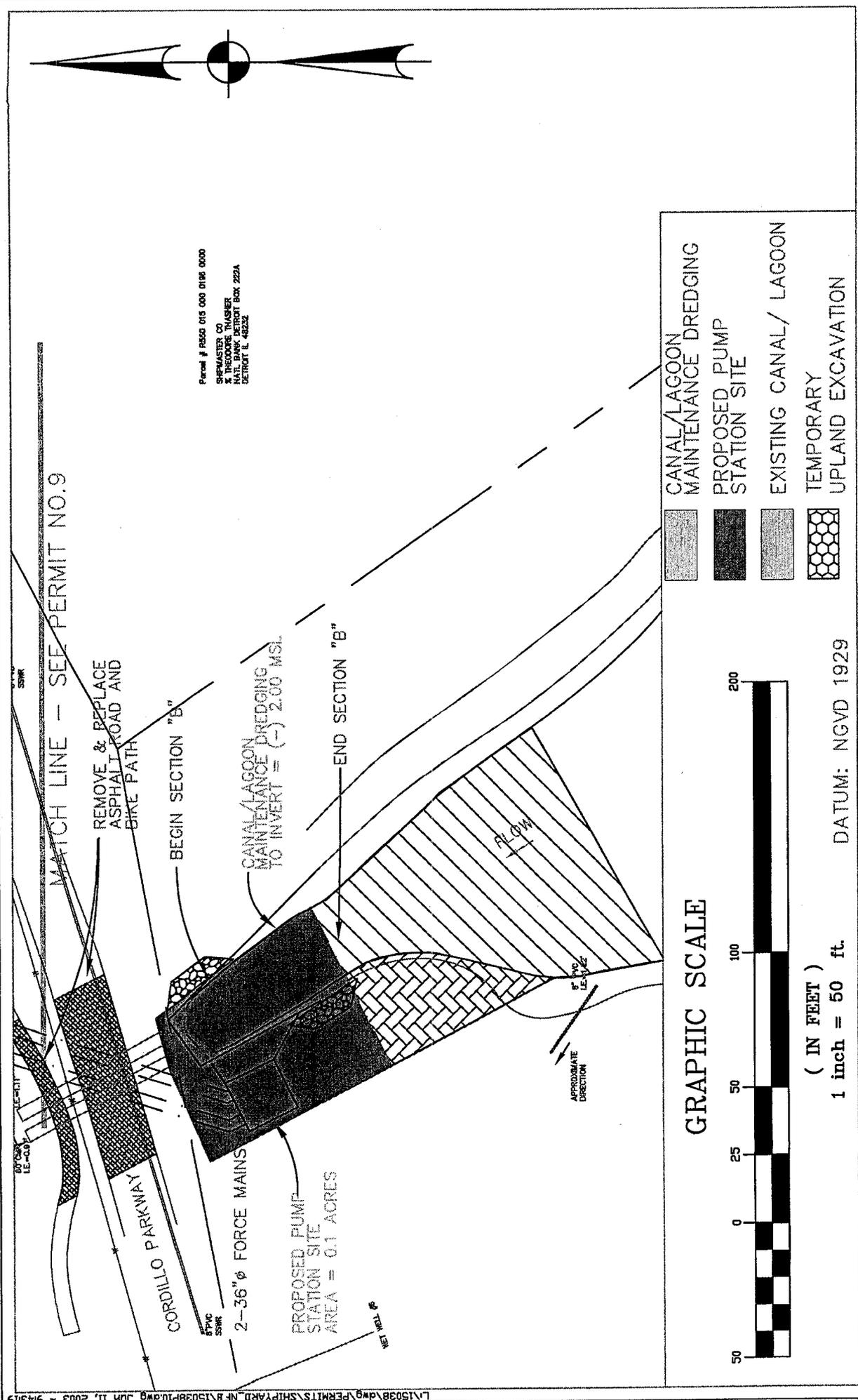


MATCH/LINE - SEE PERMIT NO.10

SHIPYARD CANAL DREDGING 2003-1W-337-0 P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 9 OF 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



Parcel # 0350 015 000 0126 0000
 SUPERVISOR OF
 PUBLIC WORKS
 WATER BUREAU
 1401 BANK DETROIT BOX 222A
 DETROIT MI 48222

-  CANAL/LAGOON MAINTENANCE DREDGING
-  PROPOSED PUMP STATION SITE
-  EXISTING CANAL/ LAGOON
-  TEMPORARY UPLAND EXCAVATION

GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

SHIPYARD CANAL DREDGING 2003-10-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 10 OF 28
 SOURCE: TOWN OF HITLON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

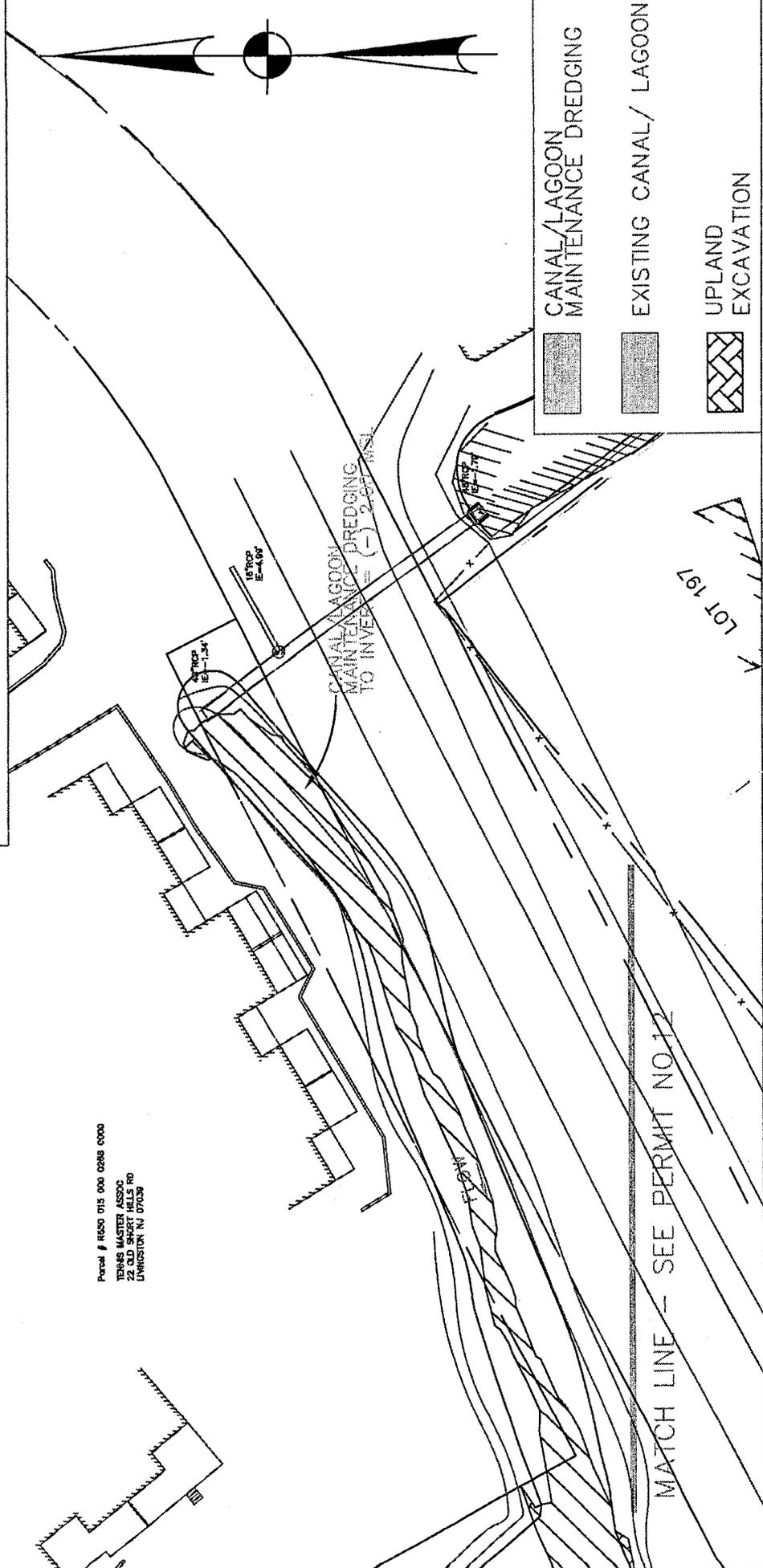
GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

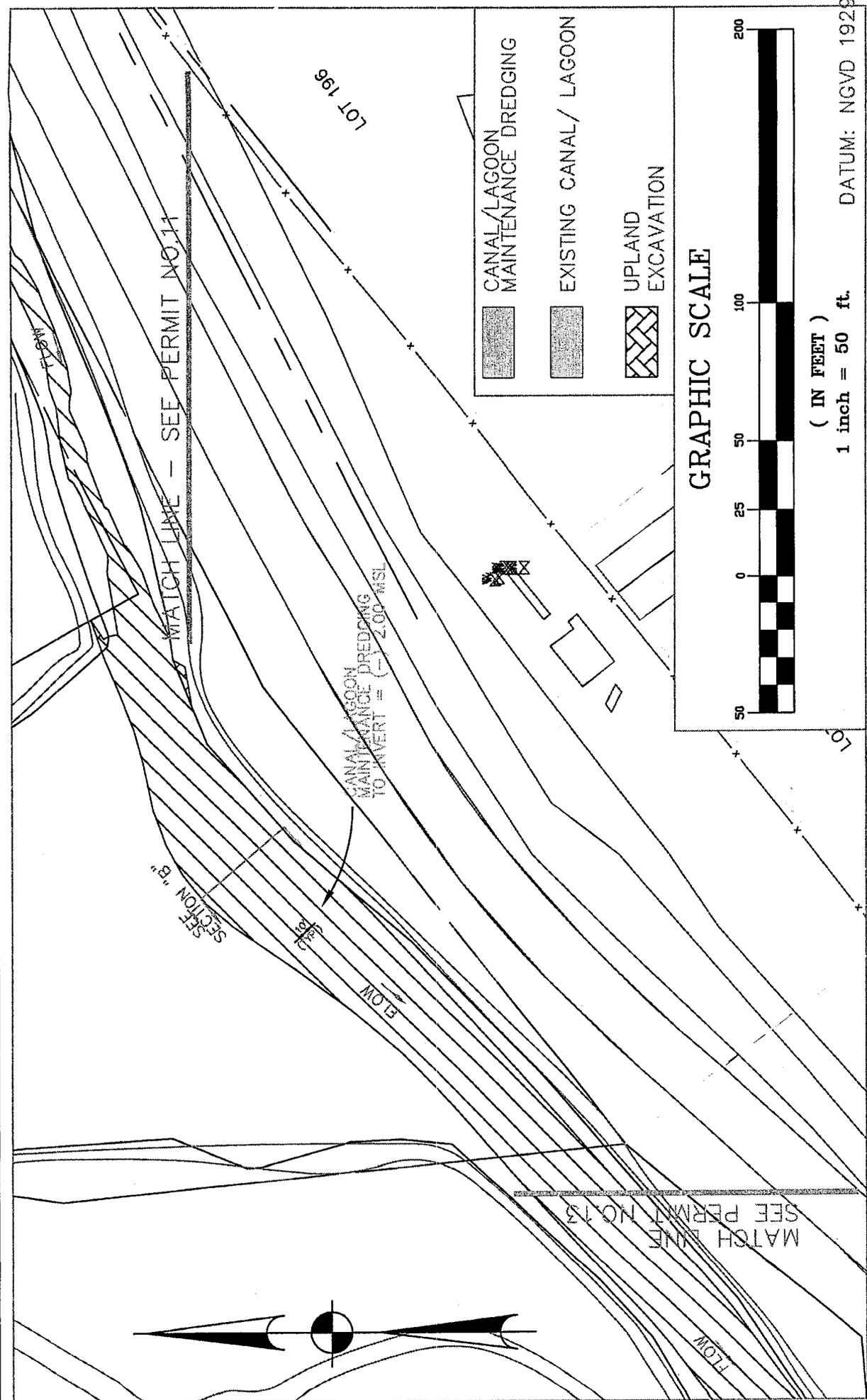


Parcel # R650 015 000 0288 0000
 TOWNS MASTER ASSES.
 HILTON HEAD ISLAND
 LANSINGTON NJ 07038

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 11 of 26
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 12 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

GRAPHIC SCALE

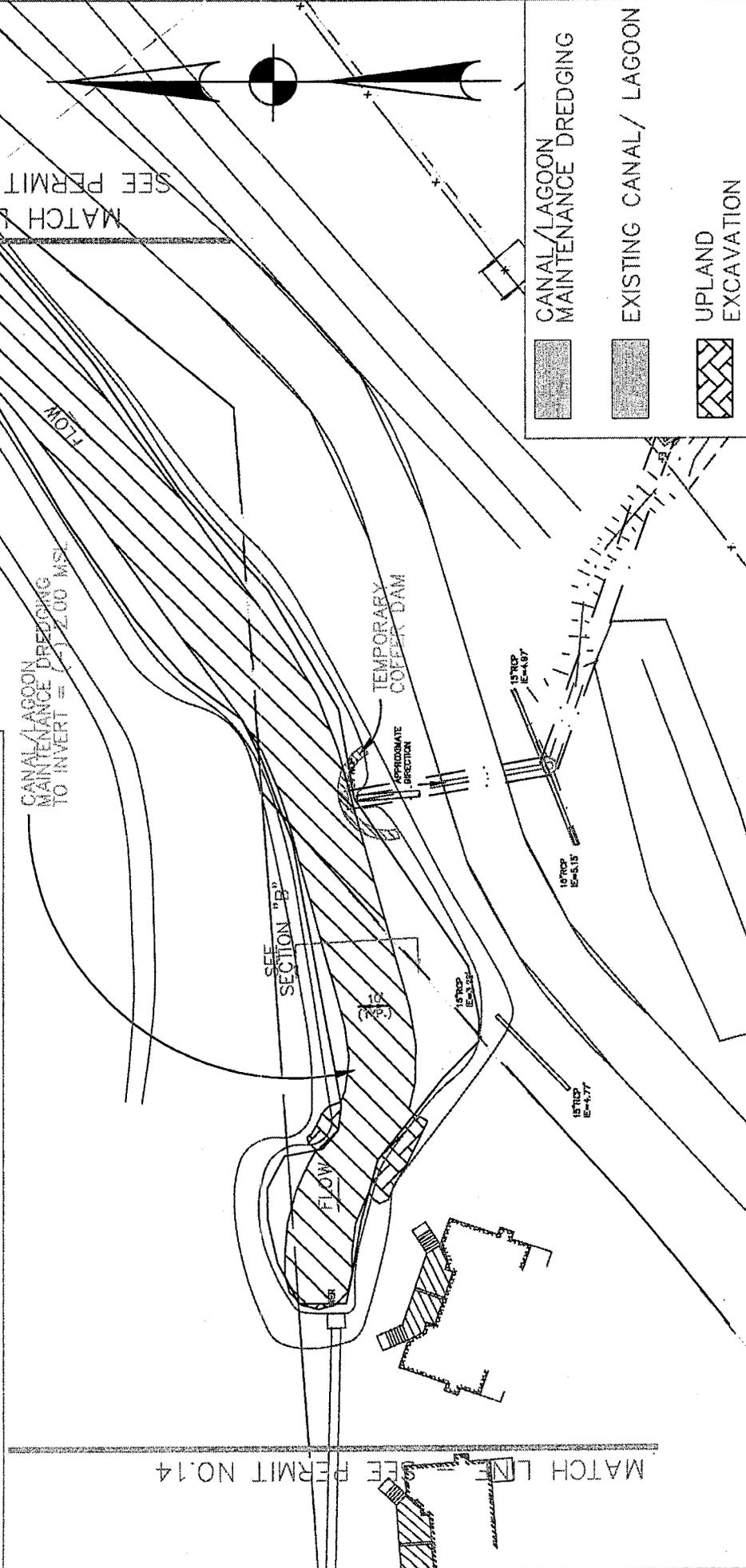


(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

CANAL/LAGOON
MAINTENANCE DREDGING
TO INVERT = (-1)2.00 MSL



-  CANAL/LAGOON MAINTENANCE DREDGING
-  EXISTING CANAL/ LAGOON
-  UPLAND EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 13 of 26
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

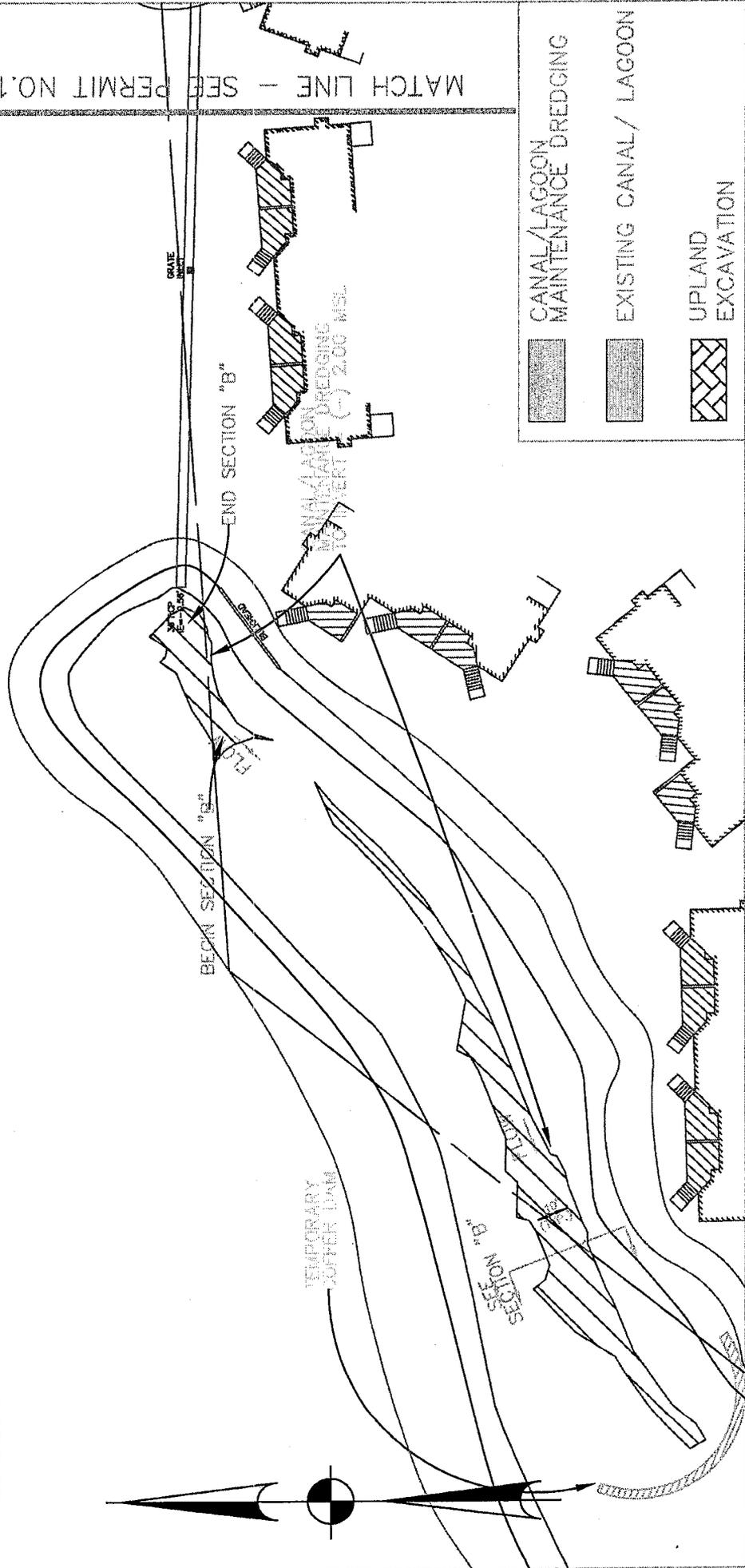
GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929



MATCH LINE - SEE PERMIT NO.13

	CANAL / LAGOON MAINTENANCE DREDGING
	EXISTING CANAL / LAGOON
	UPLAND EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

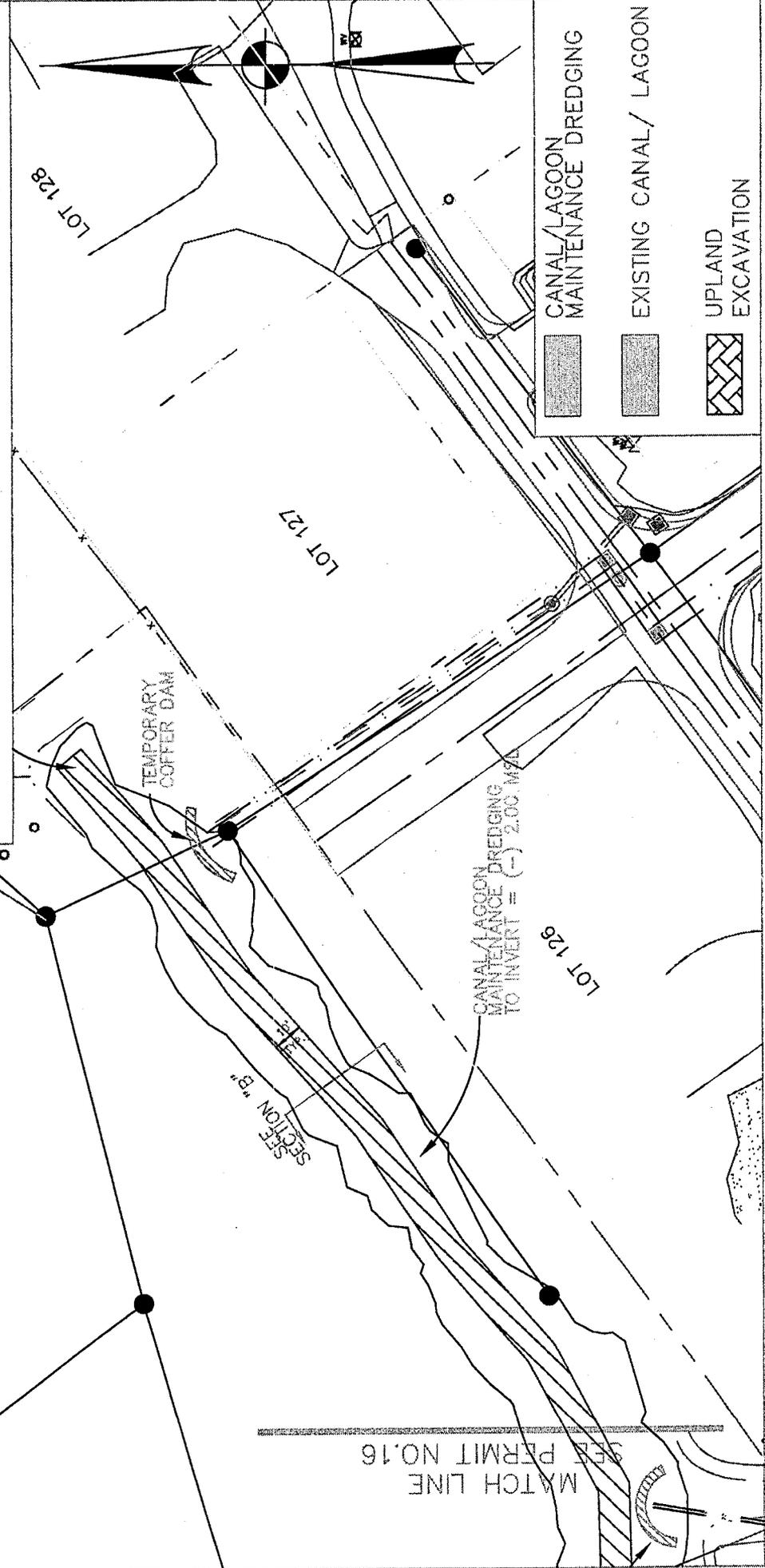
HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 14 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

GRAPHIC SCALE



DATUM: NGVD 1929

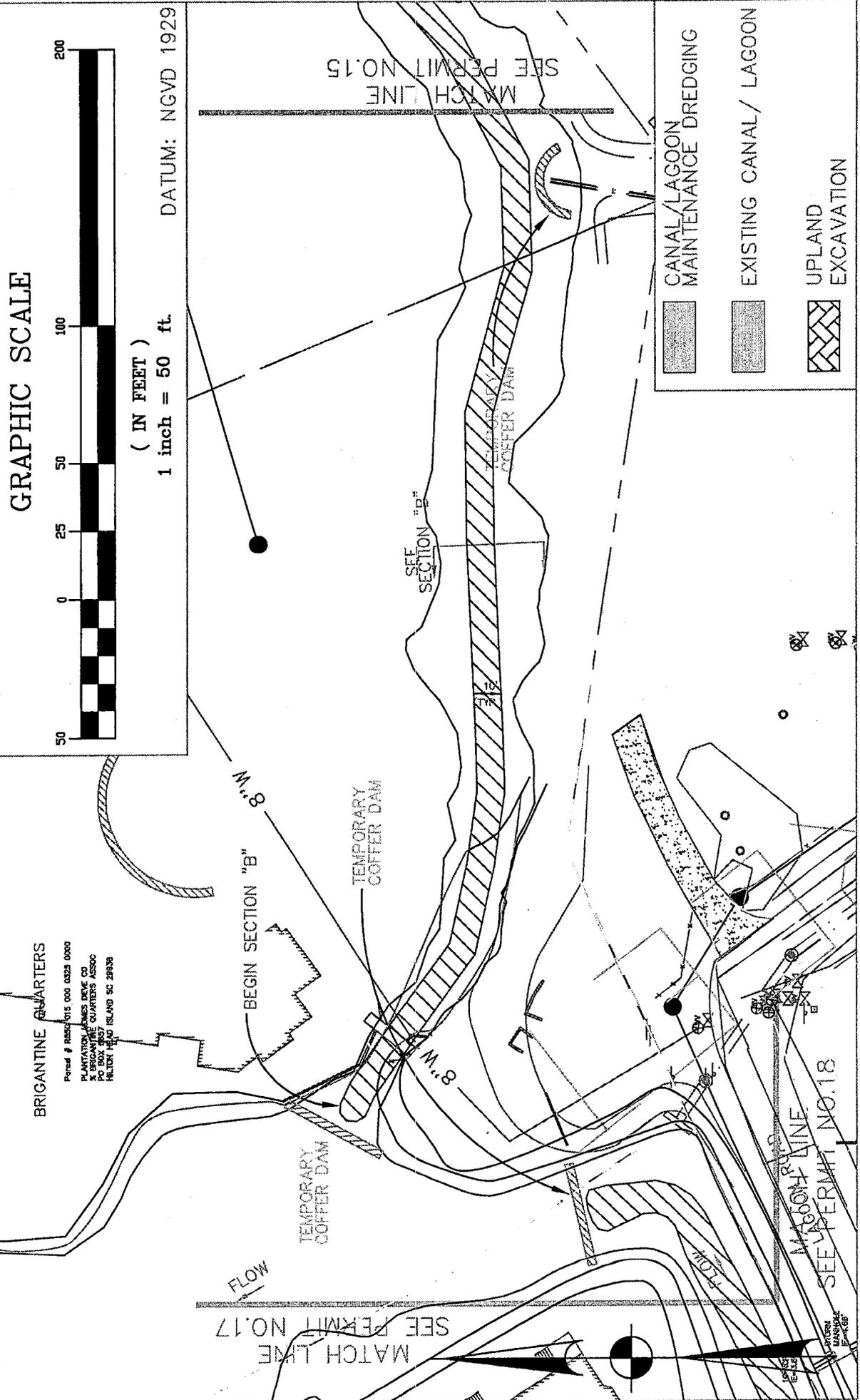


	CANAL/LAGOON MAINTENANCE DREDGING
	EXISTING CANAL/ LAGOON
	UPLAND EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 15 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



SHIPYARD CANAL DREDGING 2003-10-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 16 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

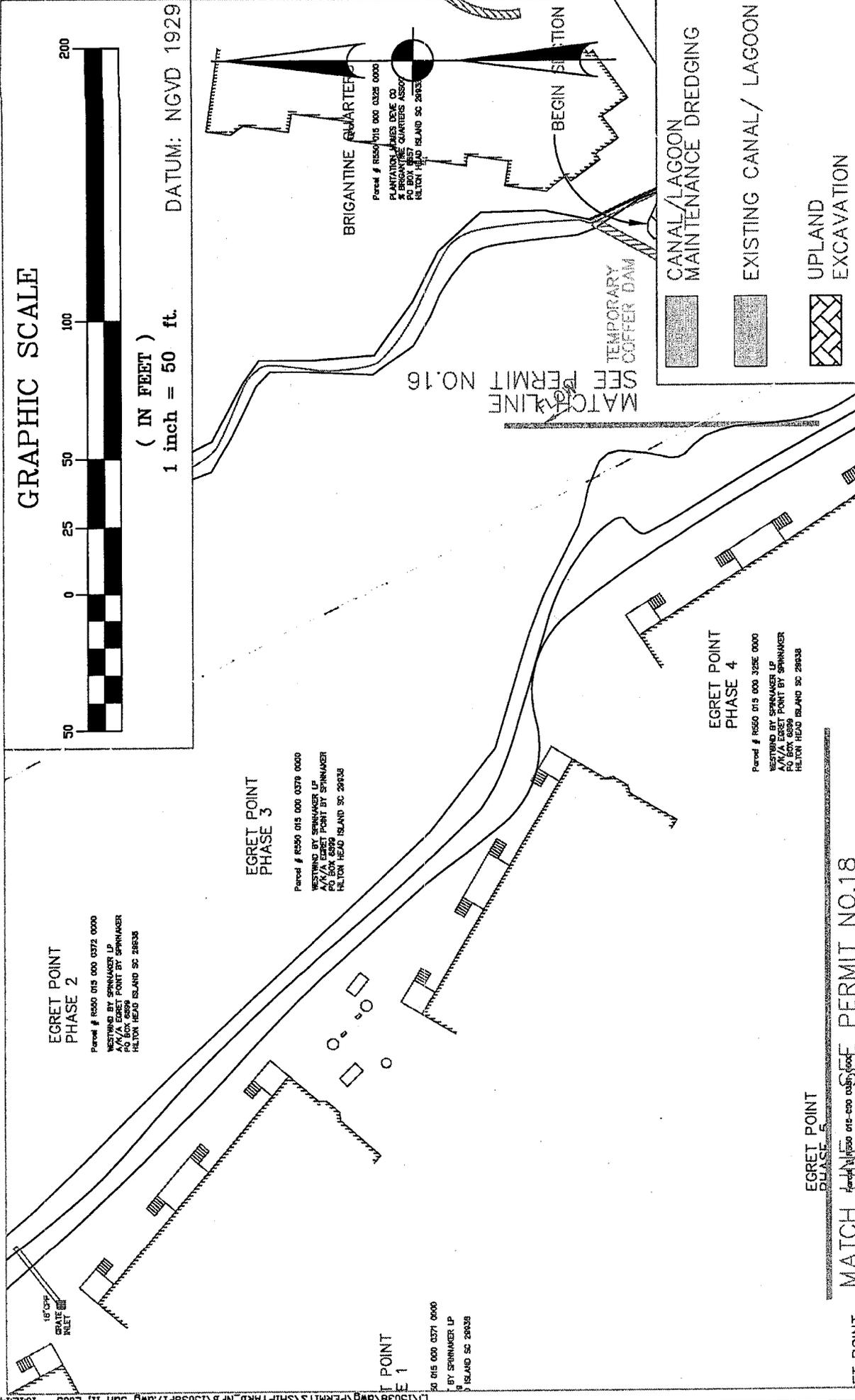
GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929



LEGEND

- CANAL/LAGOON MAINTENANCE DREDGING
- EXISTING CANAL/ LAGOON
- UPLAND EXCAVATION

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD REPLACEMENT

COUNTY:
BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
TOWN OF HILTON HEAD ISLAND

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA

DATE: JUNE 11, 2003
SCALE: 1" = 50'
SHEET 17 of 20

SOURCE: TOWN OF HILTON HEAD ISLAND

MATCH EGRET POINT/SEE PERMIT NO.17

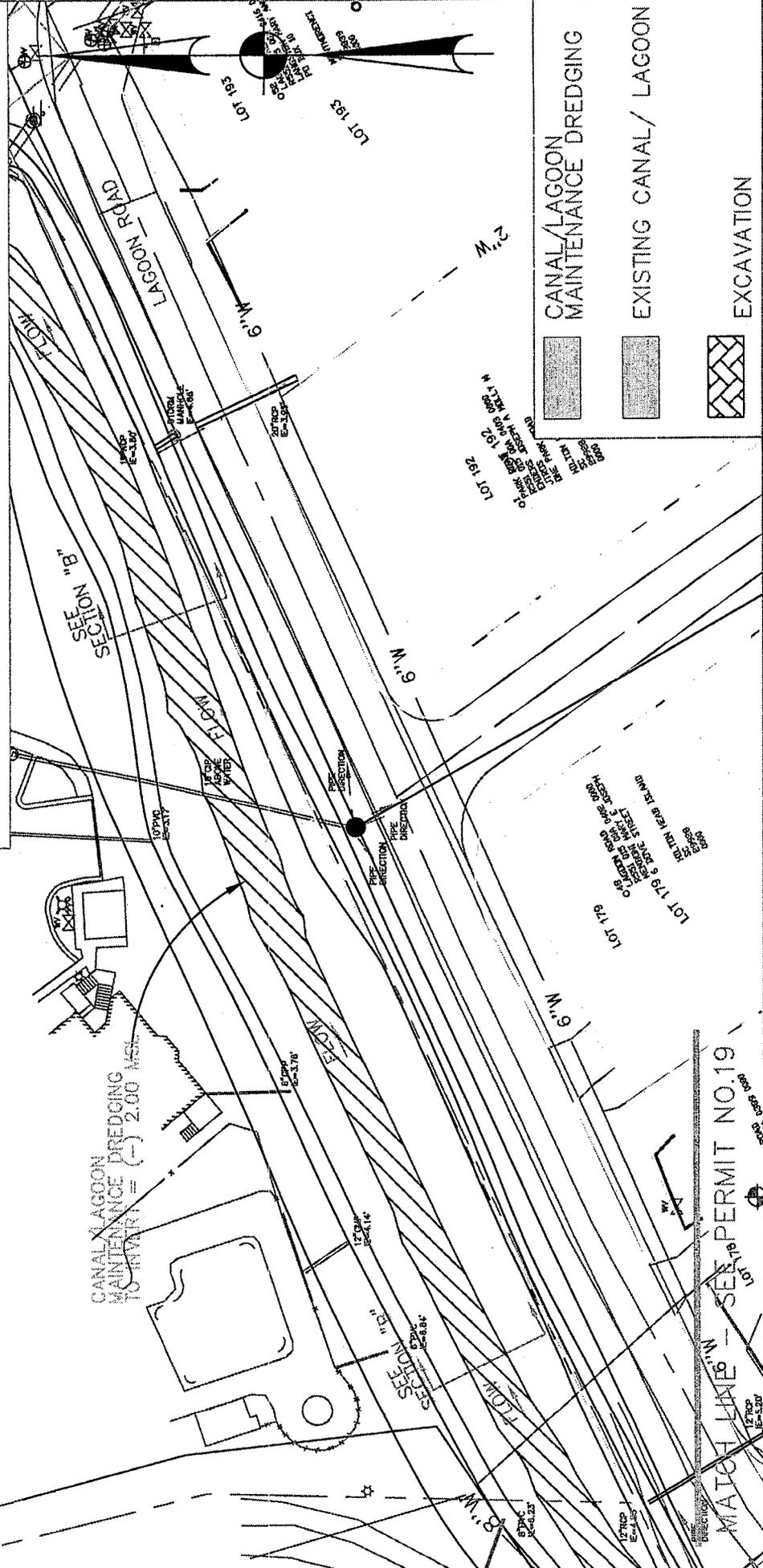
Parcel # R250 015 000 0351 0000
 DESIGNED BY SPANGLER LP
 4475 W. EGRET POINT BY SPANGLER LP
 PO BOX 48599
 HILTON HEAD ISLAND SC 29928

Parcel # R250 015 000 0352 0000
 DESIGNED BY SPANGLER LP
 4475 W. EGRET POINT BY SPANGLER LP
 PO BOX 48599
 HILTON HEAD ISLAND SC 29928

GRAPHIC SCALE



DATUM: NGVD 1929



	CANAL/LAGOON MAINTENANCE DREDGING
	EXISTING CANAL/ LAGOON
	EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 18 OF 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

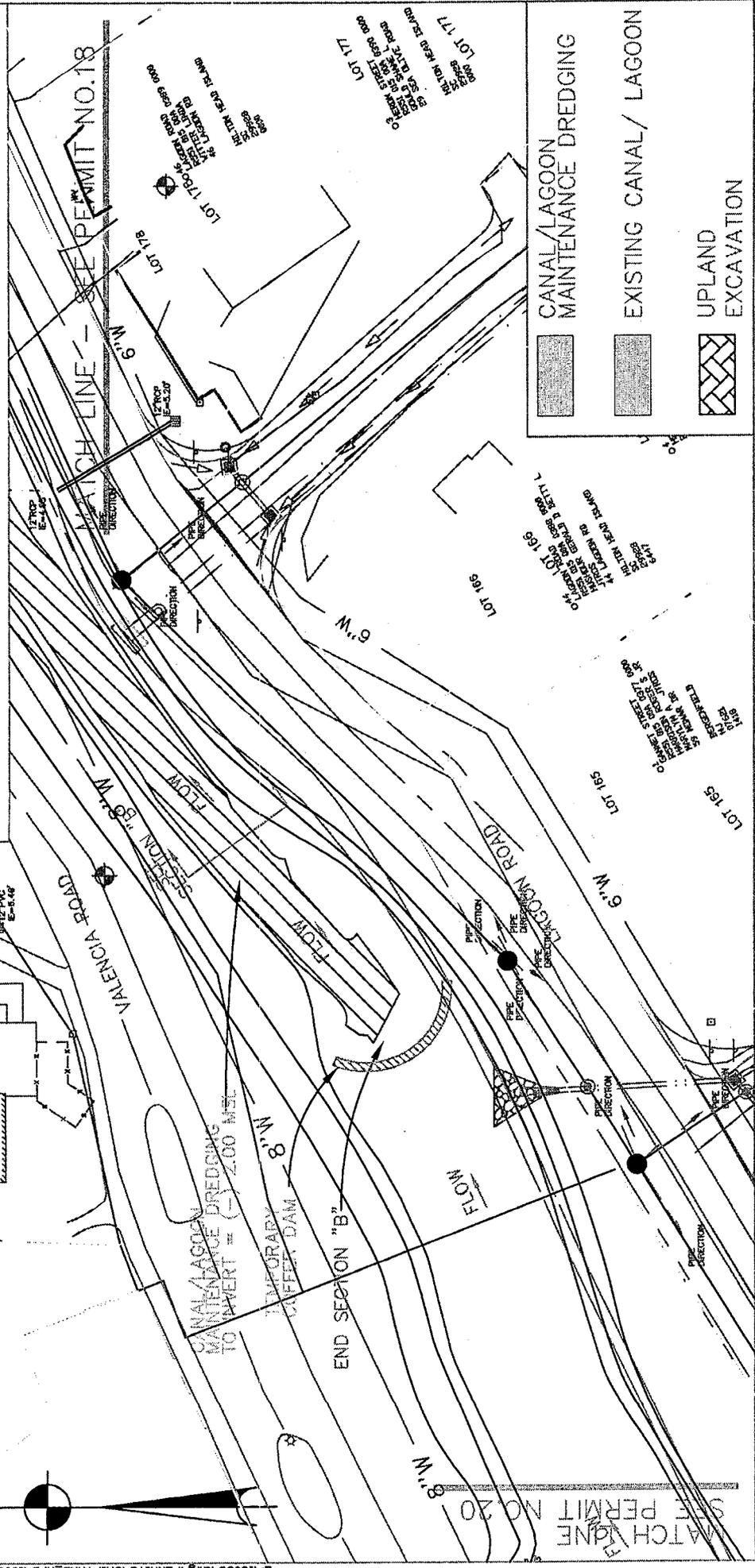
REGULATORY DIVISION OF HILTON HEAD LLC
 1000 WASHINGTON BLVD
 HILTON HEAD ISL. SC 29928

GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

DATUM: NGVD 1929



	CANAL/LAGOON MAINTENANCE DREDGING
	EXISTING CANAL / LAGOON
	UPLAND EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA

DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 19 of 20
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT

COUNTY:
 BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
 TOWN OF HILTON HEAD ISLAND

GRAPHIC SCALE



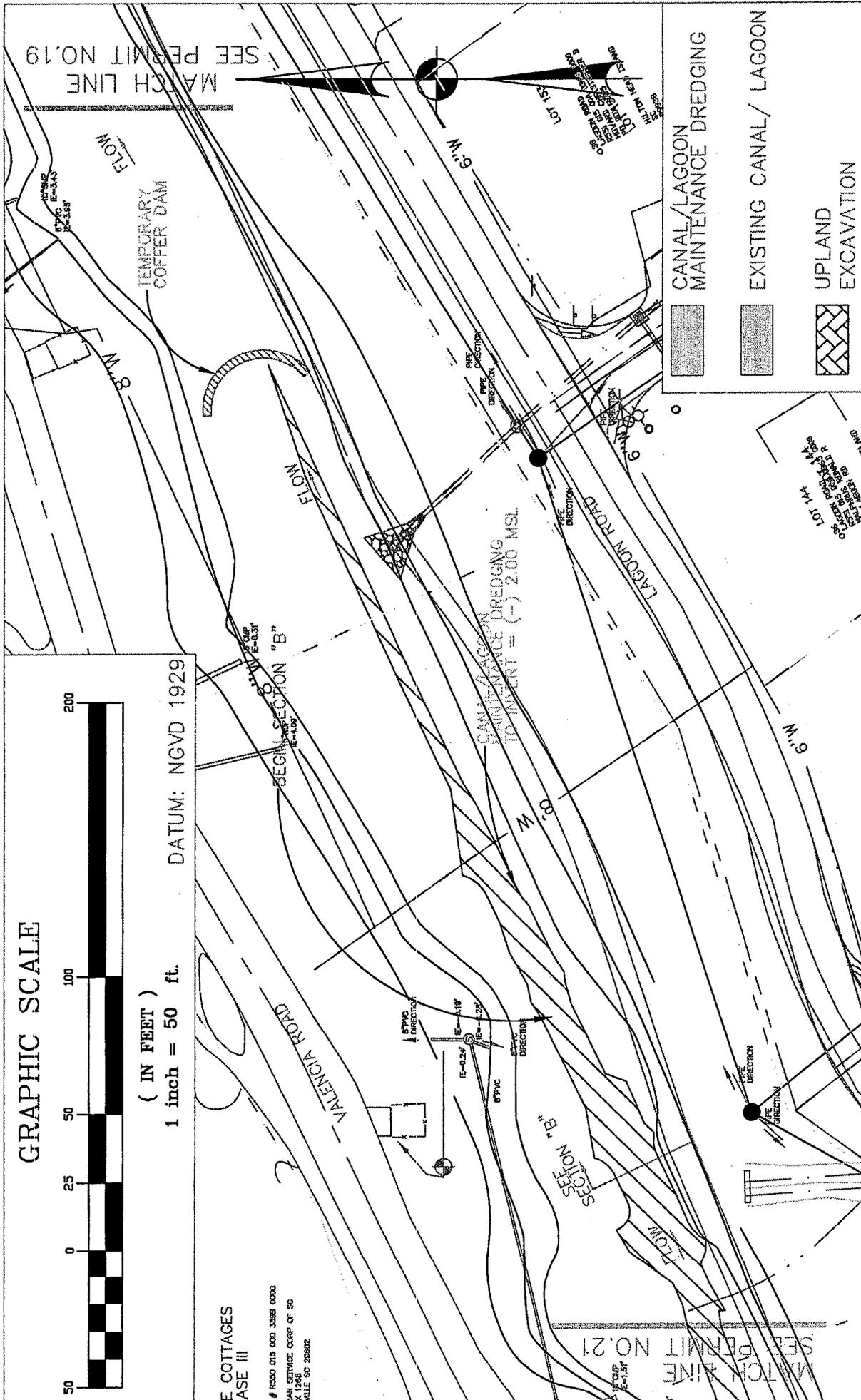
(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929

E. COTTAGES
BASE III

1350 012 000 3388 0000
CAN SERVICE CORP OF SC
1000 W. STATE ST.
WALLE SC 29802



SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA
DATE: JUNE 11, 2003
SCALE: 1" = 50'
SHEET 20 of 28
SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD
REPLACEMENT
COUNTY:
BEAUFORT COUNTY, S. CAROLINA
APPLICANT:
TOWN OF HILTON HEAD ISLAND

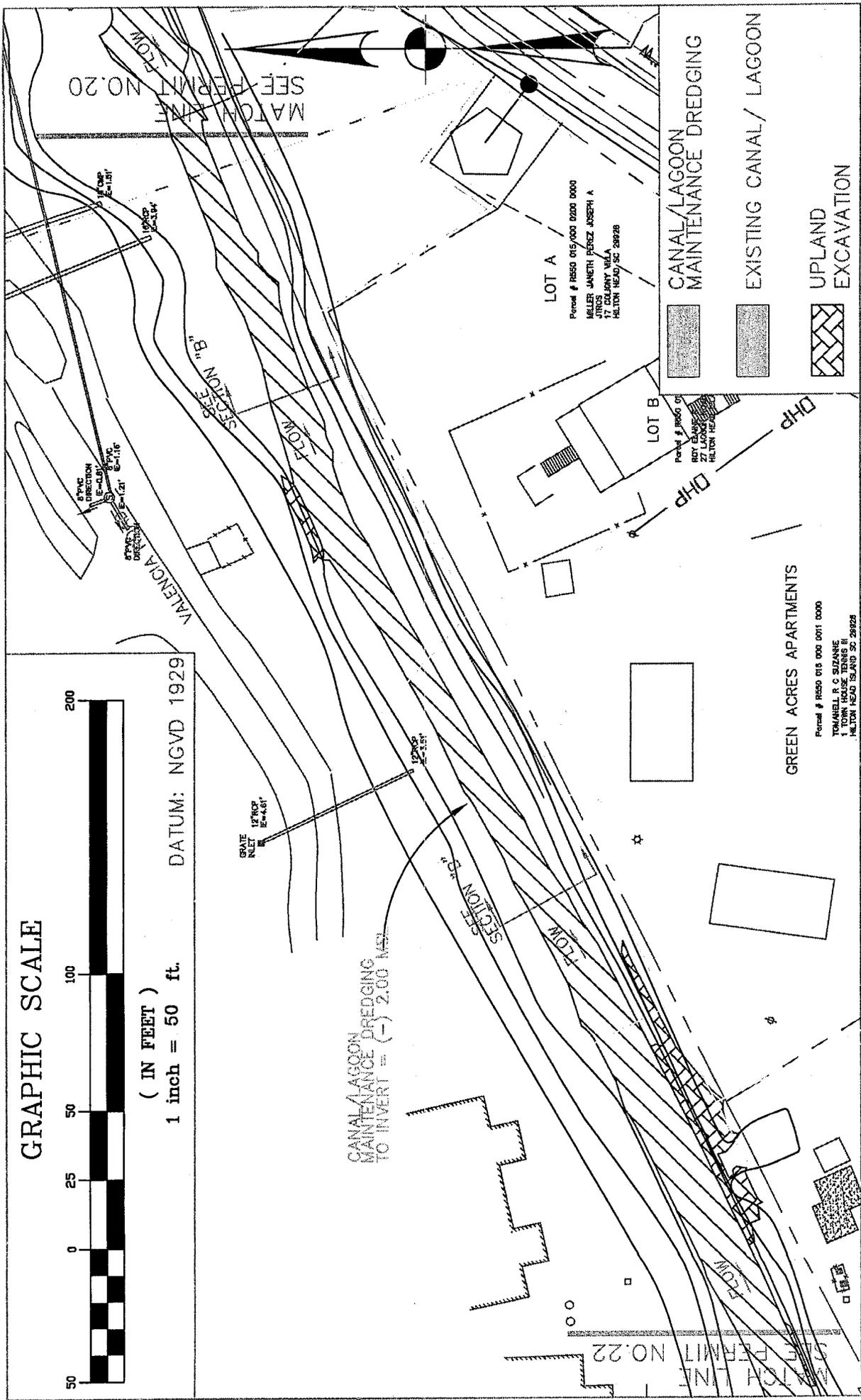
GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

DATUM: NGVD 1929



CANAL/LAGOON
MAINTENANCE DREDGING

EXISTING CANAL/
LAGOON

UPLAND
EXCAVATION

SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA

DATE: JUNE 11, 2003

SCALE: 1" = 50'

SHEET 21 OF 28

SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD
REPLACEMENT

COUNTY:
BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
TOWN OF HILTON HEAD ISLAND

LOT A

Parcel # RESO 015/000 0200 0000
KELLER JANETH PEREZ JOSEPH A
JIMES
17 COLONY WEA
HILTON HEAD, SC 29928

LOT B

Parcel # RESO 01
REY BAUGHMAN
HILTON HEAD

GREEN ACRES APARTMENTS

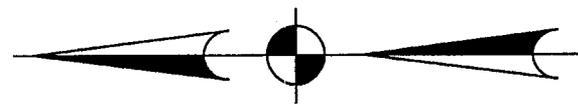
Parcel # RESO 016 000 0011 0000
TOMARRELL R C SUZANNE
1 TOWN HOUSE TERRIS BL
HILTON HEAD ISLAND SC 29928

GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

DATUM: NGVD 1929



LOT 6

RESO 016 000 1036 0000
 HILTON HEAD TIDE SHARING
 5 NORTH FOREST BEACH DRIVE
 PARKERSBURG
 HILTON HEAD ISLAND SC 29926

COLIGNY PLAZA SHOPPING CENTER

RESO 016 000 0186 0000
 MANOTIS VASSILIOS BARBARA J
 PO BOX 6982
 JTIWS

TOWNHOUSE TENNIS III

Parcel # RESO 016 000 0008 0000
 SANDS INVESTMENT
 2001 N KINGS HWY
 RAINBOW HARBOUR SUITE 208
 MYRTLE BEACH SC 29577

CANAL/LAGOON
 MAINTENANCE DREDGING
 TO INVERT = (-) 2.00 M

	CANAL/LAGOON MAINTENANCE DREDGING
	EXISTING CANAL/ LAGOON
	UPLAND EXCAVATION

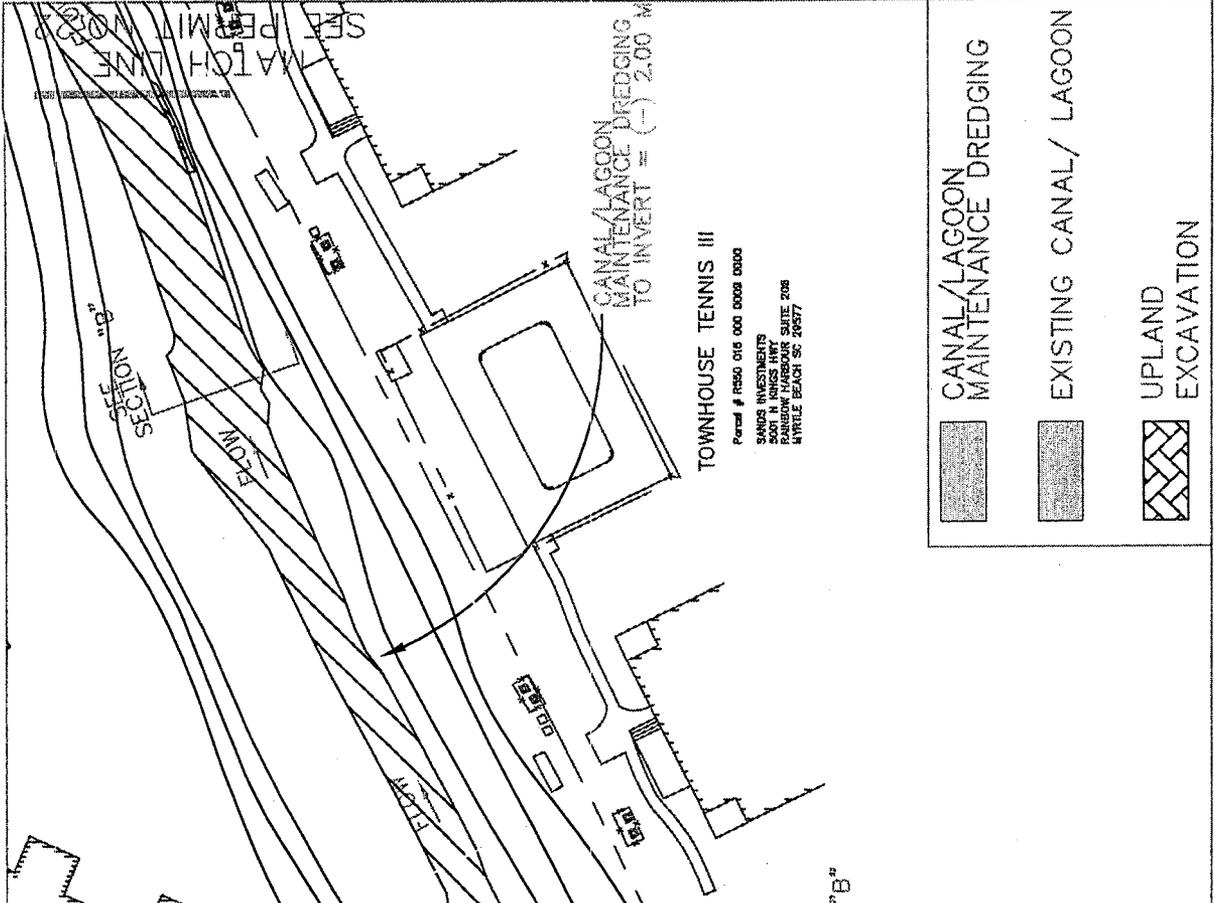
SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: 1" = 50'
 SHEET 22 **of 28**
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD REPLACEMENT

COUNTY:
 BEAUFORT COUNTY, S. CAROLINA

APPLICANT:
 TOWN OF HILTON HEAD ISLAND



SUMMARY QUANTITIES

TOTAL CANAL/LAGOON MAINTENANCE DREDGING 3.00 ACRES; 10,000 C.Y.

UPLAND EXCAVATION 0.50 ACRES; 4,840 C.Y.

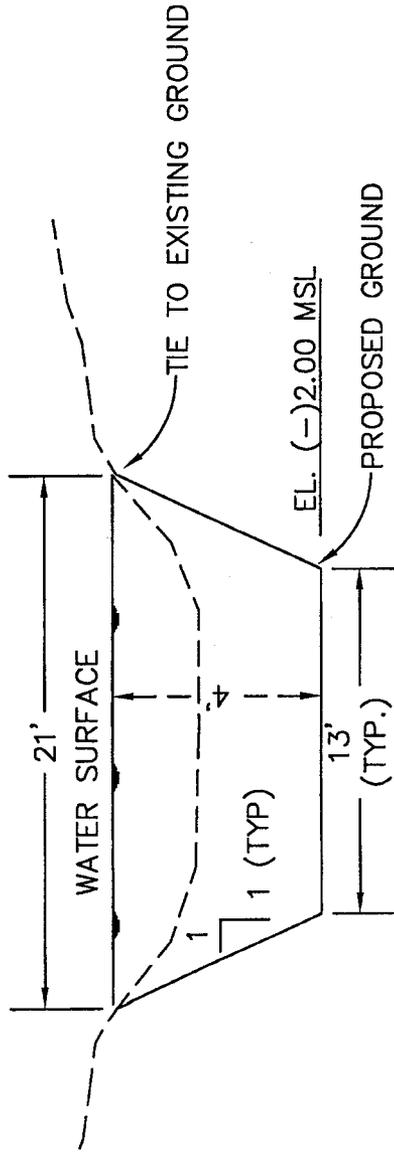
TEMPORARY UPLAND EXCAVATION 0.04 ACRES; 400 C.Y.

TOTAL FILL 0.00 ACRES; 0 C.Y.

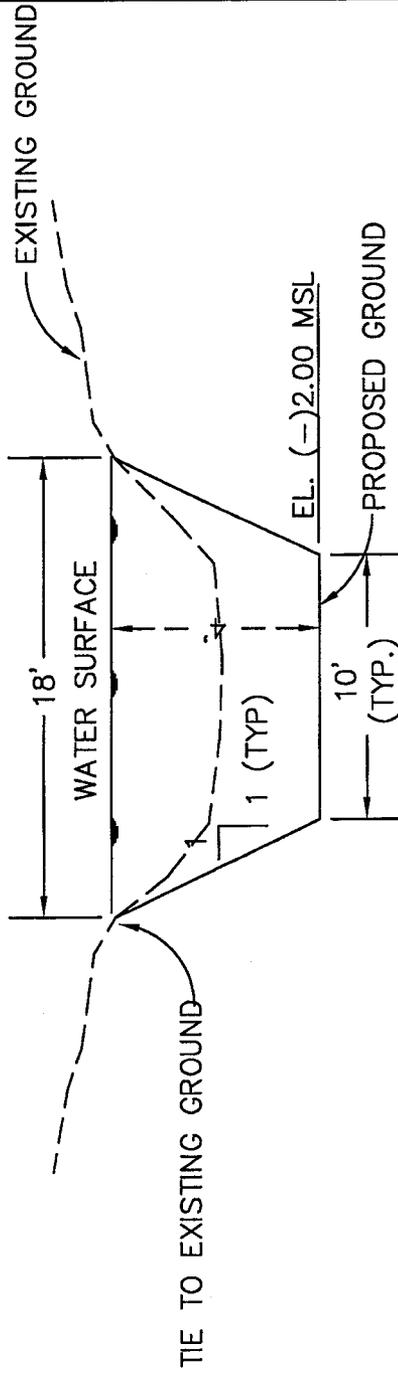
SHIPYARD CANAL DREDGING 2003-1W-337

HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA
DATE: JUNE 11, 2003
SCALE: N.T.S.
SHEET 23 ⁶ 20
SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD
REPLACEMENT
COUNTY:
BEAUFORT COUNTY, S. CAROLINA
APPLICANT:
TOWN OF HILTON HEAD ISLAND



SECTION A



SECTION B

TYPICAL DREDGING SECTIONS

SHIPYARD CANAL DREDGING 2003-1W-337-P

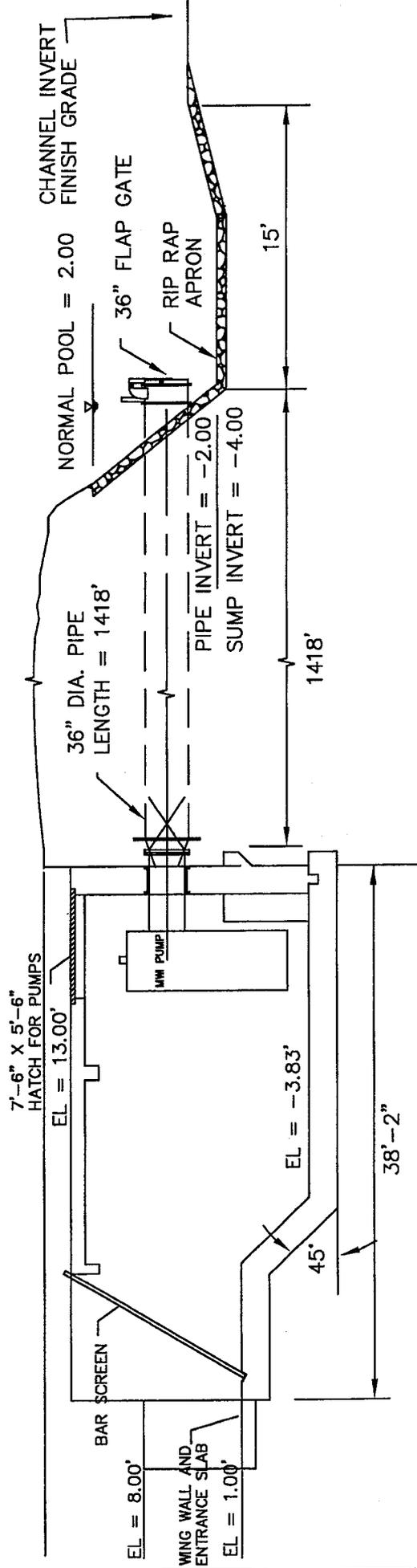
HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: N.T.S.
 SHEET 24 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT

COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

CORDILLO PUMP STATION - PROPOSED ELEVATION VIEW

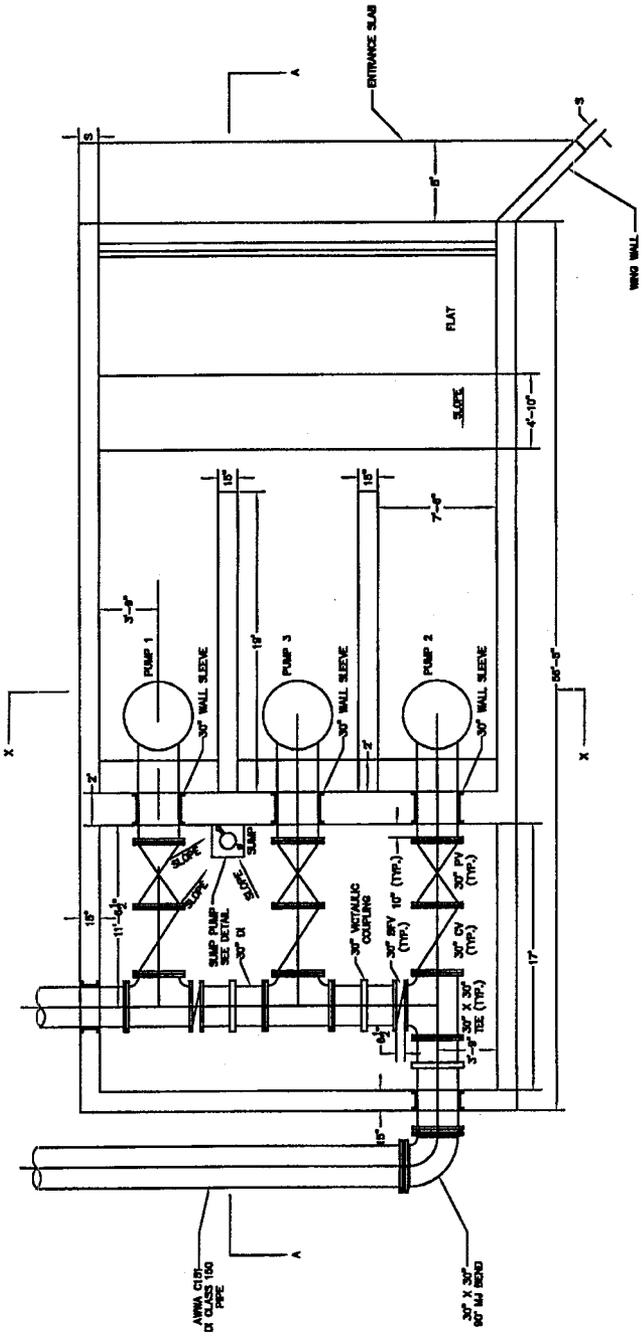
1418' FORCE MAIN
ALONG GOLF COURSE



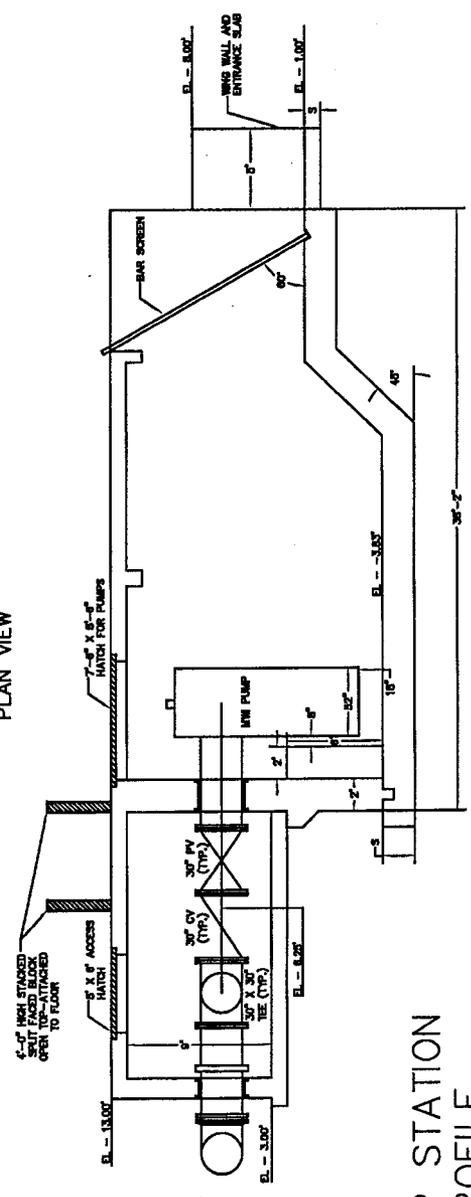
SHIPYARD CANAL DREDGING 2003-1W-337-P

HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: N.T.S.
 SHEET 25 *of 28*
 SOURCE: TOWN OF HILTON HEAD ISLAND

PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND



PLAN VIEW

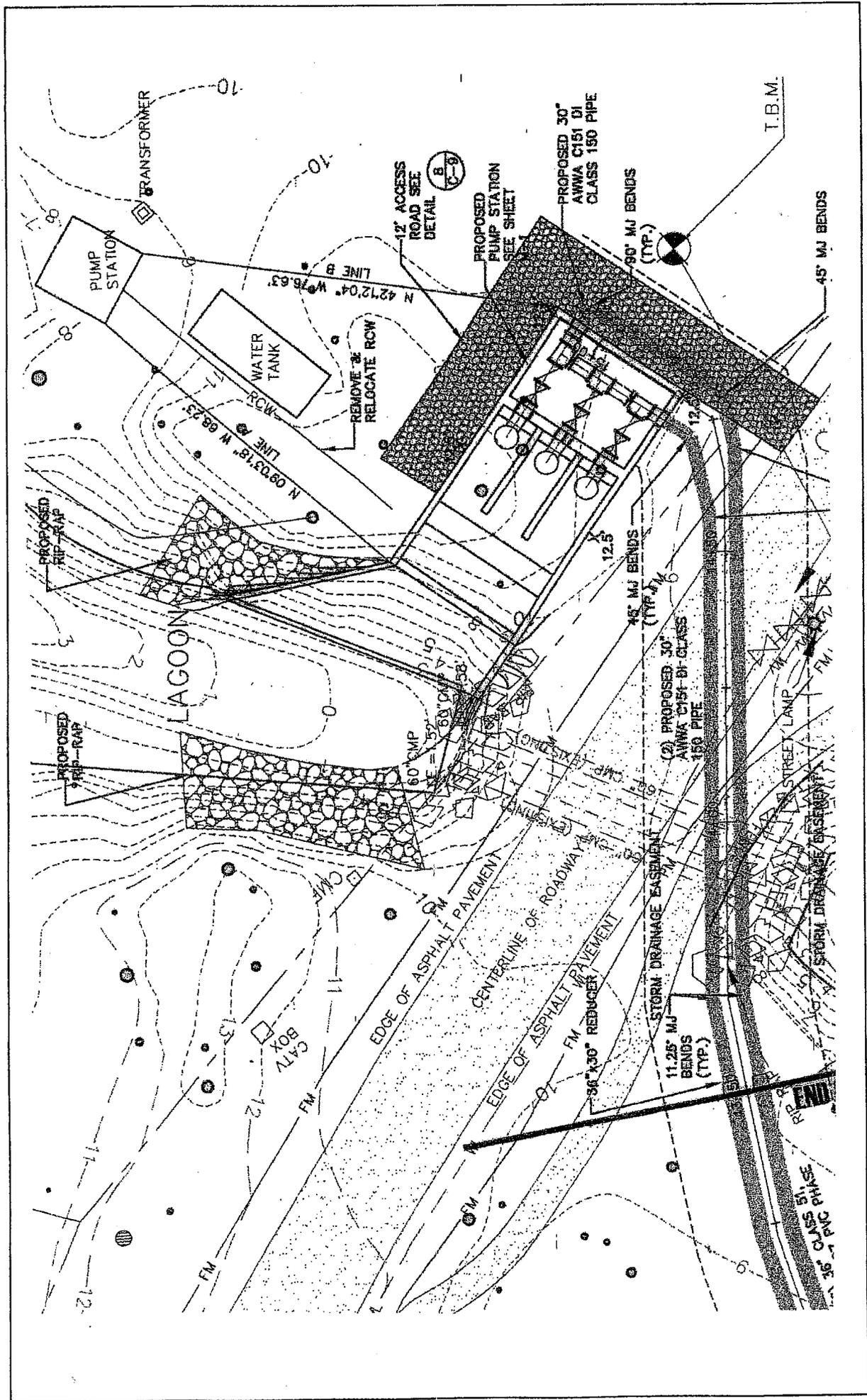


SECTION A-A

**CORDILLO PUMP STATION
PLAN AND PROFILE**

PROPOSED ACTIVITY:
CANAL DREDGING, BULKHEAD
REPLACEMENT
COUNTY:
BEAUFORT COUNTY, S. CAROLINA
APPLICANT:
TOWN OF HILTON HEAD ISLAND

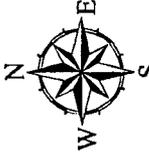
SHIPYARD CANAL DREDGING 2003-1W-337-P
HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA
DATE: JUNE 11, 2003
SCALE: N.T.S.
SHEET 26 OF 28
SOURCE: TOWN OF HILTON HEAD ISLAND



PROPOSED ACTIVITY:
 CANAL DREDGING, BULKHEAD
 REPLACEMENT
 COUNTY:
 BEAUFORT COUNTY, S. CAROLINA
 APPLICANT:
 TOWN OF HILTON HEAD ISLAND

SHIPYARD CANAL - PUMP STATION 2003-IW-337-P
 HILTON HEAD ISLAND
 BEAUFORT COUNTY, SOUTH CAROLINA
 DATE: JUNE 11, 2003
 SCALE: N.T.S.
 SHEET 27 of 28
 SOURCE: TOWN OF HILTON HEAD ISLAND

Shipyard Canal Maintenance
 Work Areas and Spoil Site
 Prepared by T-H-I

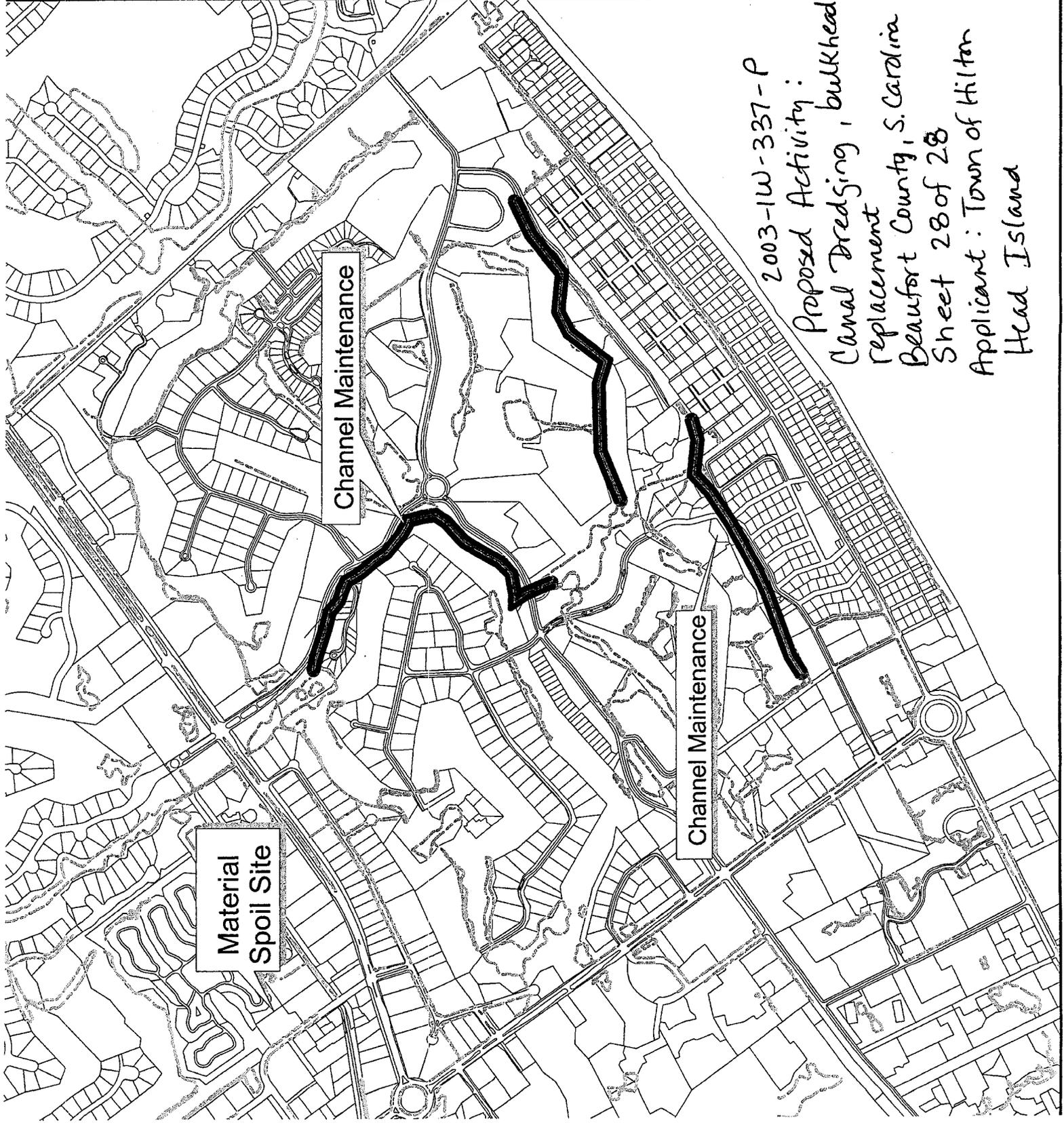


- Ditches & Lagoons:
- Parcel Polys Valu
- Parcel Lines
- Edge-of-Pavemen

The information has been compiled from a variety of unverified general source information. Hilton Head Island assumes no liability for its accuracy or state of completion, or for any decisions which the user may make based on this information.



TOWN OF HILTON HEAD ISLAND
 ONE TOWN CENTER COURT
 HILTON HEAD ISLAND, S.C. 29928
 PHONE (843) 341-4600
 10/19/2003



2003-1W-337-P
 Proposed Activity:
 Canal Dredging, bulkhead
 Replacement
 Beaufort County, S. Carolina
 Sheet 28 of 28
 Applicant: Town of Hilton
 Head Island