

Georgetown County, South Carolina

129 Screven Street, Suite 239, Georgetown, SC 29440-3641
Post Office Drawer 421270, Georgetown, SC 29442-4200
(843) 545-3083 · Fax (843) 545-3500
E-Mail purch@gtcounty.org · Website www.gtcounty.org

ADDENDUM #1

TO BID #16-043

BID NUMBER: 16-043

ISSUE DATE: Friday, July 15, 2016

OPENING DATE: Wednesday, August 03, 2016 **OPENING TIME: 3:00 PM (Eastern NIST)**
Bid Opening Location: Georgetown County Courthouse, Suite #239, (Purchasing Conference Room)

Pre-Bid Conference/Site Inspection: Voluntary – Wednesday, July 13, 2016 @ 11:00AM ET (On Site)

PROCUREMENT FOR: Murrells Inlet Maintenance Dredging

This addendum will amend **Bid #16-043, Murrells Inlet Maintenance Dredging** originally issued on Friday, April 01, 2016. This clarification is being provided to all known and registered correspondents in response to questions received. All addenda and original bid documents are also available online at: www.gtcounty.org, select “Bid Opportunities” from the ***Quick Links*** box on the home page.

County staff and the GEL Engineer met with all interested parties for a site walk through and discussion of the project. Representing GEL Engineering was Larry Setzler, PE. Representing the County was Art Baker, PE and Kyle Prufer, Purchasing Officer. This was a voluntary site bid and attendance was not mandatory to be able to submit a proposal. Those in attendance are recorded on the sign-in sheets attached as Attachment C, attached hereto.

The following items were discussed, in no specific order:

- 1) The SC-DRN parking lot designated as the de-watering site is to be roughly divided in half, with the portion closest to the church retained for vehicle and trailer parking.
- 2) The line on the bid submittal form for the firm’s SC GC License number may be marked “N/A” as non-applicable.
- 3) Additional questions or requests for clarification should be sent to Kyle Prufer, Purchasing Officer, at purch@gtcounty.org. Responses will be by published addenda, issued to all registered parties and posted on the County website at www.gtcounty.org, select “Bid Opportunities” from the ***Quick Links*** box on the homepage.
- 4) Engineers’ responses to questions received during the walk-through are addressed on the summary from the Division of Engineering and Capital Projects on the following pages.

5) Also attached to this document are:

Attachment A: Channel A Sketches,

Attachment B: Prior Permitting for Marlin Quay and Marina Colony Boat Club, and

Attachment C: Registration/Sign-in Sheet of Attendees

6) The cut-off for additional questions is 3:00PM Eastern on Wednesday, July 20, 2016 to allow time for response.

Thanks to everyone for your interest in working with Georgetown County on this project.

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ADDENDUM ACKNOWLEDGEMENT

Bid #16-043

Murrells Inlet Maintenance Dredging
Mandatory Submittal Form

To be returned with the final proposal submission to Georgetown County.

COMPANY NAME: _____

- | | | |
|-------------------------------------|----------------------------------|---------------------|
| <input checked="" type="checkbox"/> | Addendum #1 Received Date: _____ | Initialed By: _____ |
| <input type="checkbox"/> | Addendum #2 Received Date: _____ | Initialed By: _____ |
| <input type="checkbox"/> | Addendum #3 Received Date: _____ | Initialed By: _____ |
| <input type="checkbox"/> | Addendum #4 Received Date: _____ | Initialed By: _____ |
| <input type="checkbox"/> | Addendum #5 Received Date: _____ | Initialed By: _____ |
| <input type="checkbox"/> | Addendum #6 Received Date: _____ | Initialed By: _____ |

If your Bid submission has already been mailed, acknowledgment may be provided by faxing this form to (843)545-3500, or attaching a digital scan and sending by e-mail. .

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**GEORGETOWN COUNTY
DEPARTMENT OF PUBLIC SERVICES**

DIVISION OF ENGINEERING & CAPITAL PROJECTS

1918 Church St. Georgetown, SC 29440



PROJECT: MI Dredging (Access Channels)
RE: Voluntary Pre-Bid Contractors Site Meeting
DATE: July 13, 2016 @ 11a.m.
PARTY: Contractors (see attached sign-in sheet)
GEL: Larry Setzler
County: Kyle Prufer, Art Baker

The following are responses to questions received during the Pre-Bid meeting.

1. Schedule
 - a. Bid and anticipated award/construction schedule was provided in the bid documents.
2. Bid Opening
 - a. Bids will be publicly opened
 - b. Bid Tabulation will be posted online on the Georgetown County Website.
3. Contractor's License
 - a. Dredging contractors are not required to have SC Contractor's License.
 - b. Please enter N/A on the bid form.
4. Funding
 - a. Funding is by the county, and is not being federally funded.
5. Temporary Water Service to Dewatering Site
 - a. Georgetown County Water and Sewer District is the local water/sewer utility.
 - b. Contractor to contact GCWSD to coordinate temporary Metered Fire Hydrant.
 - c. Nearest apparent hydrant is at the intersection of the Hwy17 Business and parking lot driveway.
6. Temporary Electrical Power Service to Dewatering Site
 - a. Santee Cooper is the local electrical utility.
 - b. Contractor to contact Santee Cooper to coordinate temporary electrical service.
7. Channel "A" Volume
 - a. Less than 500 CY
 - b. Due to the limited quantity of material in Channel A, the Owner has identified the specific shoal within Channel A, and the SCDNR boat landing shoal to assist the Contractor in determining the necessary dredging limits for this phase of Work. See attached red-line drawing.
8. Hydrographic Surveys
 - a. County will provide one comprehensive pre-dredge hydrographic survey.
 - b. County will provide four compliance/acceptance post-dredge hydrographic surveys, the intervals and areas of which shall be agreed upon by the County and contractor.
 - c. Both Alternates (No. 1 Marina Colony Boat Club and No. 2 Marlin Quay) will provide their own pre and post dredge surveys.
9. Order of Work
 - a. The order of work is outlined in the Project Manual (p 138, Article 6.0)

10. Permits

- a. There will be three individual permits
 - i. Base Bid (Access Channels and Marshwalk
 - ii. Marina Colony Boat Club
 - iii. Marlin Quay
- b. These permits have not been received to date but are expected in the near future.
- c. County will provide the permits once received.
- d. As requested, the County has researched and is providing copies of old permits for Marlin Quay Marina and Marina Colony Boat. If other old permits are located, they will be provided under separate Addendum. The permits are for informational purposes only.

11. Disposal of Material

- a. There will be no testing of the dewatered material at the landfill.
- b. Georgetown County owns and operates the landfill.
- c. Trucks will be weighed on scales for record keeping purposes only.
- d. Contractor is encouraged to perform their own paint-filter testing to ensure transportability of material.

12. Dewatering Site (DNR Parking Lot)

- a. As clarification, temporary fence around perimeter of dewatering site shall be chain link fence (min. 6') and marked with "No Trespassing" signs.
- b. See Project Manual (p. 139, Article 9.5) regarding times of no-loading.
- c. See Project Manual (p. 139, Article 9.4) regarding required ingress/egress truck routs.
- d. Contractor is free to propose alternate disposal site as discussed in the Project Manual (p. 140, Article 9.9)

13. Effluent Water Testing

- a. There is no effluent water testing included in the base bid.

14. Dredging Equipment

- a. Mechanical dredging will not be allowed.
- b. The project is being permitted for hydraulic cutter-head suction dredge only.

15. Volume Calculations for Payment

- a. Material within 10' of bulkhead was not included in the dredge quantities in the bid schedule and will not be paid for separately.
- b. Contractor to include allowance for this quantity in bid, as outlined in the Project Manual (p. 139, Article 3.4)
- c. Box-Cut volume calculations were used on the Marshwalk (float) channel.
- d. All other areas were 3:1 side slopes. Please see notes on construction drawings.

16. Influent/Effluent Lines

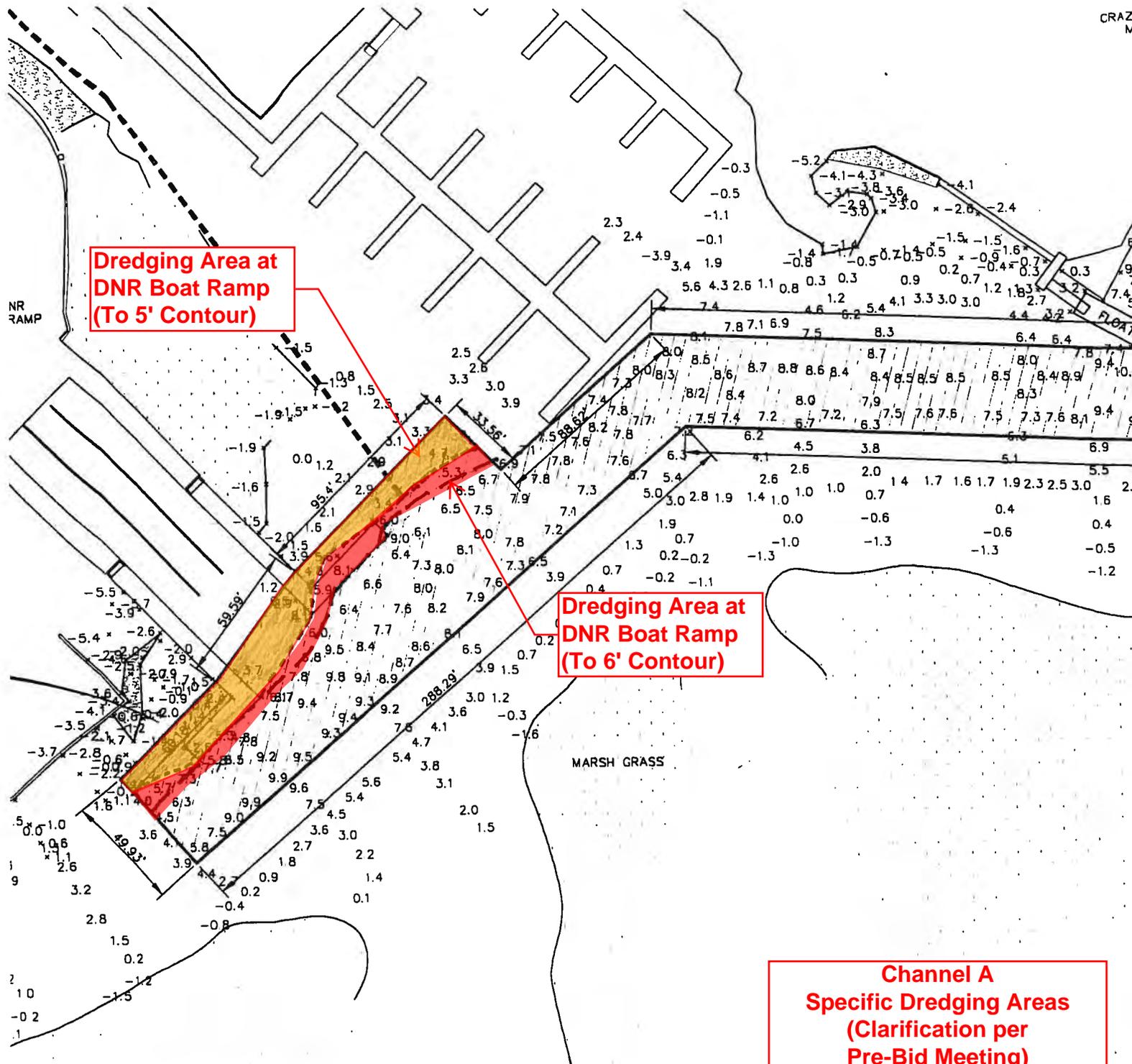
- a. Both lines are to pass through existing culvert under Hwy 17 Business.
- b. The SCDOT Encroachment Permit is included in the Project Manual (Appendix 2).
- c. Effluent line shall extend to DNR Courtesy float. (see Design Drawing Sheet D-2)

17. Spring Piles and Jet Docks

- a. Within 15' of NTP, Contractor shall provide plan showing which spring piles and/or floats will need to be removed to accomplish the work. Provide 72 advance notice prior to dredging the specific area. See Project Manual (p. 136, Article 1.5)

- 18. DNR Boat Ramp
 - a. Contractor shall not use DNR Boat Ramp for heavy equipment/barge loading or unloading.
 - b. May be used for shuttle for supplies/crew. See project manual. (p.137, Article 1.13)
- 19. Engineer's Estimate
 - a. See published advertisement.

Art Baker, PE
Engineering and Capital Project Manager
Georgetown County
Department of Public Services
o 843.545.3255
abaker@gtcounty.org
Innovation | Leadership | Teamwork



**Channel A
Specific Dredging Areas
(Clarification per
Pre-Bid Meeting)
July 13, 2016
(Page 1 of 2)**

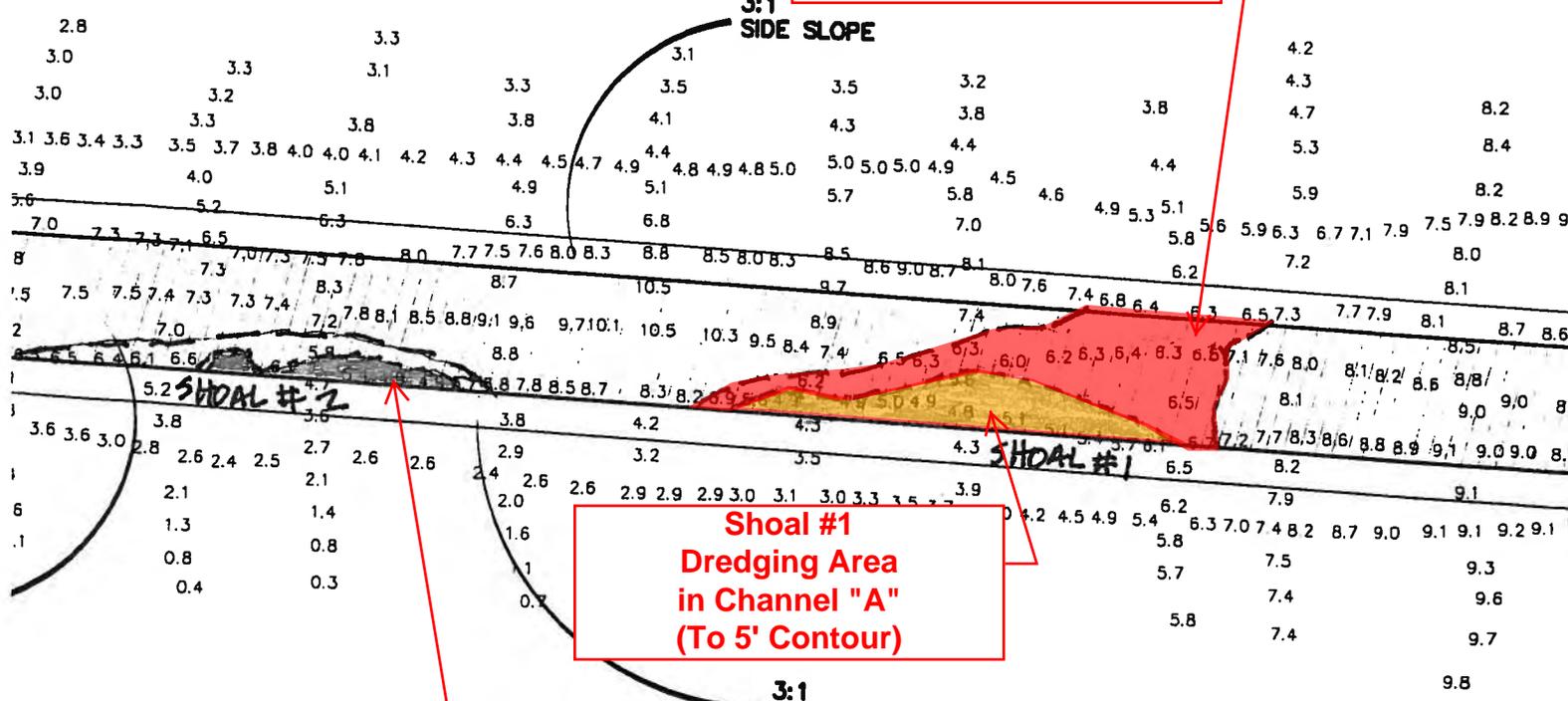
NOTES

1. Soundings were taken by below mean low water.
2. Proposed dredge depth-6
3. Mean tidal range4.3.....
- 4 The area shown by this chart survey may be less than the
5. Some depths have been omi
Volume calculations utilize all

MARSH GRASS

**Shoal #1
Dredging Area
in Channel "A"
(To 6' Contour)**

**3:1
SIDE SLOPE**



**SHOAL #2
Omit**

**Shoal #1
Dredging Area
in Channel "A"
(To 5' Contour)**

**3:1
SIDE SLOPE**

**CHANNEL A
DREDGE DEPTH:
-8.0' MLW +1.0'**

**Channel A
Specific Dredging Areas
(Clarification per
Pre-Bid Meeting)
July 13, 2016
(Page 2 of 2)**

DEPARTMENT OF THE ARMY PERMIT

Permittee: MARLIN QUAY MARINA

1398 BASIN DR, UNIT 112
GARDEN CITY, SC 29576

Permit No: 2004-1R-218

Issuing Office: CHARLESTON DISTRICT

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:

The work consists of performing maintenance dredging in waters of the U.S. and installing a bulkhead/breakwater to achieve safe navigation of vessels throughout the range of tides without damaging the adjacent marsh and oyster beds in accordance with the attached drawings entitled: Proposed: Maintenance Dredging; At: Marlin Quay Marina; In: Main Creek; County of: Georgetown, South Carolina. Sheets 1 thru 14 of 15 dated June 21, 2004 and sheet 15 of 15 dated May 20, 2005.

Project Location:

The project site is located on Main Creek in Georgetown County, South Carolina.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on **31 March 2012**. 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 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 quality 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:

SEE PAGE 4.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Section 404 of the Clean Water Act (33 U.S.C. 1344).

Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

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 project.

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.

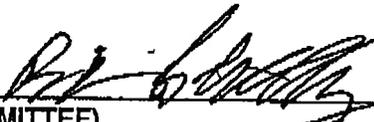
b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

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 to 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)
MARLIN QUAY MARINA

2-13-07
(DATE)

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

(DISTRICT ENGINEER)
EDWARD R. FLEMING
or his Designee
Tina B. Hadden
Chief, Regulatory Division

(DATE)

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. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE)

(DATE)

A. SPECIAL CONDITIONS FOR PERMIT #: 2004-1R-218

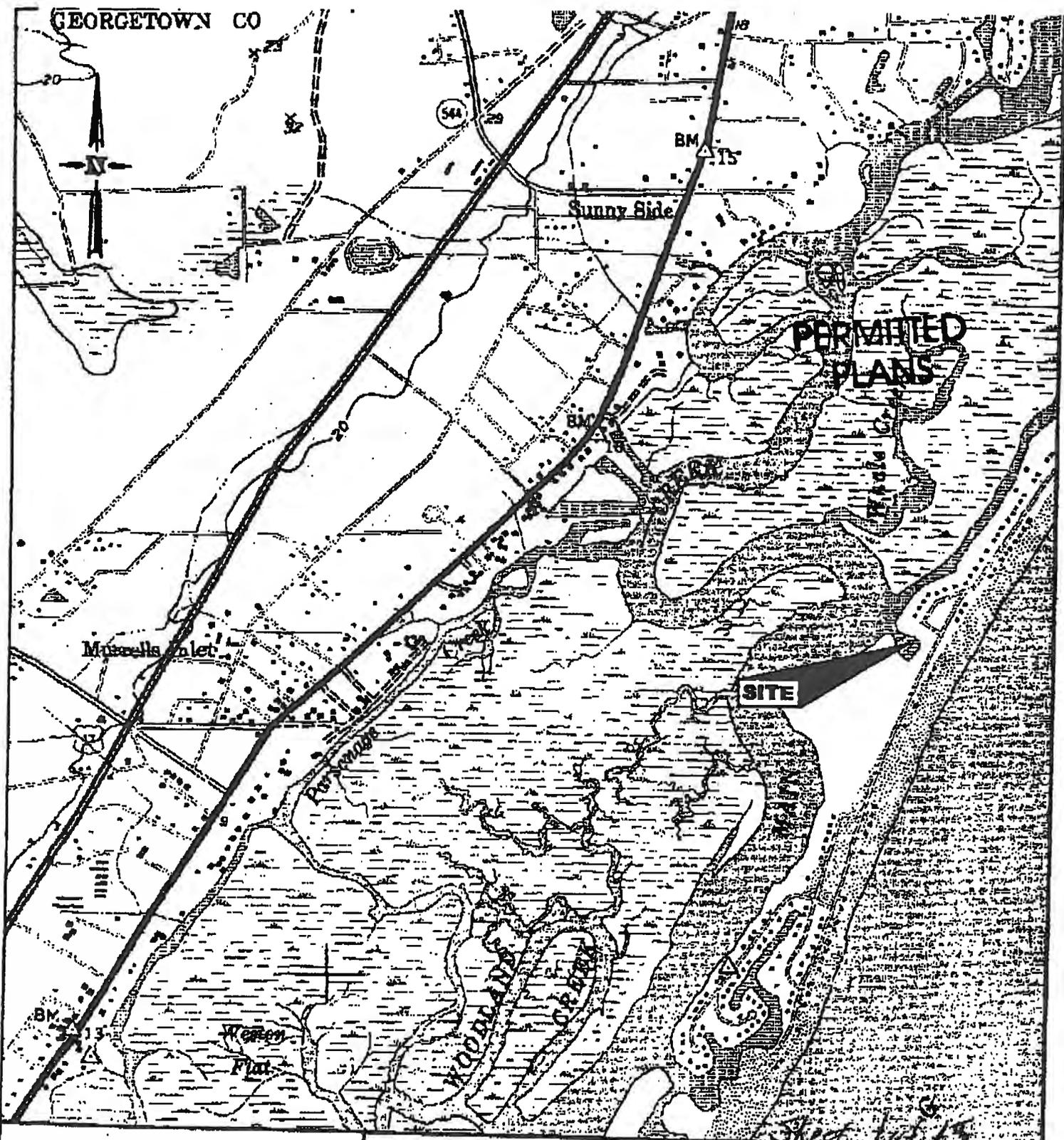
- a. That the permittee agrees to provide all contractors associated with construction of the authorized activity a copy of the permit and drawings. A copy of the permit will be available at the construction site at all times.
- b. That the permittee shall submit a signed compliance certification to the Corps within 60 days following completion of the authorized work and any required mitigation. The certification will include:
 1. A copy of this permit;
 2. A statement that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions;
 3. A statement that any required mitigation was completed in accordance with the permit conditions;
 4. The signature of the permittee certifying the completion of the work and mitigation.
- c. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- d. That the permittee agrees to conduct the work authorized herein in a manner that will not prevent or interfere with full and free use of the adjacent or nearby navigable waters of the United States by the boating public.
- e. That the permittee must contact the United States Coast Guard to ascertain and assist in the issuance of a Notice to Mariners advising the boating public of the place and time that the dredging activity will be occurring.
- f. That the permittee is responsible for properly installing and providing appropriate warning and marking devices to alert the boating public of any dangers (such as cables, anchors, buoys and other appurtenances) associated with the proposed dredging activity. All warning and marking devices must be marked and installed in accordance with United States Coast Guard standards.
- g. That the permittee agrees to contact the Boating Division of the South Carolina Department of Natural Resources to advise them of the place and time that the dredging activity will be occurring. The permittee will solicit any information that the Department may have on local boating traffic patterns and activities in the project area. Such information will be used to facilitate dredging plant and appurtenances setup and operation to insure safe navigation through the area of work.
- h. Approval of this permit will give Federal authorization for maintenance dredging for a period of ten years from the date of issuance provided all other special conditions are complied with.
- i. That the applicant agrees that only sub-tidal areas will be dredged, and a minimum buffer of 10' will be established between the dredged area and adjacent marsh areas and oyster bed resources.
- j. That the applicant understands that no placement or stockpiling of excavated material in Waters of the U.S. (double handling), or drainage of spoil discharge into Waters of the U.S. (runback) is authorized.

- k. That the applicant agrees to maintain a berm around the de-watering area and a silt screen around the berm during the de-watering operation to prevent siltation from discharging into adjacent areas.
- l. That all dredging must be performed during the winter months (November 1 through March 30), unless otherwise approved by this office. In order to insure protection of West Indian Manatees that may enter the project area during dredging activities performed outside the winter months, the permittee will comply with the following:
 1. That the contractor will insure that all personnel associated with the project are made aware of the potential presence of manatees and the need to avoid collisions with them.
 2. That all construction personnel will be advised 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 Sanctuaries Act of 1978. The permittee is aware that it and/or contractor may be held responsible for any manatee harmed, harassed, or killed as a result of construction activities.
 3. That siltation barriers will be made of material in which manatees cannot become entangled, and properly secured, and are regularly monitored to avoid manatee entrapment. Barriers must not block manatee entry to or exit from essential habitat.
 4. That all vessels associated with the project will operate at "no wake/idle" speeds at all times while in water where the draft of the vessel provides less than four feet clearance from the bottom and that vessels will follow routes of deep water whenever possible.
 5. That if manatees are seen within 100 yards of the dredging area, all appropriate precautions shall be implemented to ensure protection of the manatees. These precautions shall include operating all equipment in such a manner that moving equipment does not come any closer than 50 feet of any manatee. Operation of any equipment closer than 50 feet to a manatee shall necessitate immediate shutdown of the equipment.
 6. That any collision with any/or injury of a manatee will be reported immediately to the S.C. Wildlife and Marine Resources department, Heritage Trust Section, (803) 844-2473.
 7. That the contractor will maintain a log detailing sightings, collisions, or injuries to manatees should they occur during the contract period. Following project completion, a report summarizing incidents and sightings will be submitted to:

Mr. Tom Murphy
S.C. Wildlife and Marine Resources Department
Heritage Trust Section
P.O. Box 12559
Charleston, SC 29422-2559

and

Ms. Melissa Bimbi
United States Department of Interior
Fish and Wildlife Service
176 Croghan Spur Road, Suite 200
Charleston, South Carolina 29407



PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATA: MLW

SAC # 2004-1R-218

MLW www.102204-VIRL00304C-p4778.dwg

FIGURE 1
SITE LOCATION MAP

SCALE: 1" = 500'

0' 250' 500' 750'

MARLIN QUAY MARINA
1508 S. WACCAMAW DRIVE
GARDEN CITY BEACH, SC 29578

GENERAL ENGINEERING & ENVIRONMENTAL, LLC

PROPOSED: MAINTENANCE DREDGING

AT: MARLIN QUAY MARINA

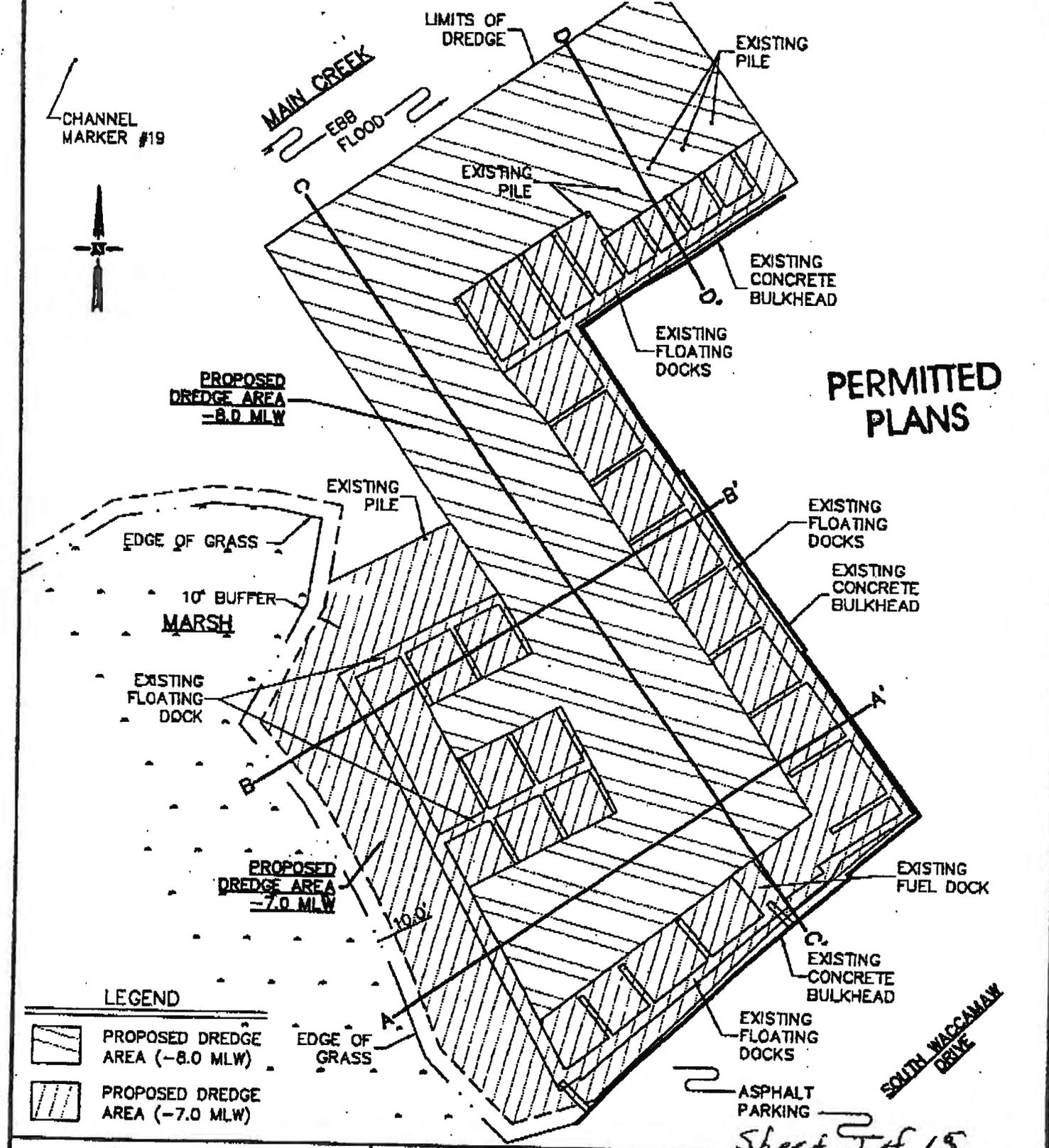
PL: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

SHEET: 1 OF 9

DATE: 6/21/04

a Member of THE GEL GROUP, INC.



PERMITTED PLANS

LEGEND

- PROPOSED DREDGE AREA (-8.0 MLW)
- PROPOSED DREDGE AREA (-7.0 MLW)

PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATUM: MLW

SAC # 2004-1R-218

**FIGURE 2
OVERALL DREDGE AREA
SITE PLAN**

SCALE: 1" = 80'

MARLIN QUAY MARINA
1508 S. WACCAMAW DRIVE
GARDEN CITY BEACH, SC 29576

PROPOSED: MAINTENANCE DREDGING

AT: MARLIN QUAY MARINA

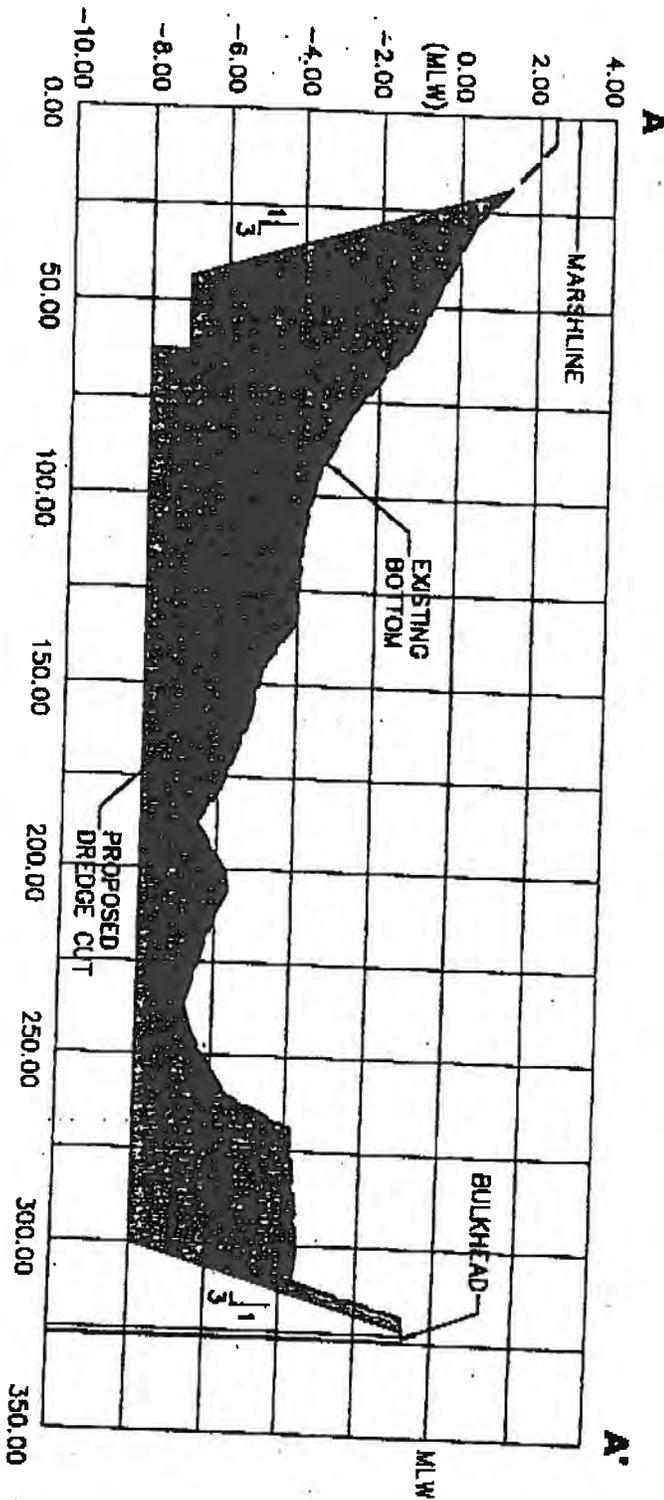
IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

SHEET: 2 OF 9 DATE: 6/21/04

Sheet 2 of 15

DEPTH RELATIVE TO MEAN LOW WATER



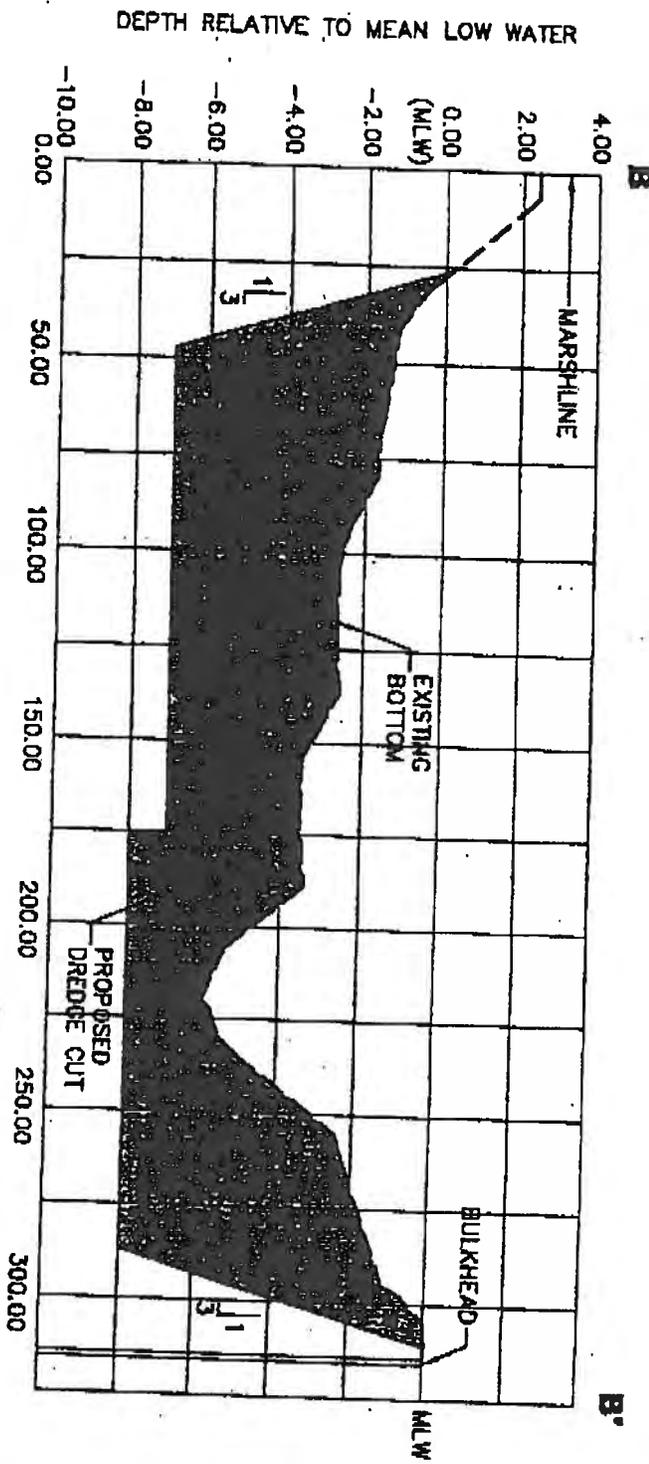
PERMITTED
PLANS

LEGEND
AREA OF PROPOSED
DREDGING

Sheet 3 of 15

<p>PURPOSE: MAINTAIN SAFE OPERATING DEPTHS</p> <p>ADJACENT PROPERTY OWNERS SEE: ATTACHED LIST</p> <p>SURVEY DATUM: MLW</p> <p>SAC # 2004-AR-218</p>	<p>FIGURE 3 CROSS SECTION A-A'</p> <p>HORIZONTAL SCALE: 1"=50'</p> <p>VERTICAL SCALE: 1"=5'</p> <p>MARLIN CLAY MARINA 1508 S. WACCAMAN DRIVE GARDEN CITY BEACH, SC 29578</p>	<p>PROPOSED: MAINTENANCE DREDGING</p> <p>AT: MARLIN CLAY MARINA</p> <p>RE: MAIN CREEK</p> <p>COUNTY OF: GEORGETOWN, SOUTH CAROLINA</p> <p>SHEET: 3 OF 8</p> <p>DATE: 8/21/04</p>
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PERMITTED PLANS

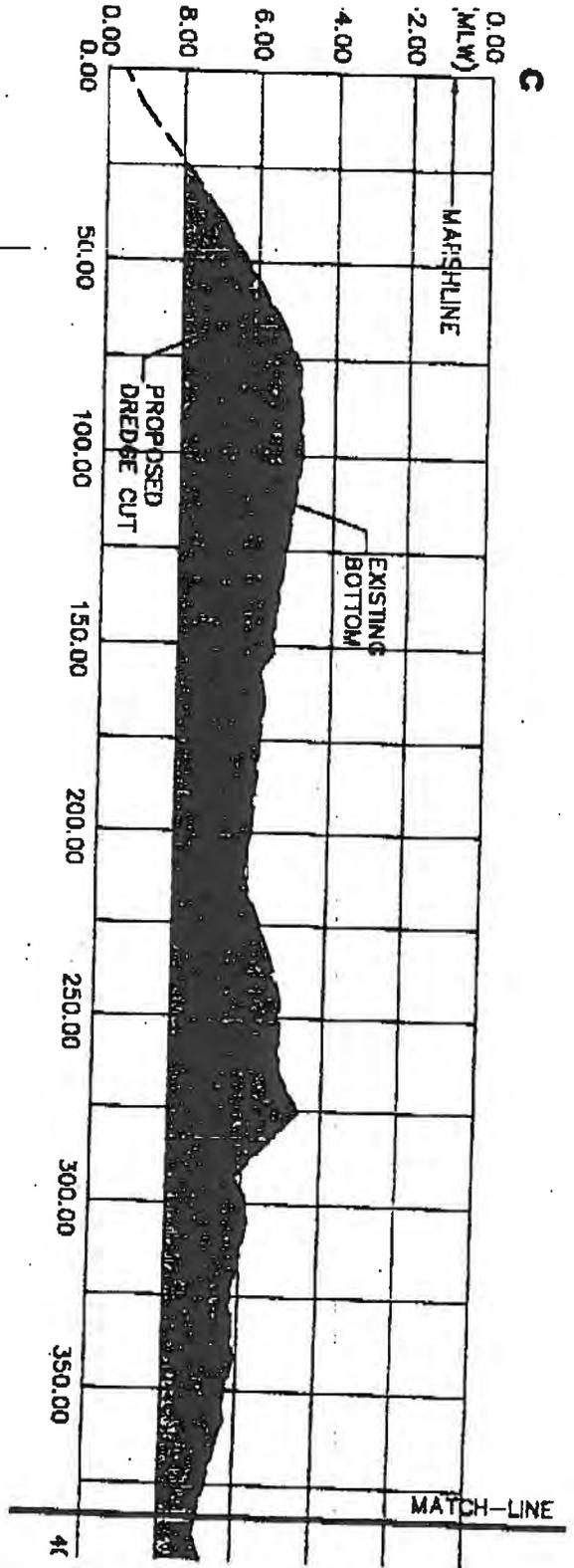
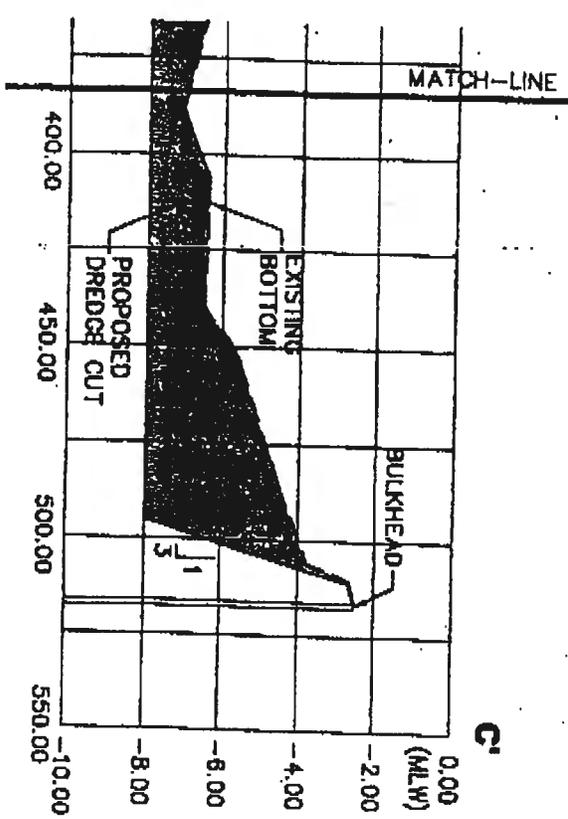


LEGEND

AREA OF PROPOSED DREDGING

Sheet 4 of 15

<p>PURPOSE: MAINTAIN SAFE OPERATING DEPTHS</p> <p>ADJACENT PROPERTY OWNERS: SEE ATTACHED LIST</p> <p>SURVEY DATUM: MLW</p> <p><i>SAC # 2014-1R-218</i></p>	<p>FIGURE 4 CROSS SECTION B-B'</p> <p>HORIZONTAL SCALE: 1"=50' VERTICAL SCALE: 1"=5' </p> <p>MARLIN QUAY MARINA 1508 S. WACCAMNY DRIVE GARDEN CITY BEACH, SC 29576</p>	<p>PROPOSED: MAINTENANCE DREDGING</p> <p>AT: MARLIN QUAY MARINA</p> <p>IN: MAIN CREEK</p> <p>COUNTY OF: GEORGETOWN, SOUTH CAROLINA</p> <p>SHEET: 4 OF 9</p> <p>DATE: 8/21/04</p>
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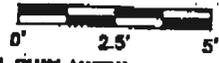
**PERMITTED
PLANS**

LEGEND
 AREA OF PROPOSED DREDGING

Sheet 5 of 15

PURPOSE: MAINTAIN SAFE OPERATING DEPTHS
ADJACENT PROPERTY OWNERS: SEE ATTACHED LIST
SURVEY DATUM: MLW
SAC # 2004-12-218

**FIGURE 5
CROSS SECTION C-C'**
HORIZONTAL SCALE: 1"=50'

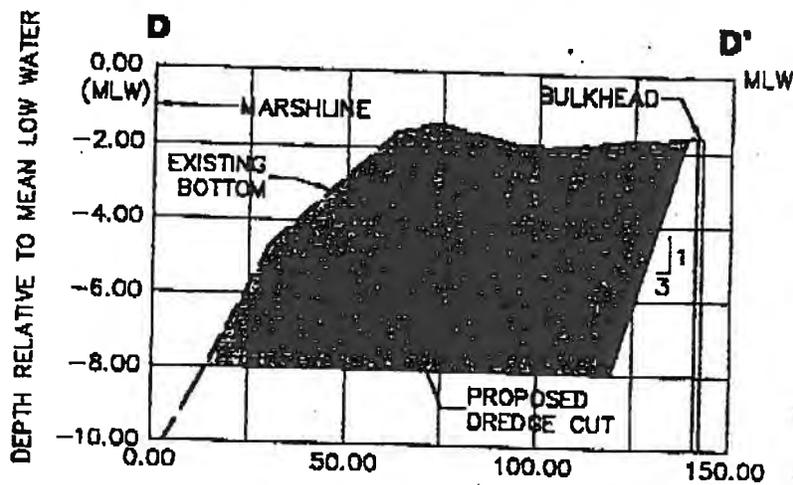
VERTICAL SCALE: 1"=5'

MARLIN QUAY MARINA
1508 S. WACCAMAN DRIVE
GARDEN CITY BEACH, SC 29576

PROPOSED: MAINTENANCE DREDGING
AT: MARLIN QUAY MARINA
IN: MAIN CREEK
COUNTY OF: GEORGETOWN, SOUTH CAROLINA
SHEET: 5 OF 8
DATE: 8/21/04

MLW\mvt\002040\MLW002040C-perm\MLW

GENERAL ENGINEERING & ENVIRONMENTAL, LLC

Member of THE GEL GROUP, INC.
Page 19 of 77



PERMITTED PLANS

LEGEND



AREA OF PROPOSED DREDGING

Sheet 6 of 15

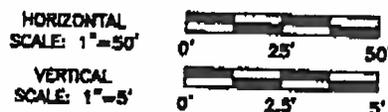
PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATUM: MLW

SAC # 2004-12-218

FIGURE 6 CROSS SECTION D-D'



MARLIN QUAY MARINA
1506 S. WACCAMAW DRIVE
GARDEN CITY BEACH, SC 29576

PROPOSED: MAINTENANCE DREDGING

AT: MARLIN QUAY MARINA

IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

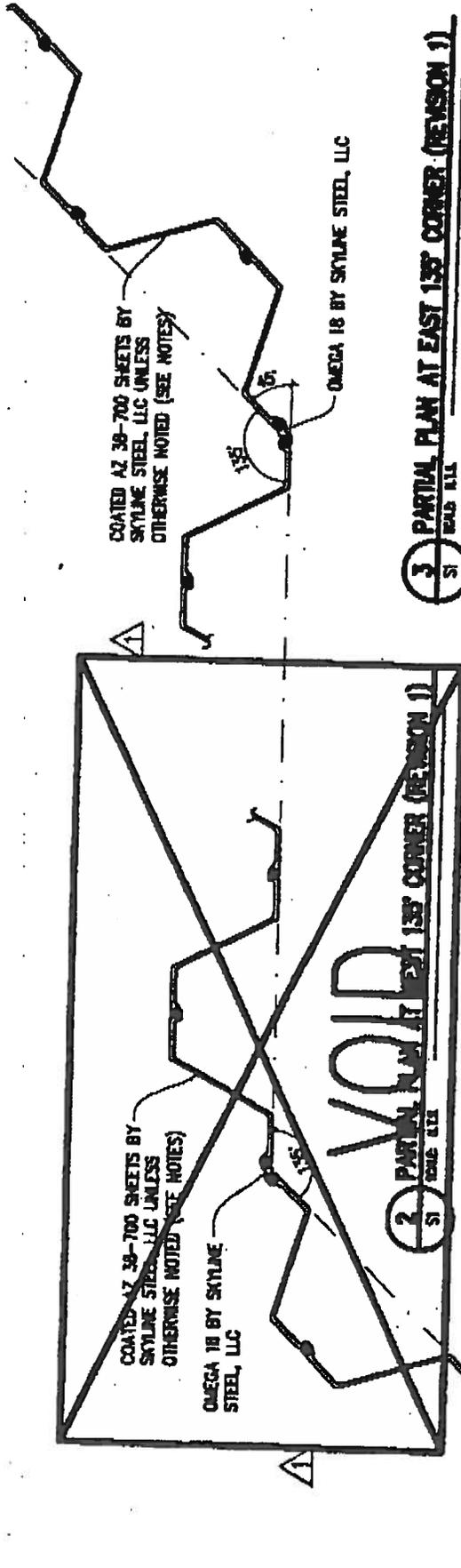
SHEET: 6 OF 9

DATE: 8/21/04

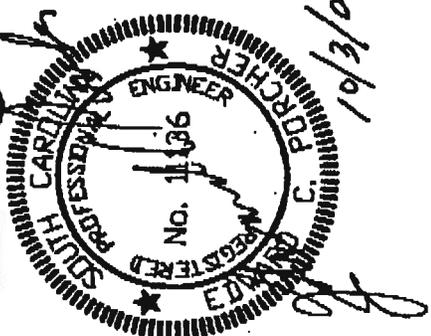
**PERMITTED
PLANS**

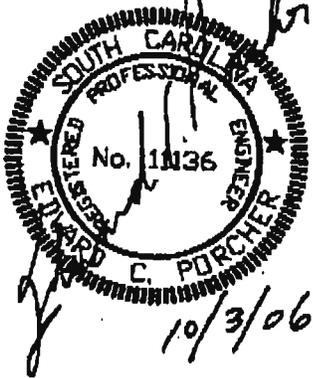
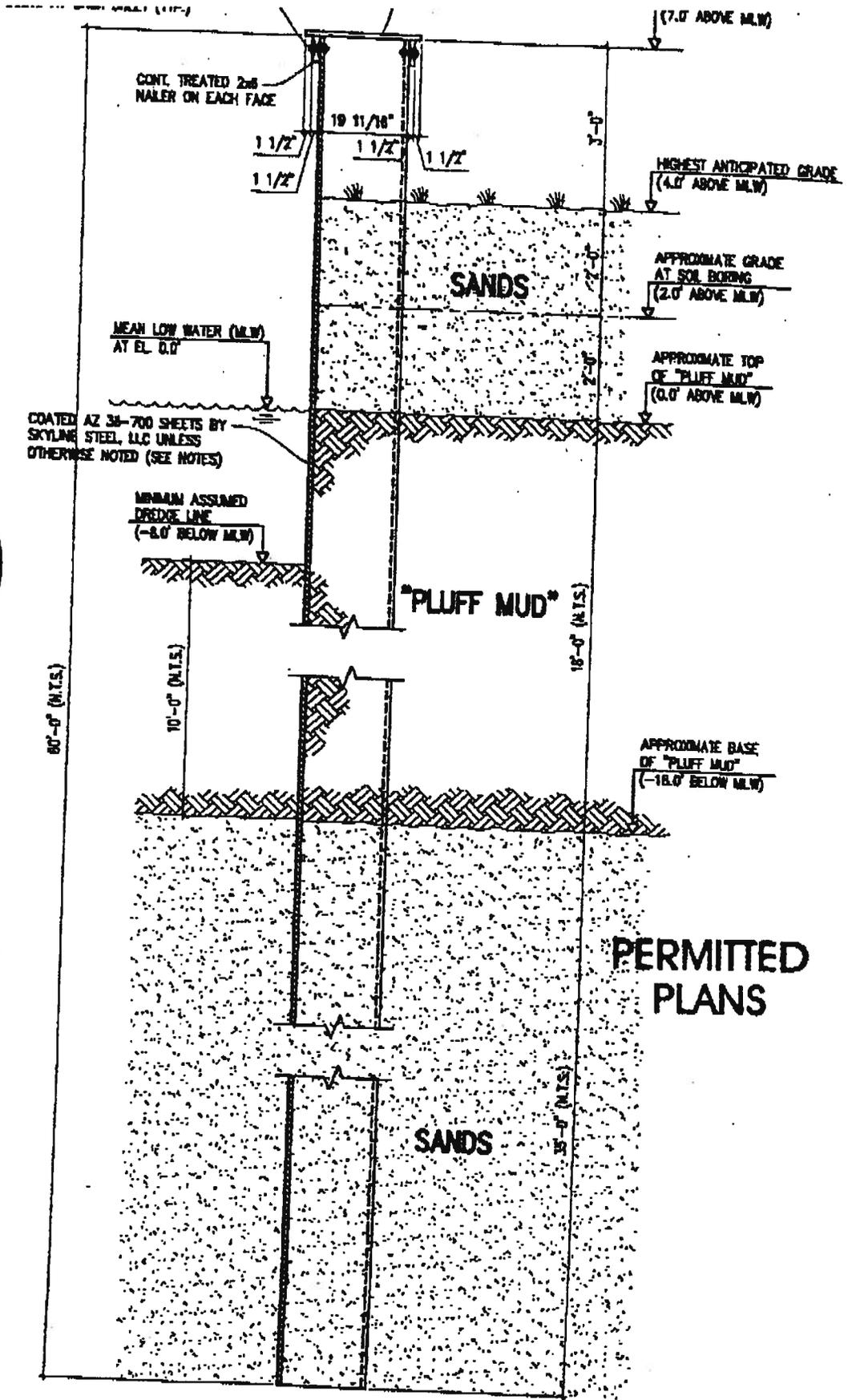
Sheet 9 of 13

SAC # 2004-1R-218



3 PARTIAL PLAN AT EAST 135° CORNER (REVISION 1)
SI 2004-1R-218





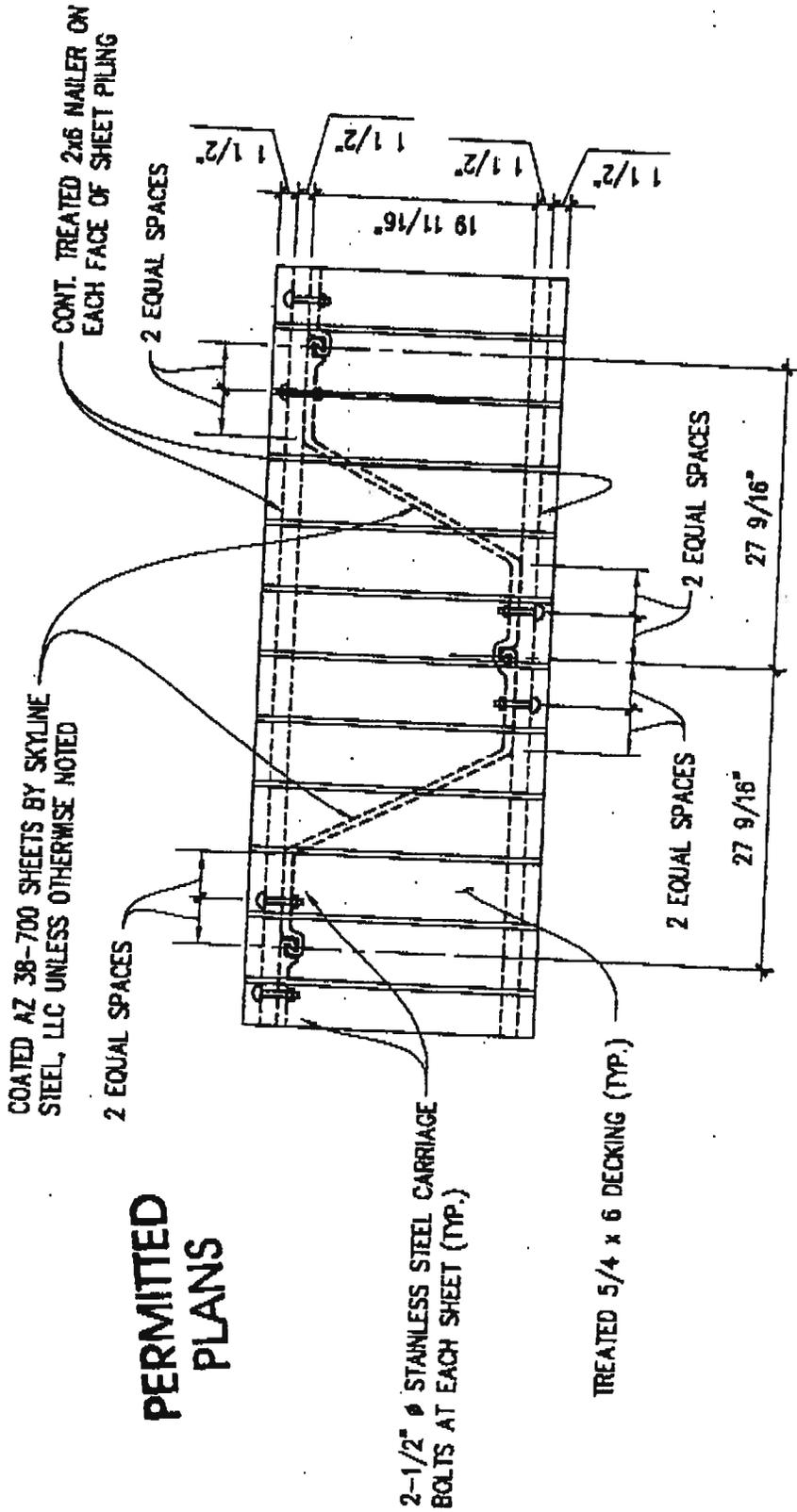
PERMITTED PLANS

4 SECTION AT NEW BULKHEAD/BREAKWATER (REVISION 1)
 S1 SCALE: N.T.S.

SAC # JUV-1R-218
 Bid# 16-043, Addendum 01

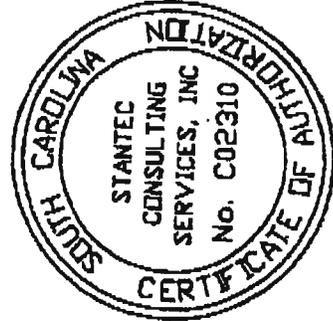
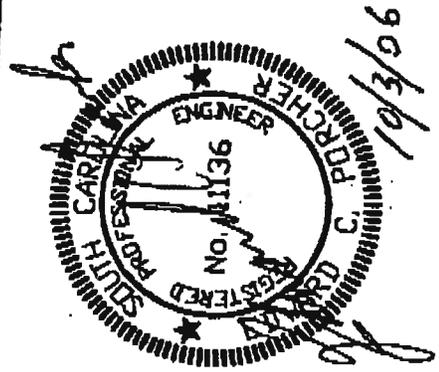
Sheet 10 of 15

**PERMITTED
PLANS**



**5 PARTIAL PLAN AT WOOD CAP ON
TOP OF BULKHEAD/BREAKWATER (REVISION 1)**

SCALE: N.T.S.



Sheet 11 of 18

Sheet # 2044-1R-215

PERMITTED PLANS

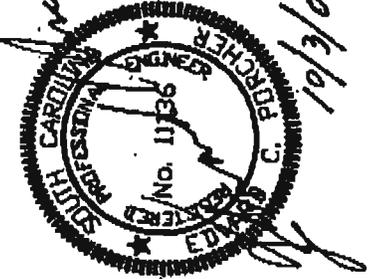
GENERAL NOTES (REVISION 1)

GENERAL

1. The responsibilities of Stantec Consulting Services, Inc. are limited to Structural DESIGN of the new steel bulkhead/breakwater. No other portions of the existing marina have been investigated, designed, or analyzed by Stantec.
2. All permitting, including bulkhead/breakwater locations and dredging requirements, shall be designed by others and are not the responsibility of Stantec. All work must be in accordance with approved permits.
3. All existing survey information, including but not limited to, floating dock locations, marsh locations, oyster bed locations, and grades have been provided by General Engineering & Environmental, LLC (GEL) in the survey by Mark A. Cornelius, P.L.S. dated March 3, 2008.
4. All materials for design, detailing, fabrication, and erection shall conform with ASTM, AISC, and other applicable codes and standards, latest editions.
5. All dimensions and details must be field verified by the Contractor prior to fabrication of new materials. Any discrepancies shall be brought to the attention of the Engineer for review.
6. All shop drawings and submittals must be reviewed by the Engineer before fabrication of new materials.
7. The Contractor shall provide adequate bracing, shoring, and protection during construction, and he is responsible for any failures and damages due to the lack of such.
8. Extrema diligence and care shall be exercised by the Contractor to protect the site and adjacent properties. Any damages as a result of construction operations are the sole responsibility of the Contractor, and shall be either repaired or replaced at no cost to the Owner.
9. Workers, employees, and the General Public shall be protected by the Contractor. All OSHA and other applicable safety standards shall be adhered to by the Contractor during all work. Personnel and property. Any damages, accidents, or injuries as a result of construction operations are the sole responsibility of the Contractor.
10. Existing utilities, equipment, and other opportunities conflicting with proposed work shall be protected, and relocated if required, by the Contractor as required to complete all work. Any relocating work shall be in accordance with applicable codes and standards.
11. Unless specifically noted in the drawings, specifications, or subsequent documents, any items to be removed by the Contractor shall be disposed of by the Contractor.
12. Upon completion of all work, the Contractor shall clean up and remove from the site all surplus materials, tools, appliances, rubbish, protection devices, access materials, cleaning debris, equipment, and other foreign debris such that the site is left in a neat, orderly condition and ready for use.
13. After completion of the new bulkhead/breakwater, structural maintenance shall be the responsibility of the Owner. The Owner is advised that steel sheet piling in the harsh seawater environment will require periodic cleaning and recoating with coal tar epoxy. Similarly, the wood cap will require periodic maintenance.

FOUNDATION NOTES

See the Geotechnical Investigation Report by WPC Engineering, Environmental & Construction Services dated March 29, 2008 (WPC Project No. CHS-08-120) along with a subsequent email by Edward L. Hejduk, P.E. dated 04/12/08.
The Contractor is advised that the site may contain various rubble and other foreign debris which must be punched through and/or removed as required to complete all new work. Punching, spudding, and/or removal of normal foreign debris as expected in waterfront work are the sole responsibility of the Contractor.



Sheet 2004-12-218

PERMITTED PLANS

STRUCTURAL STEEL AND STEEL SHEET PILING

1. Design, fabrication, and erection must follow the AISC Manual of Steel Construction, ninth edition.
2. Unless otherwise noted, all steel members shall be of ASTM A572, Grade 50 steel or better.
3. All bolts shall be A53, Type 316 stainless steel.
4. All steel sheet piling shall be coated, Skyline AZ 38-700 steel sheet piling by Skyline Steel, LLC of Parapony, NJ. Shipping properties shall be at least $I=894.5 \text{ in}^4/\text{ft}$ and $S=70.7 \text{ in}^3/\text{ft}$.
5. All sheet piling shall be manufactured from ASTM A572, Grade 50 steel with a minimum yield strength of 50,000 ksi.
6. All sheet piling shall be thoroughly cleaned to a SSPC Na. 10 "Near White" finish (with a 2 to 4 mil surface profile) and shop coated with at least 16 dry mils of Amercoat 7848, amine cured coat for epoxy or approved equal.
7. Shop drawings of sheet piling sizes, configurations, strengths, properties, layout, and coatings shall be submitted to the engineer for review and coordination prior to fabrication and shipment of new materials.
8. Sheet piling shall be 60'-0" in length and driven to a butt elevation of 7'-0" above Mean Low Water (MLW).
9. All welding shall be executed by a certified welder to meet the requirements of the American Welding Society for welding structural steel of type as shown on the drawings. Welding electrodes shall be E-70 series.
10. All cutting or burning of the structural steel members not shown on the drawings shall be approved by the Structural Engineer before performing the work. The Contractor shall bear all the expenses of the cutting and the required reinforcing as directed.
11. All welded, abraded, or otherwise exposed steel shall be thoroughly cleaned and field painted with two coats of coal tar epoxy.

STRUCTURAL WOOD

1. Design, fabrication, and erection of structural wood shall follow the ANSI/AP and PA NDS-2001.
2. Unless otherwise noted, all wood shall be Southern Yellow Pine, No. 2, and preservative treated to ANFA Standards C22 or better to at least 0.6 lbs/cf of retention with CCA.
3. All joint hangers, hurricane ties, straps, and other metal connectors shall be stainless steel "Strong-Tie" connectors as manufactured by Simpson Company or approved equal.
4. All bolts, nails, screws, and other metal connectors shall be AISI, Type 316 stainless steel.

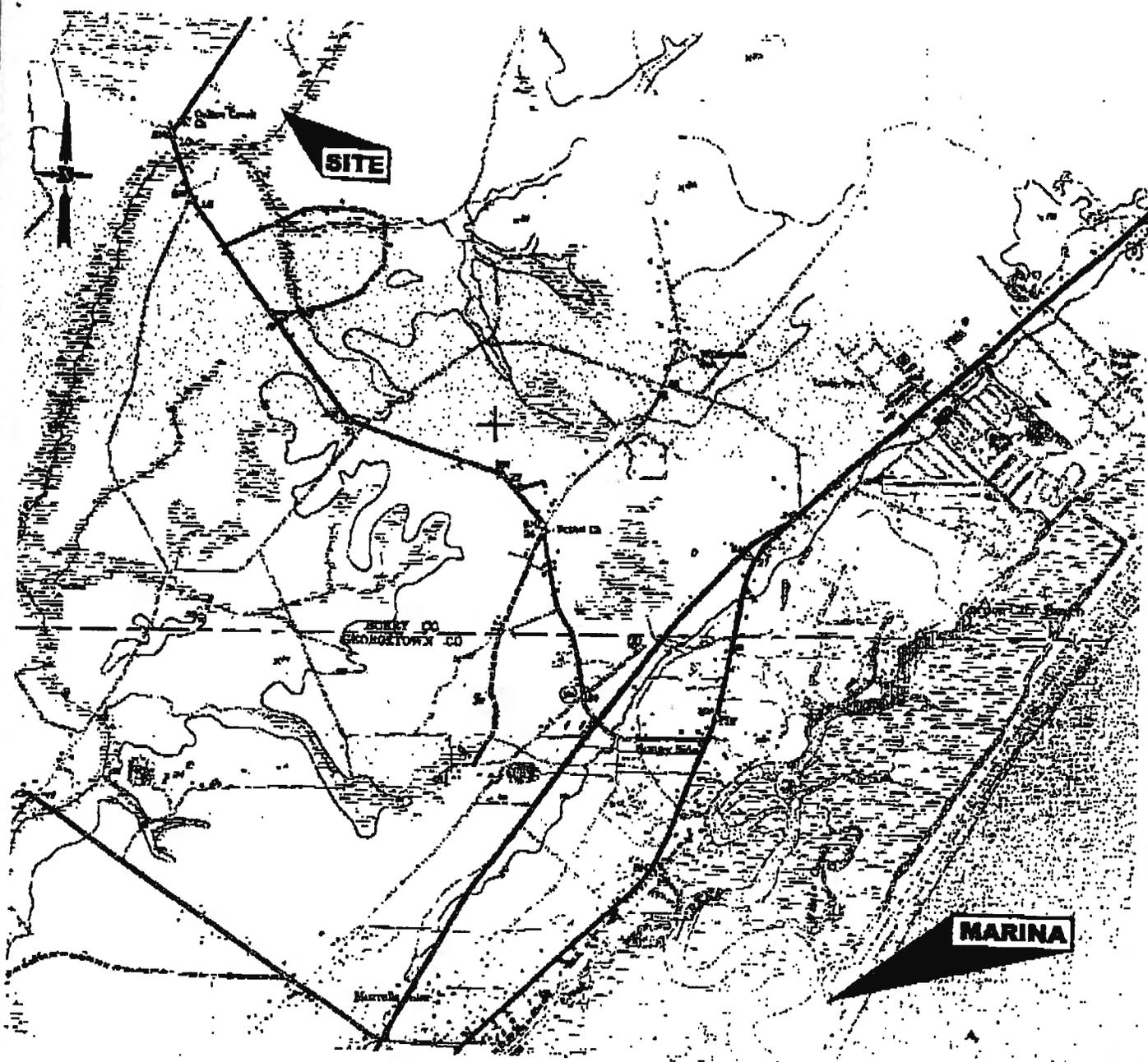


90/3/01

J. BORCHERS



Sheet 2004-12-218



Sheet 14 of 15

PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATUM: MLW

SAC# 2004-1R-218

FIGURE 8
SITE LOCATION MAP OF
DISPOSAL SITE

SCALE: 1" = 1000'



MARLIN QUAY MARINA
1508 S. WACCAMAW DRIVE
GARDEN CITY BEACH, SC 29576

Georgetown County, South Carolina

PROPOSED: MAINTENANCE DREDGING

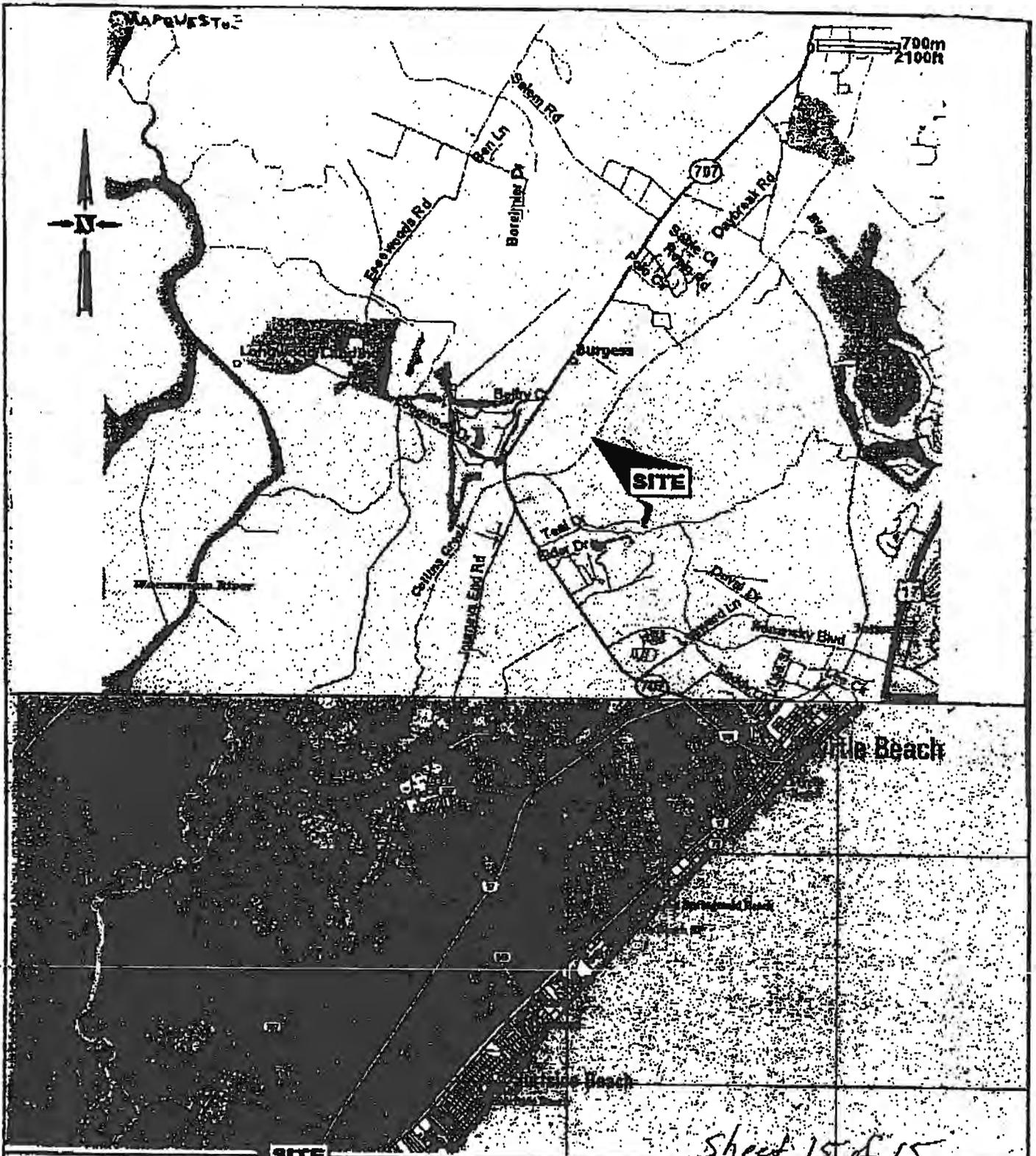
AT: MARLIN QUAY MARINA

IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

SHEET: 8 OF 9

DATE: 28 of 7/04



Sheet 1st of 15

SITE

PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATE: M.W.

SAC #2004-1R-218

**FIGURE 9-A
DISPOSAL SITE LOCATION MAP**

SCALE: 1" = 500'

0' 250' 500' 750'

MARLIN QUAY MARINA
1508 S. WACCAMAW DRIVE
GARDEN CITY BEACH, SC 29578

PROPOSED: MAINTENANCE DREDGING

AT: MARLIN QUAY MARINA

IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

SHEET: 9-A OF 15

DATE: 5/20/05



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

NOV 11 9 2005

CRITICAL AREA & WATER QUALITY CERTIFICATION PERMIT

Permittee: Marlin Quay Marina
Permit Number: 2004-1R-218-P
Date of Issuance: October 31, 2006
Expiration Date: ~~October 31, 2011~~ → OCTOBER 31, 2020
Location: On and adjacent to at 1508 S Waccamaw Dr, Georgetown, Georgetown County, South Carolina.

SE
CONDITIONS

This permit/certification is issued under the provisions of 25A S.C. Code Ann. Regs. 61-101 (Supp. 2005), *et seq.*, and 23A S.C. Code Ann. Regs. 30-1 through 30-18 (Supp. 2005). Additionally, as required by R.61-101, Department staff have reviewed plans for this project and determined there is a reasonable assurance the project will be conducted in a manner consistent with Certification requirements of Section 401 of the Clean Water Act. We also certify that this project, subject to the indicated conditions, is consistent with applicable provisions of Section 303 of the Clean Water Act, as amended, that there are no applicable effluent limitations under Sections 301(b) and 302, and that there are no applicable standards under Sections 306 and 307.

This permit contains required certification pursuant to Section 401 of the Clean Water Act. Work may not commence under this permit until thirty (30) days after final signature by an OCRM official. PLEASE CAREFULLY READ THE ENCLOSED "NOTICE OF APPEAL PROCEDURE."

Please carefully read the project description and any special conditions, which may appear on this permit/certification, as they will affect the work that is allowed. If there are no special conditions, then the work is authorized as described in the project description and as modified by general conditions. The general conditions are also a part of this permit/certification and should be read in their entirety. The S. C. Contractor's Licensing Act of 1999, enacted as Section 40-11-5 through 430, requires that all construction with a total cost of \$5,000 or more be performed by a licensed contractor with a valid contractor's license for marine class construction, except for construction performed by a private landowner for strictly private purposes. Your signature on and acceptance of this permit denotes your understanding of the stated law regarding use of licensed contractors. All listed special and general conditions will remain in effect for the life of the project if work commences during the life of the permit. This applies to permittee, future property owners, or permit assignees.

DESCRIPTION OF THE PROJECT, AS AUTHORIZED

This permit has been issued authorizing the requested work, with conditions. Specifically, the work will consist of dredging approximately 35,000 cubic yards of material from the marina and constructing a small breakwater/bulkhead in the marina basin. The dredging will be performed by a hydraulic dredge and the dredged material will be pumped to a staging/dewatering area in the Marlin Quay parking lot where the material will pass through a belt-press system. A silt fence and berm will be constructed

implements or tools, human burials, historic docks, structures, or non-recent vessel remains. Paleontological remains consist of old animal remains, original or fossilized, such as teeth, tusks, bone, or entire skeletons.

WATER QUALITY SPECIAL CONDITIONS

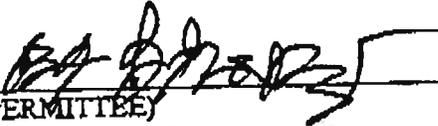
1. The applicant must implement best management practices that will minimize erosion and the migration of sediments on and off the project site during and after construction. These practices should include the use of appropriate grading and sloping techniques, mulches, hay bales, silt fences, or other devices capable of preventing erosion, migration of sediments and bank failure. All disturbed land surfaces and sloped areas must be stabilized and sloped with a minimum 3/1 slope upon project completion.
2. As proposed, a 2 ft. berm must be constructed and stabilized around the perimeter of the upland staging area to prevent incidental runoff during storm events.
3. The applicant must take all measures to ensure that the proposed project does not contribute to the further impairment of this waterbody. These measures shall include but are not limited to monitoring of the silt fence and berm around the parking lot/staging area to ensure that dredged sediments do not re-enter the marina basin and monitoring the elutriate water from the weir tank outfall to ensure the effluent from the dewatering process does not contain elevated levels of suspended solids.
4. The excavated area must be sloped such that the rear is no deeper than the front and the front is no deeper than the adjacent waterbody to maintain water circulation.
5. Dredging activities must avoid, to the greatest extent practicable, encroachment into any wetland/creek bank area not designated as impact areas. Wherever possible, a 10-foot setback must be placed between the dredged area and the marsh grass.
6. Dredging must be limited to the winter months (November 1 through March 30).
7. All excavated material from the first dredging event must be placed in W.W. West's property, as proposed. For all subsequent dredging events, the material must be placed in the Georgetown County Landfill.
8. Once the project is initiated, it must be carried to completion in an expeditious manner in order to minimize the period of disturbance to the environment.
9. All necessary measures must be taken to prevent oil, tar, trash, debris and other pollutants from entering the adjacent waters or wetlands.
10. The applicant must adhere to the modifications proposed in the correspondence dated September 27, 2006.

PERMITTEE'S ATTENTION IS DIRECTED TO GENERAL CONDITIONS NUMBERS FOUR (4) AND (5), BY ACCEPTANCE OF THIS PERMIT, PERMITTEE IS PLACED ON NOTICE THAT THE STATE OF SOUTH CAROLINA, BY ISSUING THIS PERMIT, DOES NOT WAIVE ITS RIGHTS TO REQUIRE PAYMENT OF A REASONABLE FEE FOR USE OF STATE LANDS AT A FUTURE DATE IF SO DIRECTED BY STATUTE.

THE PERMITTEE, BY ACCEPTANCE OF THIS PERMIT, AGREES TO ABIDE BY THE TERMS AND CONDITIONS CONTAINED HEREIN AND TO PERFORM THE WORK IN STRICT ACCORDANCE WITH THE PLANS AND SPECIFICATIONS ATTACHED HERETO AND MADE A PART HEREOF. ANY DEVIATION FROM THESE CONDITIONS, TERMS, PLANS AND SPECIFICATIONS SHALL BE GROUNDS FOR REVOCATION, SUSPENSION OR MODIFICATION OF THIS PERMIT AND THE INSTITUTION OF SUCH LEGAL PROCEEDINGS AS THE DEPARTMENT MAY CONSIDER APPROPRIATE.

2004-1R-218-P

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

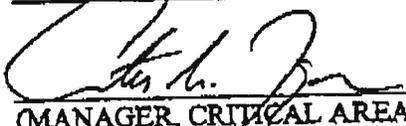


(PERMITTEE)
Marlin Quay Marina

November 3, 2006

(DATE)

This permit becomes effective when the State official, designated to act for the Office of Ocean and Coastal Resource Management, has signed below.



(MANAGER, CRITICAL AREA PERMITTING)
Curtis M. Joyner
or his Designee Other Authorized State Official

10/7/06

(DATE)

PLEASE SIGN AND RETURN

RECEIVED

NOV 6 2006

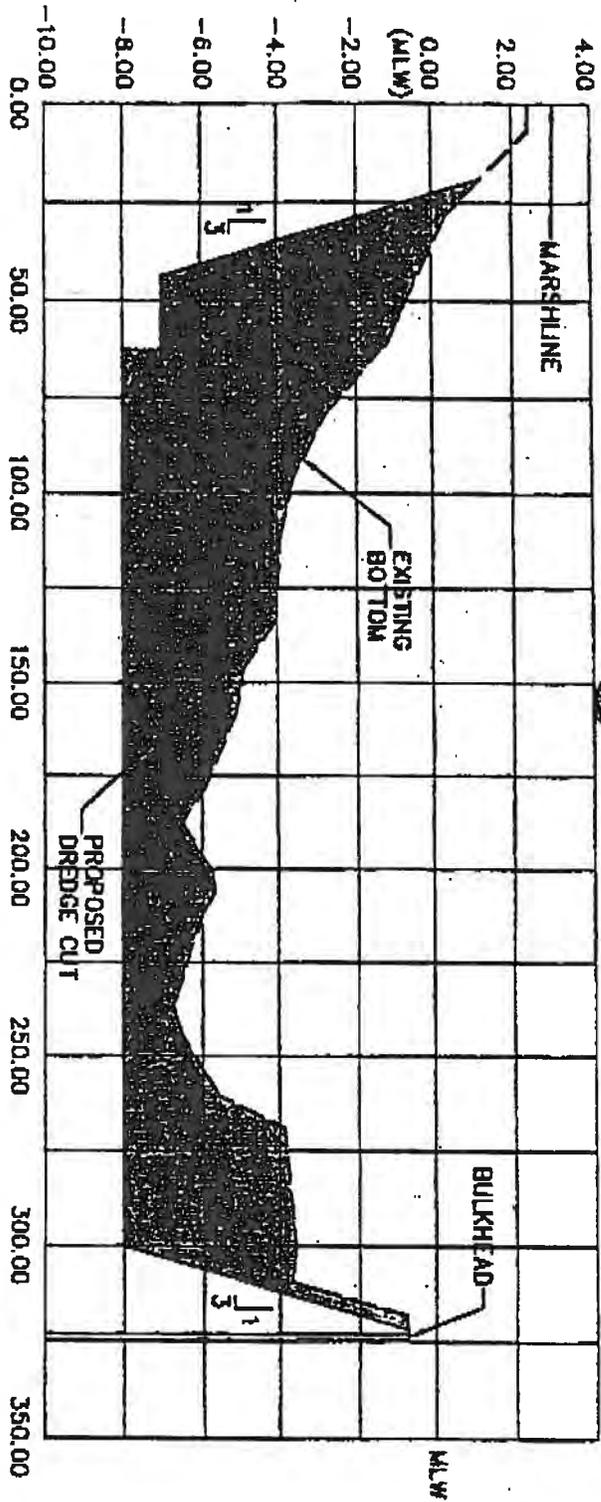
DHEC-OCRM
CHARLESTON OFFICE

GENERAL CONDITIONS:

This construction and use permit is expressly contingent upon the following conditions which are binding on the permittee:

1. That the permittee, in accepting this permit, covenants and agrees to comply with and abide by the provisions and conditions herein and assumes all responsibility and liability and agrees to save OCRM and the State of South Carolina, its employees or representatives, harmless from all claims of damage arising out of operations conducted pursuant to this permit.
2. That if the activity authorized herein is not constructed or completed within five years of the date of issuance, this permit shall automatically expire. A request, in writing, for an extension of time shall be made not less than sixty days prior to the expiration date.
3. That all authorized work shall be conducted in a manner that minimizes any adverse impact on fish, wildlife and water quality.
4. That this permit does not relieve the permittee from the requirements of obtaining a permit from the U. S. Army Corps of Engineers or any other applicable federal agency, nor from the necessity of complying with all applicable local laws, ordinances, and zoning regulations. This permit is granted subject to the rights of the State of South Carolina in the navigable waters and shall be subject, further, to all rights held by the State of South Carolina under the public trust doctrine as well as any other right the State may have in the waters and submerged lands of the coast.
5. That this permit does not convey, expressly or impliedly, any property rights in real estate or material nor any exclusive privileges; nor does it authorize the permittee to alienate, diminish, infringe upon or otherwise restrict the property rights of any other person or the public; nor shall this permit be interpreted as appropriating public properties for private use.
6. That the permittee shall permit OCRM or its authorized agents or representatives to make periodic inspections at any time deemed necessary in order to ensure that the activity being performed is in accordance with the terms and conditions of this permit.
7. That any abandonment of the permitted activity will require restoration of the area to a satisfactory condition as determined by OCRM.
8. That this permit may not be transferred to a third party without prior written notice to OCRM, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit and thereby agreeing to comply.
9. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and special signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.
10. That the permit construction placard or a copy of the placard shall be posted in a conspicuous place at the project site during the entire period of work.
11. That the structure or work authorized herein shall be in accordance with the plans and drawing attached hereto, and shall be maintained in good condition. Failure to build in accordance with the plans and drawings attached hereto, or failure to maintain the structure in good condition, shall result in the revocation of this permit.
12. That the authorization for activities or structures herein constitutes a revocable license. OCRM may require the permittee to modify activities or remove structures authorized herein if it is determined by OCRM that such activity or structures violates the public's health, safety, or welfare, or if any activity is inconsistent with the public trust doctrine. Modification or removal under this condition shall be ordered only after reasonable notice stating the reasons therefore and provision to the permittee of the opportunity to respond in writing. When the Permittee is notified that OCRM intends to revoke the permit, Permittee agrees to immediately stop work pending resolution of the revocation.
13. That OCRM shall have the right to revoke, suspend, or modify this permit in the event it is determined the permitted structure (1) significantly impacts the public health, safety and welfare, and/or is violation of Section 48-39-150, (2) adversely impacts public rights, (3) that the information and data which the permittee or any other agencies have provided in connection with the permit application is either false, incomplete or inaccurate, or (4) that the activity is not in compliance with the drawings submitted by the applicant. That the permittee, upon receipt of OCRM's written intent to revoke, suspend, or modify the permit has the right to a hearing. Prior to revocation, suspension, or modification of this permit, OCRM shall provide written notification of intent to revoke to the permittee, and permittee can respond with a written explanation to OCRM. (South Carolina Code Section 1-023-370 shall govern the procedure for revocation, suspension or modification herein described).
14. That any modification, suspension or revocation of this permit shall not be the basis of any claim for damages against OCRM or the State of South Carolina or any employee, agent, or representative of OCRM or the State of South Carolina.
15. That all activities authorized herein shall, if they involve a discharge or deposit into navigable waters or ocean waters, be at all times consistent with all applicable water quality standards, effluent limitations and standards of performance, prohibitions, and pretreatment standards established pursuant to applicable federal, state and local laws.
16. That extreme care shall be exercised to prevent any adverse or undesirable effects from this work on the property of others. This permit authorizes no invasion of adjacent private property, and OCRM assumes no responsibility or liability from any claims of damage arising out of any operations conducted by the permittee pursuant to this permit.

DEPTH RELATIVE TO MEAN LOW WATER



SEE SPECIAL CONDITIONS(S)



LEGEND

AREA OF PROPOSED DREDGING

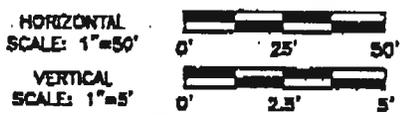
PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
SEE ATTACHED LIST

SURVEY DATUM: MLW

2004-12-218

FIGURE 3
CROSS SECTION A-A'



MARLIN QUAY MARINA
1806 S. WACCANAW DRIVE
GARDEN CITY BEACH, SC 29576

PROPOSED: MAINTENANCE DREDGING

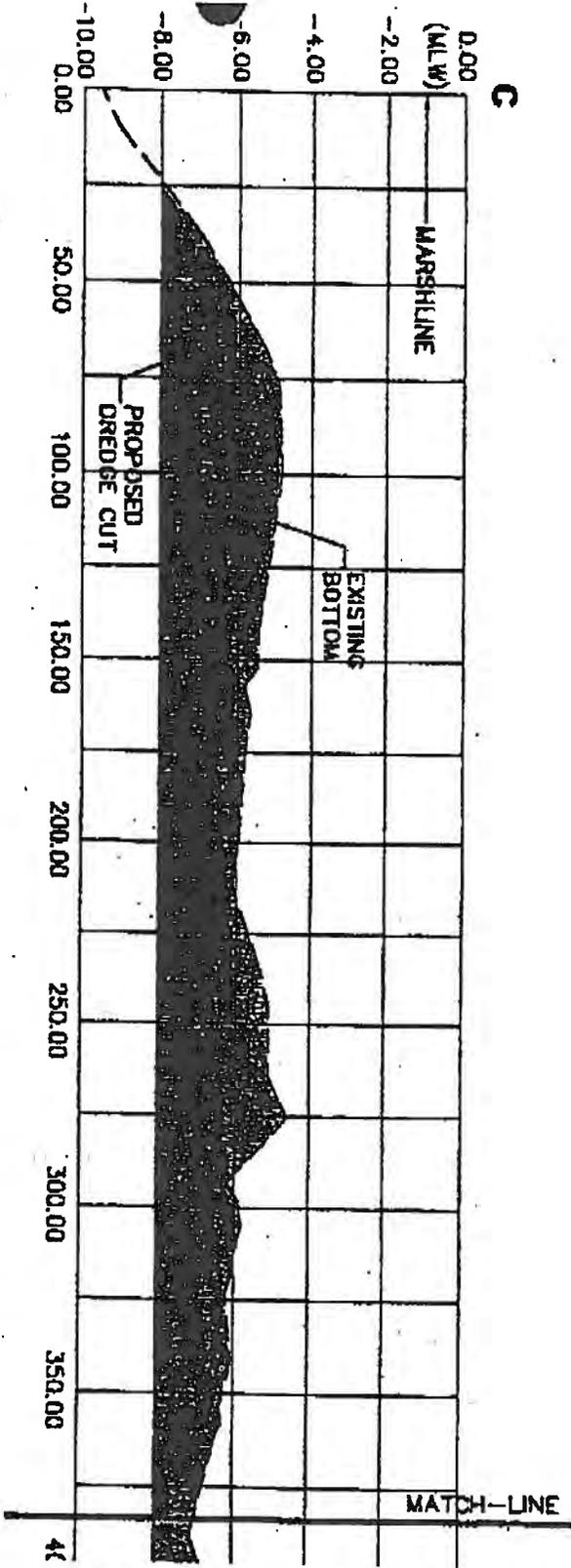
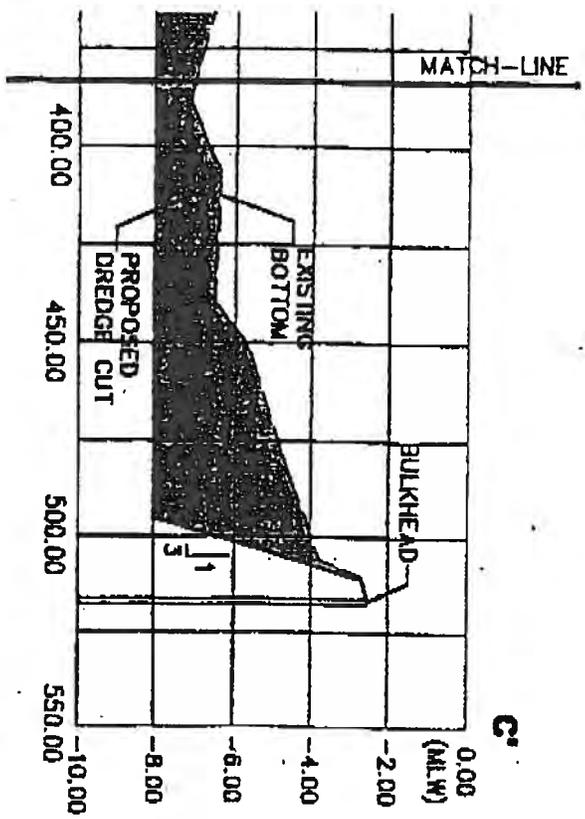
AT: MARLIN QUAY MARINA

IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
SOUTH CAROLINA

SHEET: 15-CE-2

DATE: 6/21/04



**SEE SPECIAL
CONDITIONS (C)**

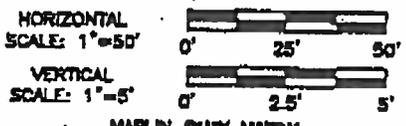
LEGEND
 AREA OF PROPOSED DREDGING

PURPOSE: MAINTAIN SAFE OPERATING DEPTHS

ADJACENT PROPERTY OWNERS
 SEE ATTACHED LIST

SURVEY DATUM: M.L.W.
 2004-12-218

**FIGURE 5
 CROSS SECTION C-C'**



MARLIN QUAY MARINA
 1508 S. WACCAMAW DRIVE
 GARDEN CITY BEACH, SC 29578

PROPOSED: MAINTENANCE DREDGING

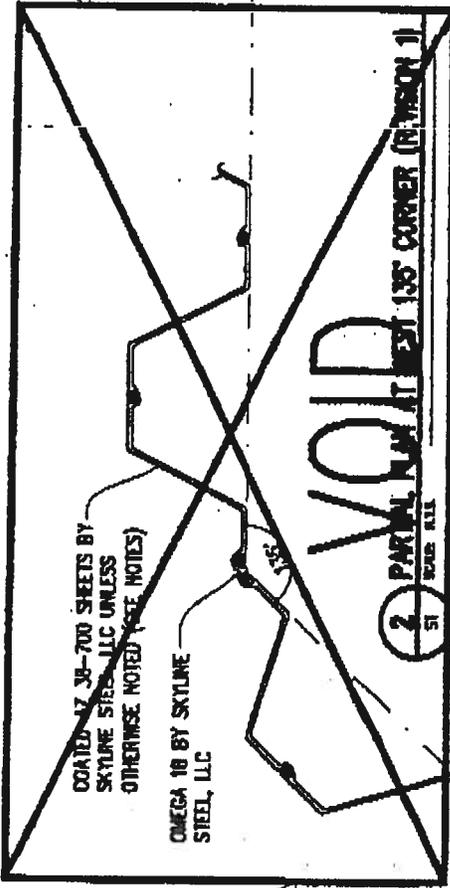
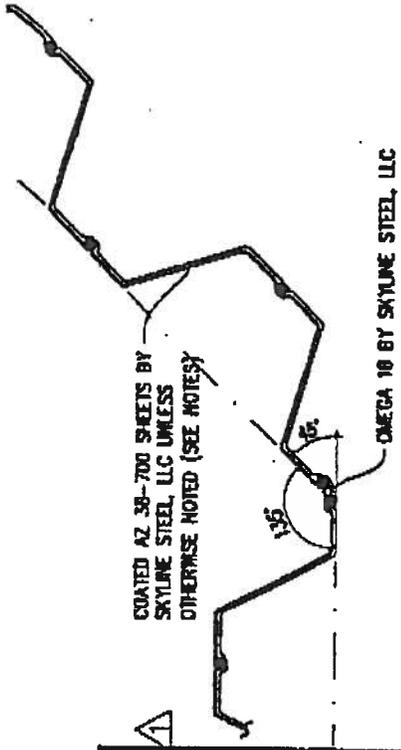
AT: MARLIN QUAY MARINA

IN: MAIN CREEK

COUNTY OF: GEORGETOWN,
 SOUTH CAROLINA

SHEET: 8 OF 9

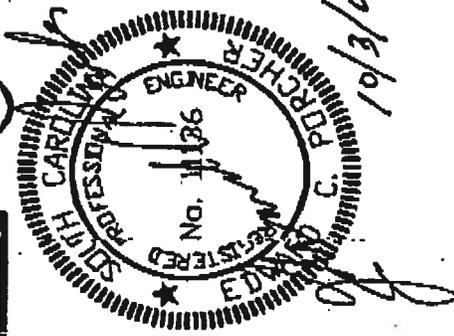
DATE: 8/21/04



3 PARTIAL PLAN AT EAST 135° CORNER (REVISION 1)
SI 51

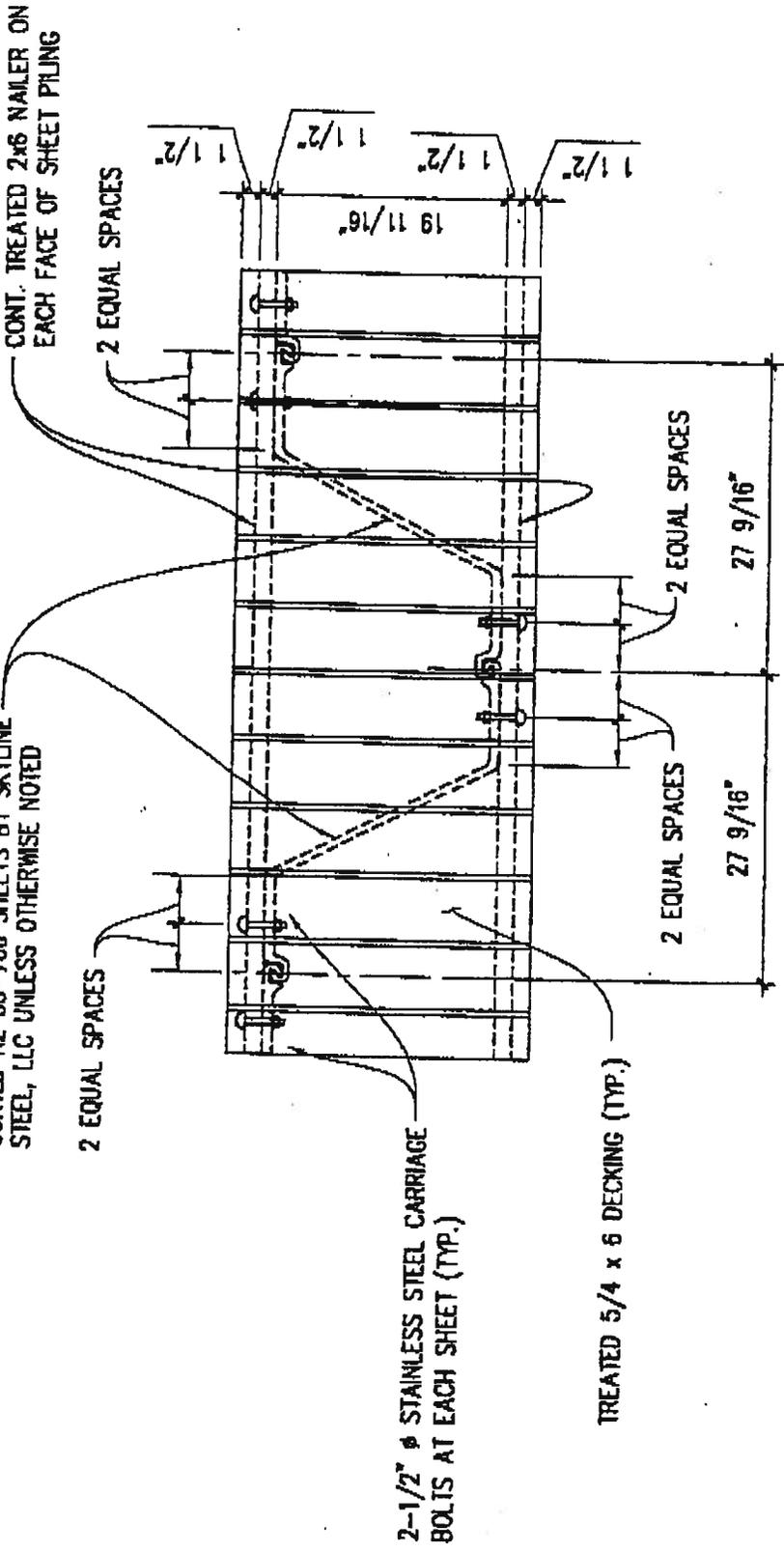
2 PARTIAL PLAN AT EAST 135° CORNER (REVISION 1)
SI 51

SEE SPECIAL CONDITIONS(S)



Pop 15 of 19

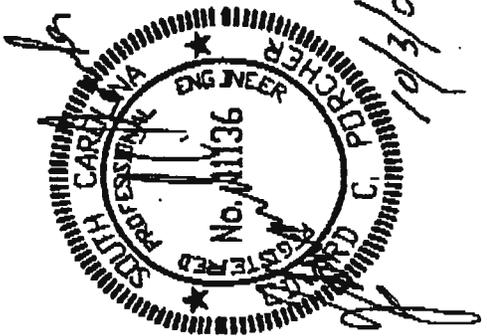
VARIED RZ JOIST SHELL IS BY SKYLINE STEEL, LLC UNLESS OTHERWISE NOTED



5 PARTIAL PLAN AT WOOD CAP ON TOP OF BULKHEAD/BREAKWATER (REVISION 1)

SCALE: N.T.S.

SEE SPECIAL CONDITIONS (3)



9/3/21

MARINA COLONY BOAT CLUB

US Army Corps of Engineers
Permit

Expires
31 Dec 17

DEPARTMENT OF THE ARMY PERMIT

Permittee: Marina Colony Boat Club, Inc
C/O Andy Fowler
126 N. Colt Street
Florence, SC 29501

Permit No: SAC# 2003-13157-3B

Issuing Office: CHARLESTON DISTRICT

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:

The work consists of dredging material from waters of the U.S. to provide adequate water depth for navigation in accordance with the attached drawing sheets 1-12 of 12 entitled: "MARINA COLONY BOAT CLUB MAINTENANCE DREDGING", dated August 27, 2008 and revised September 1, 2009.

Project Location:

The project site is located in the Marina Colony marina basin off Main Creek in Georgetown County, South Carolina. (Latitude 33.562076 N, Longitude -79.029153W).

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on **31 DECEMBER 2017**. 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 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 quality 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:

SEE PAGE 4.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Section 404 of the Clean Water Act (33 U.S.C. 1344).

Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

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 project.

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 to 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.

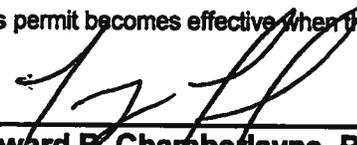
6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable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

October 25, 2012
(DATE)

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


Edward P. Chamberlayne, P.E.
Lieutenant Colonel, U.S. Army
Commander and District Engineer
or his designee
Tommy Fennel
Chief, Northeast Branch

30 October 2012
(DATE)

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. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEEE)
Special Conditions:

(DATE)

Special Conditions:

- A. The permittee agrees to provide all contractors associated with construction of the authorized activity a copy of the permit and drawings. A copy of the permit must be available at the construction site at all times.
- B. The permittee shall submit a signed compliance certification to the Corps within 60 days following completion of the authorized work and any required mitigation. The certification will include:
 - 1. A copy of this permit;
 - 2. A statement that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions;
 - 3. A statement that any required mitigation was completed in accordance with the permit conditions;
 - 4. The signature of the permittee certifying the completion of the work and mitigation.
- C. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- D. Use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the U.S.
- E. The permittee must have a copy of this permit available on the vessel used for the authorized transportation and disposal of dredged material.
- F. The permittee agrees to conduct the work authorized herein in a manner that will not prevent or interfere with full and free use of the adjacent or nearby navigable waters of the United States by the boating public.
- G. The permittee must contact the United States Coast Guard to ascertain and assist in the issuance of a Notice to Mariners advising the boating public of the place and time that the dredging activity will be occurring.
- H. The permittee is responsible for properly installing and providing appropriate warning and marking devices to alert the boating public of any dangers (such as cables, anchors, buoys and other appurtenances) associated with the proposed dredging activity. All warning and marking devices must be marked and installed in accordance with United States Coast Guard standards.
- I. The permittee agrees to contact the Boating Division of the South Carolina Department of Natural Resources to advise them of the place and time that the dredging activity will be occurring. The permittee will solicit any information that the Department may have on local boating traffic patterns and activities in the project area. Such information will be used to facilitate dredging plant and appurtenances setup and operation to ensure safe navigation through the area of work.
- J. All excavated material must be discharged and properly contained in the designated upland disposal

area.

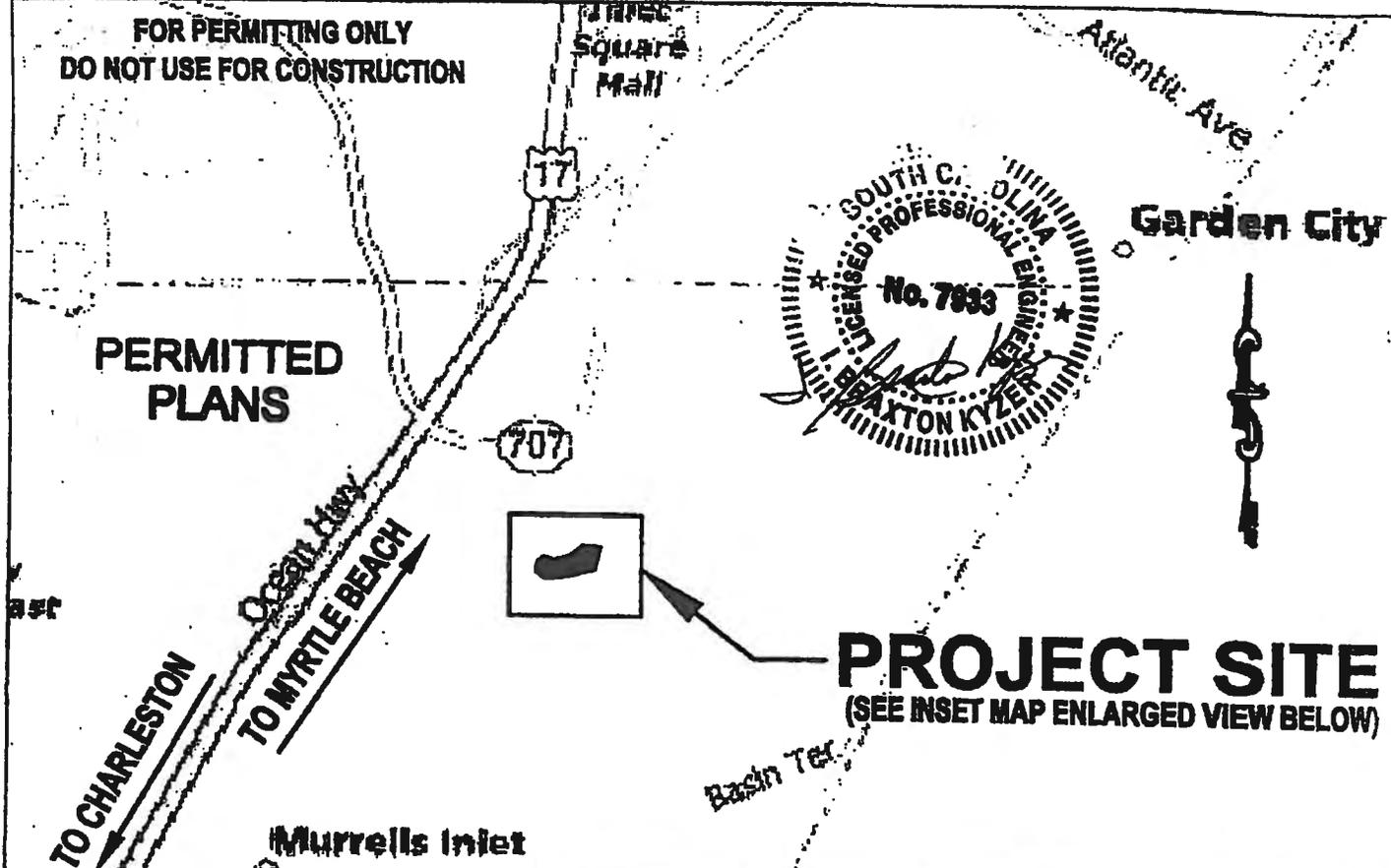
- K. No placement or stockpiling of excavated material in Waters of the U.S. (double handling), or drainage of spoil discharge into Waters of the U.S. (runback) is authorized.
- L. That all dredged material is discharged and properly contained in the designated upland disposal area. The upland disposal area (Geotubes) shall be enclosed with silt fencing and hay bales. Silt fencing must be adequately anchored, with the bottom edge securely entrenched to prevent unfiltered releases of return water into waters of the United States. At the beginning of operations each morning and every four(4) hours thereafter until the completion of work that day, an inspection must be performed to ensure the silt fence's integrity. If the silt fence is damaged, all disposal activity must immediately cease until the silt fence is repaired or replaced. A log of these inspections must be maintained on site and ready for review by this office at any time.
- M. That prior to the commencement of any dredging authorized by this permit, the permittee agrees to install a floating silt curtain that shall enclose the entire dredging area, including parallel to the shoreline, between the dredge area and the shoreline vegetation. The curtain must include absorbent material to catch oil, creosote, and flotsam, to minimize the migration of suspended particles, and contain turbidity. Further, the silt curtain must have adequate positioning and anchoring devices to assure its performance and be adequately marked to insure safe navigation in the area. The bottom must be maintained to prevent its migration during various phases of tide and wave action. At the beginning of operations each morning and every four(4) hours thereafter until the completion of work that day, an inspection must be performed by the inspector on the silt curtain to insure its integrity. If the curtain is damaged, all dredging activity must immediately cease until the silt curtain is repaired or replaced. A log of these inspections must be maintained on site and ready for review by this office at any time.
- N. The permittee agrees to establish a setback of at least fifteen (15') feet between the marsh and the nearest dredge cut.
- O. Provided that the area to be dredged is sloped so that the rear is no deeper than the front which is no deeper than the adjacent waterway.
- P. The permittee agrees to cap the dredged material at its final resting place (Georgetown County Landfill).
- Q. That the permittee must notify this office if Native American archaeological sites are discovered during the construction of the proposed work.
- R. Provided that dredging is limited, when possible, to the winter months (December 1 through March 30).

FOR PERMITTING ONLY
DO NOT USE FOR CONSTRUCTION

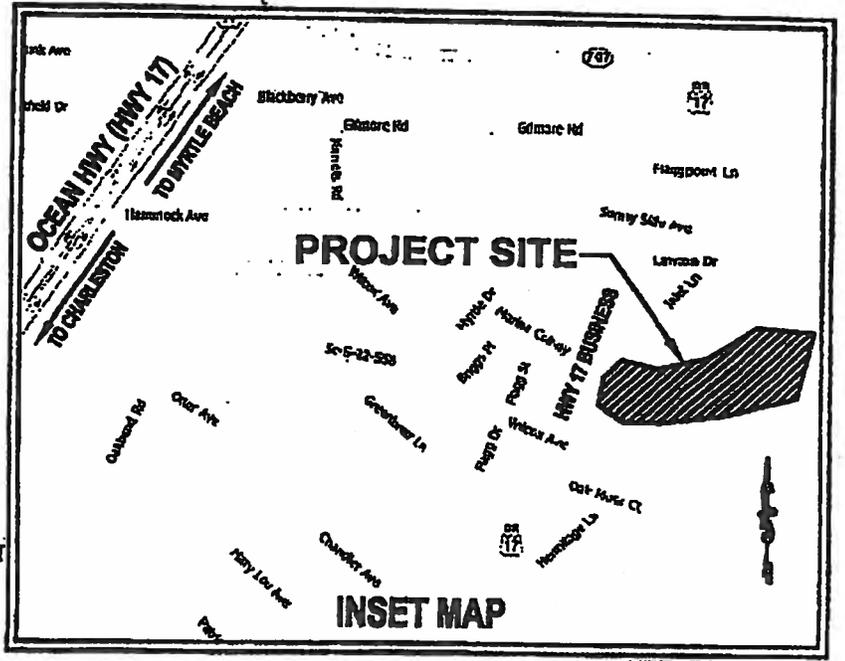
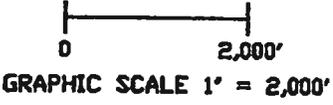
PERMITTED
PLANS



Garden City



PROJECT SITE
(SEE INSET MAP ENLARGED VIEW BELOW)



LOCATION MAP

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.

REVISION DATE: (9-01-09)
REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

MAPS BY: MAPQUEST

SAC# 2003-13157-3B

<p>PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING</p>	<p>PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.</p>	<p>OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145</p>
<p>CITY/TOWN- MURRELLS INLET RIVER/WATER BODY- MAIN CREEK COUNTY- GEORGETOWN STATE- S.C.</p>		

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION



PERMITTED PLANS

PROJECT SITE

ATLANTIC OCEAN

BROOKGREEN QUAD SHEET

LATITUDE: 33.582 DEG.
LONGITUDE: 79.0129 DEG.

GRAPHIC SCALE 1" = 2,000'
SAC# 2003-13157-3B

QUAD MAP

REVISION DATE: (9-01-09)
REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN- MURRELLS INLET RIVER/WATER BODY- MAIN CREEK
COUNTY- GEORGETOWN STATE- S.C.

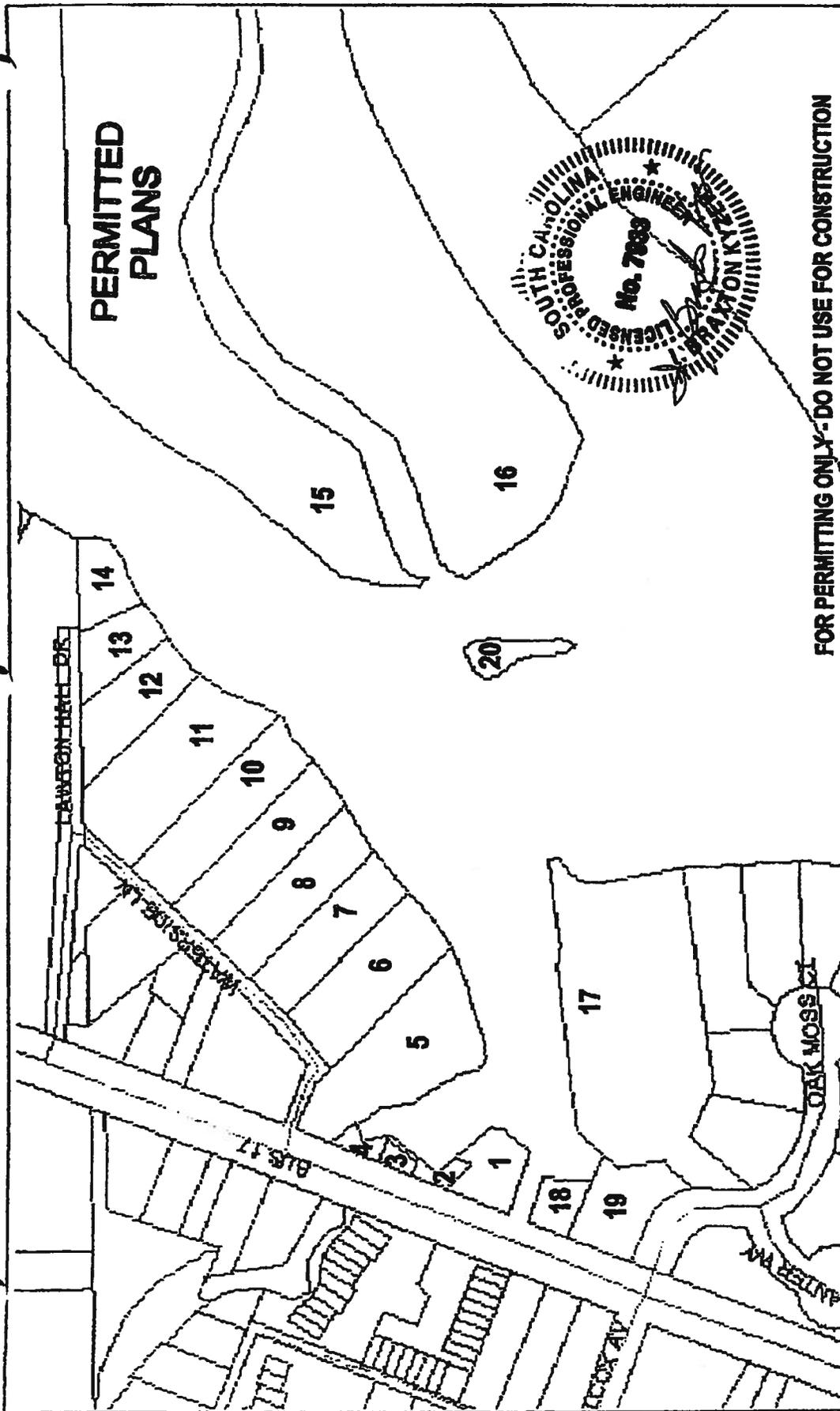
PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER - MARINA COLONY BOAT CLUB
AGENT - BEAM & ASSOCIATES
P.O. BOX 11863
COLUMBIA, SC 29211-1863
PHONE: (843) 814-7145

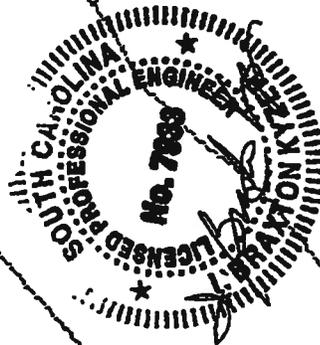
DATE- 08/27/08
Bid# 16-043, Addendum 01

REVISION DATE- 09/01/09
PAGE- 2 OF 12
Georgetown County, South Carolina

SCALE- 1" = 2,000'
Page 48 of 77

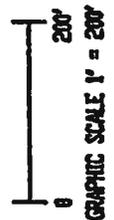


**PERMITTED
PLANS**



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REVISION DATE: (9-01-09)
 REVISE NOTES AND DETAILS FOR
 CLARIFICATION ON GEOTUBE LAYDOWN
 AREA; SEE PAGE 10-R AND 11-R.
 ADD SHEET 12 OF 12 TO SHOW
 FLASHBOARD RISER DETAILS.



ADJACENT PROPERTY OWNERS MAP
 (SEE ATTACHED SHEETS FOR NAMES AND ADDRESSES)

LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0129 DEG.

SAC# 2003-13157-38

PROPOSED ACTIVITY: -
 MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE
 BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

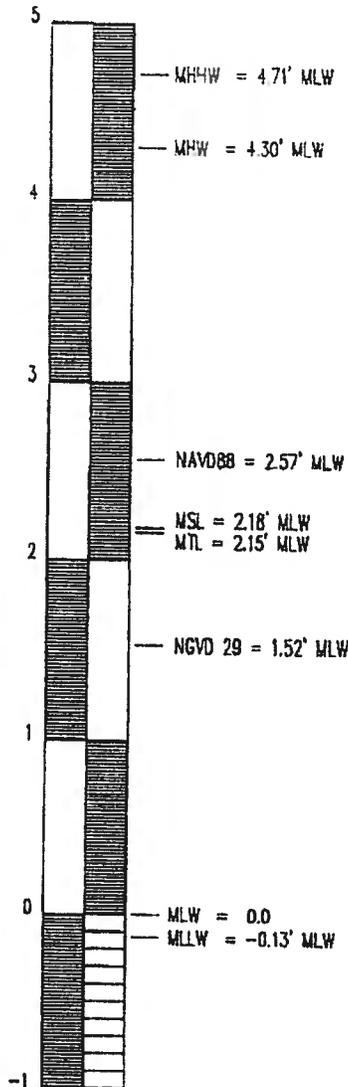
PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
 CITY/TOWN: MURRELLS INLET RIVER/WATER BODY: MAIN CREEK
 COUNTY: GEORGETOWN STATE: S.C.

OWNER: MARINA COLONY BOAT CLUB, INC.
 AGENT: BEAM & ASSOCIATES COLUMBIA, SC 29211-1863
 P.O. BOX 11863 PHONE: (843) 614-7145

DATE: 08/27/08 REVISION DATE: 09/01/09 PAGE: 3 OF 12 SCALE: 1" = 200'

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

PERMITTED
PLANS



DATUM
RELATIONSHIPS

TIDE SCALE

REVISION DATE: (9-01-09)

REVISE NOTES AND DETAILS FOR
CLARIFICATION ON GEOTUBE LAYDOWN
AREA; SEE PAGE 10-R AND 11-R.
ADD SHEET 12 OF 12 TO SHOW
FLASHBOARD RISER DETAILS.



LATITUDE: 33.562 DEG.

LONGITUDE: 79.0129 DEG.

SAC# 2003-13157-3B

NOT TO SCALE

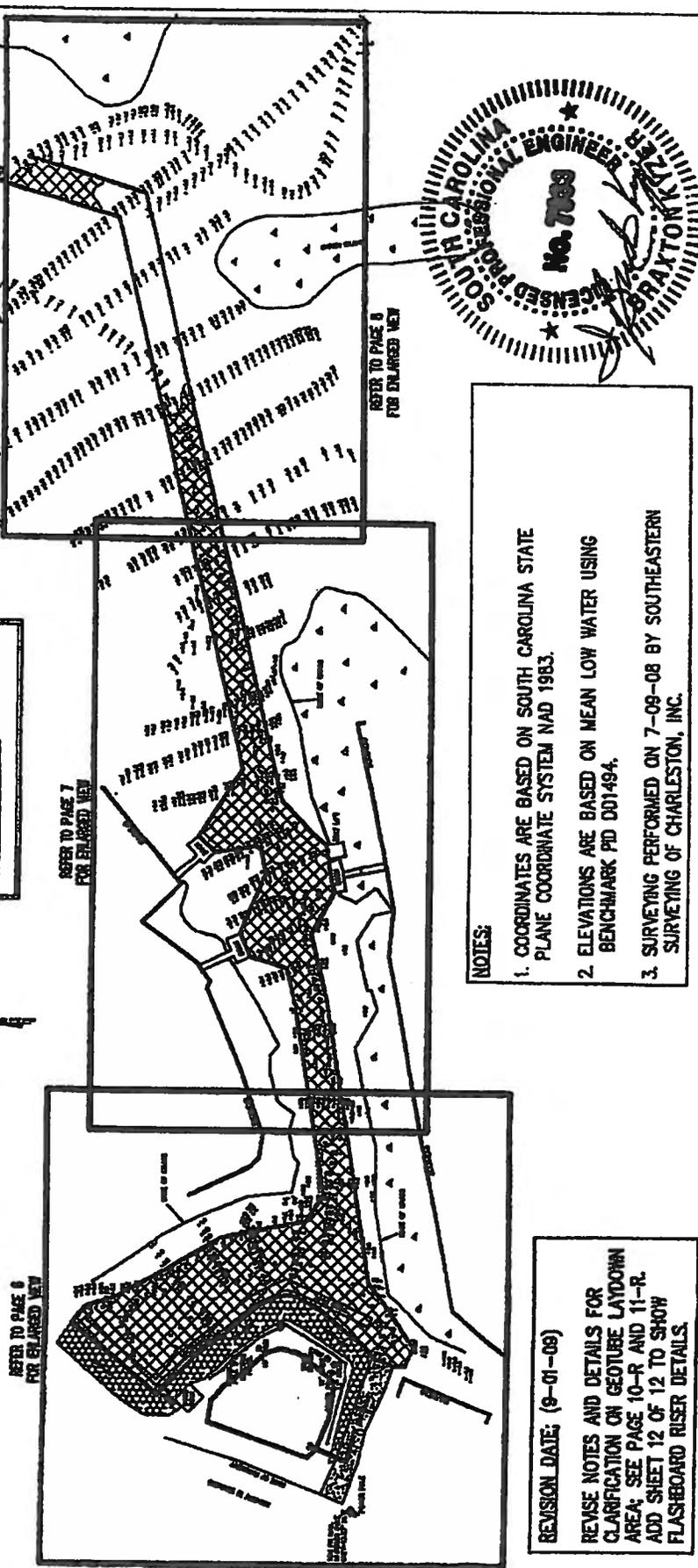
PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING		PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
CITY/TOWN- MURRELLS INLET COUNTY- GEORGETOWN	RIVER/WATER BODY- MAIN CREEK STATE- S.C.	DATE- 08/27/08 REVISION DATE- 09/01/09 PAGE- 4 OF 12	NOT TO SCALE Page 50 of 77

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

PERMITTED PLANS

LEGEND

PROPOSED DREDGING



REFER TO PAGE 6 FOR ENLARGED VIEW

REFER TO PAGE 7 FOR ENLARGED VIEW

REFER TO PAGE 8 FOR ENLARGED VIEW

NOTES:

1. COORDINATES ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD 1983.
2. ELEVATIONS ARE BASED ON MEAN LOW WATER USING BENCHMARK PID DD1494.
3. SURVEYING PERFORMED ON 7-09-08 BY SOUTHEASTERN SURVEYING OF CHARLESTON, INC.

REVISION DATE: (9-01-09)
 REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0129 DEG.

SAC# 2003-13157-3B

GRAPHIC SCALE 1" = 100'

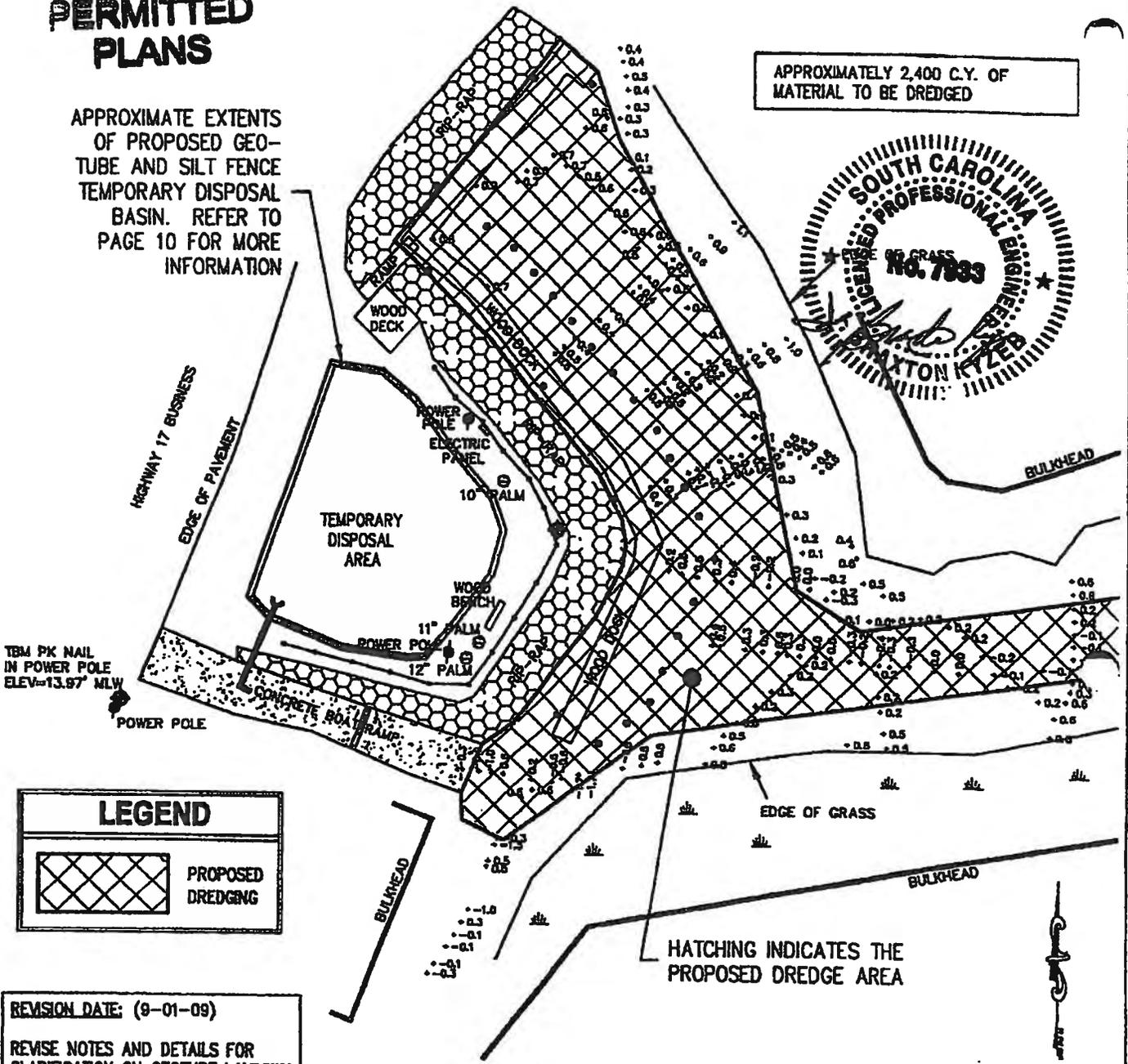
KEY SHEET

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING CITY/TOWN: MURRELLS INLET COUNTY: GEORGETOWN STATE: SC	PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER: MARINA COLONY BOAT CLUB, INC. AGENT: BEAM & ASSOCIATES COLUMBIA, SC 29211-1863 P.O. BOX 11863 PHONE: (843) 814-7145
REVISION DATE: 09/01/09 DATE: 08/27/08	PAGE: 5 OF 12 SCALE: 1" = 100'	

PERMITTED PLANS

APPROXIMATE EXTENTS OF PROPOSED GEOTUBE AND SILT FENCE TEMPORARY DISPOSAL BASIN. REFER TO PAGE 10 FOR MORE INFORMATION

APPROXIMATELY 2,400 C.Y. OF MATERIAL TO BE DREDGED



LEGEND

 PROPOSED DREDGING

REVISION DATE: (9-01-09)

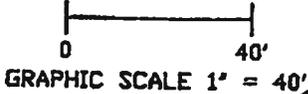
REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

HATCHING INDICATES THE PROPOSED DREDGE AREA

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.



SAC# 2003-13157-3B

<p>PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING</p>	<p>PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.</p>	<p>OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145</p>
<p>CITY/TOWN- MURRELLS INLET RIVER/WATER BODY- MAIN CREEK COUNTY- GEORGETOWN STATE- S.C.</p>		
<p>DATE- 08/27/08 <small>Bid# 16-043, Addendum 01</small></p>	<p>REVISION DATE- 09/01/09 <small>Georgetown County, South Carolina</small></p>	<p>PAGE- 6 OF 12</p>
<p>SCALE- 1" = 40' <small>Page 32 of 177 = 40'</small></p>		

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

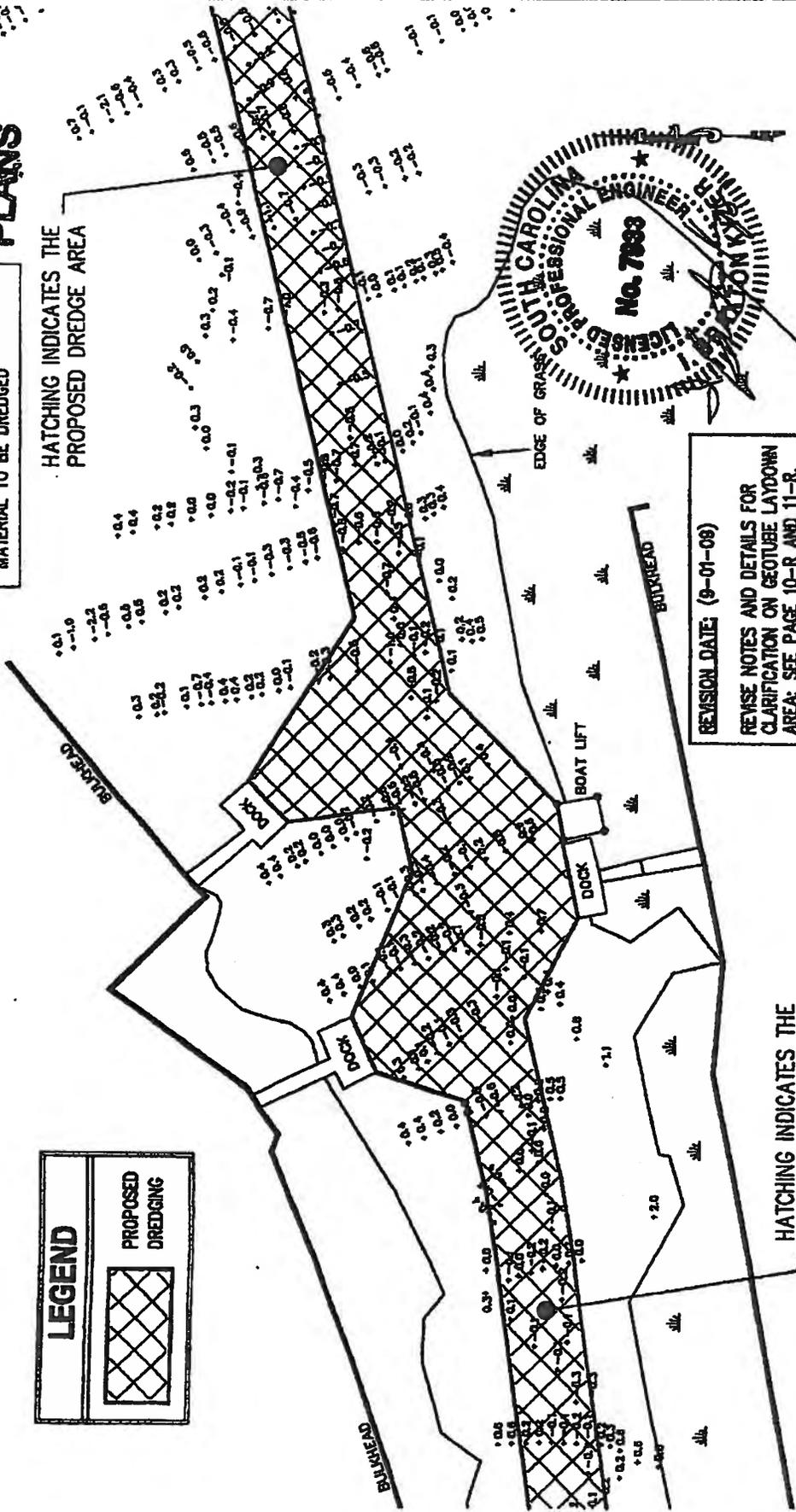
PERMITTED PLANS

APPROXIMATELY 2,400 C.Y. OF MATERIAL TO BE DREDGED

LEGEND

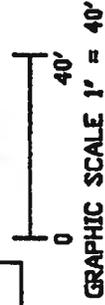
PROPOSED DREDGING

HATCHING INDICATES THE PROPOSED DREDGE AREA



REVISION DATE: (9-01-08)
 REVERSE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYOUT AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

HATCHING INDICATES THE PROPOSED DREDGE AREA



EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0129 DEG.
 Sheet 2-003 - 3157 - 315

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING CITY/TOWN: MURRELLS INLET COUNTY: GEORGETOWN STATE: S.C.	PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER: MARINA COLONY BOAT CLUB, INC. AGENT: BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
DATE: 08/27/08 REVISION DATE: 09/01/09	PAGE: 7 OF 12 SCALE: 1" = 40'	

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

HATCHING INDICATES PROPOSED DREDGE AREA

HATCHING INDICATES THE PROPOSED DREDGE AREA

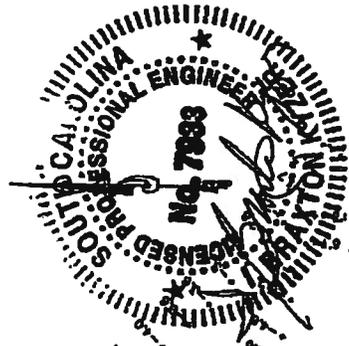
PERMITTED PLANS

REVISION DATE: (9-01-09)

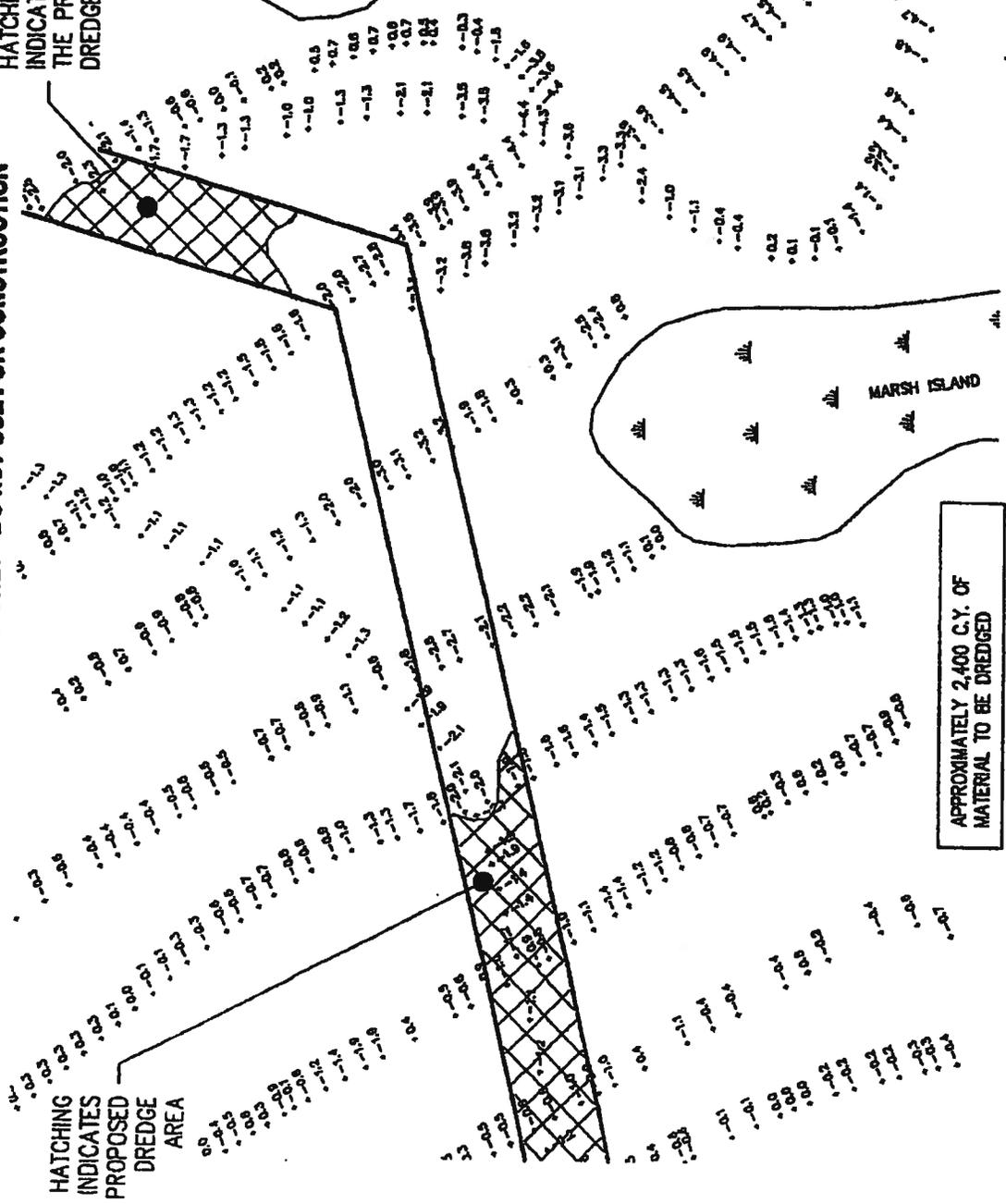
REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

LEGEND

PROPOSED DREDGING



0 40' GRAPHIC SCALE 1" = 40'



APPROXIMATELY 2,400 C.Y. OF MATERIAL TO BE DREDGED

EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0129 DEG.
 SACS# 2003-13157-36

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN: MURRELLS INLET **RIVER/WATER BODY:** MAIN CREEK
COUNTY: GEORGETOWN **STATE:** S.C.

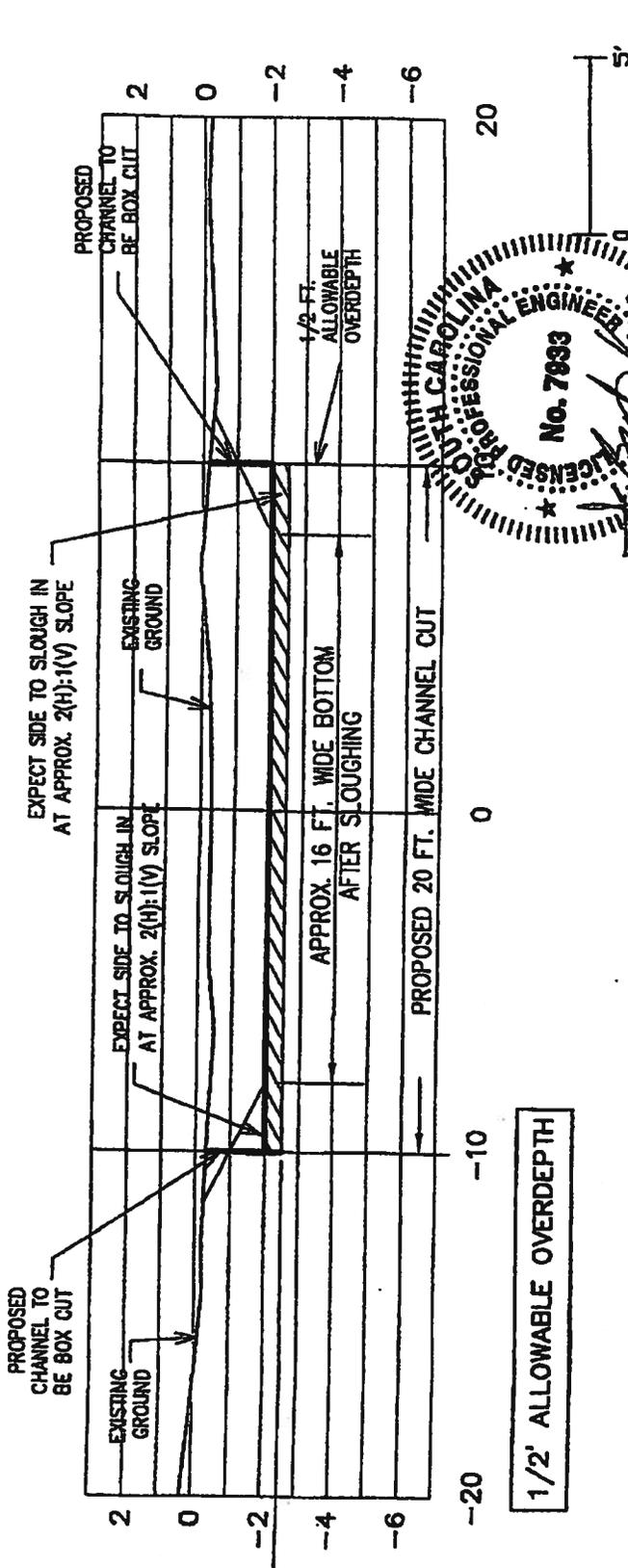
PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER: MARINA COLONY BOAT CLUB, INC.
AGENT: BEAM & ASSOCIATES
 P.O. BOX 11883 COLUMBIA, SC 29211-1863
 PHONE: (843) 81-1515

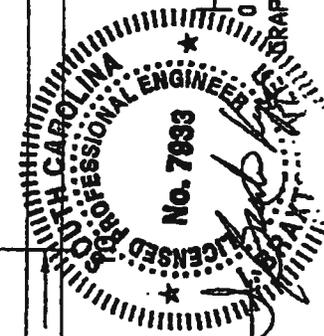
FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

PERMITTED PLANS

TYPICAL SECTION - 20 FT. WIDE, 2.0 FT. DEEP CHANNEL



1/2' ALLOWABLE OVERDEPTH



REVISION DATE: (9-01-09)
 REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

PROPOSED DREDGE CHANNEL - TYPICAL SECTION

LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0129 DEG.
 SAC# 2-203-13157-3β

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING	PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	PAGE: 9 OF 12	SCALE: 1" = 5'
CITY/TOWN: MURRELLS INLET	RIVER/WATER BODY: MAIN CREEK	REVISION DATE: 09/01/09	
COUNTY: GEORGETOWN	STATE: S.C.	DATE: 08/27/08	

OWNER: MARINA COLONY BOAT CLUB, INC.
 AGENT: BEAM & ASSOCIATES
 P.O. BOX 11863
 COLUMBIA, SC 29211-1863
 PHONE: (843) 814-7145

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

APPROXIMATE EXTENTS OF
TEMPORARY DISPOSAL AREA
REFER TO PAGE 11 FOR SECTION
A-A AND MORE INFORMATION
ON THE PROPOSED TEMPORARY
DISPOSAL BASIN

REFER TO PAGE 11
FOR SECTION A-A

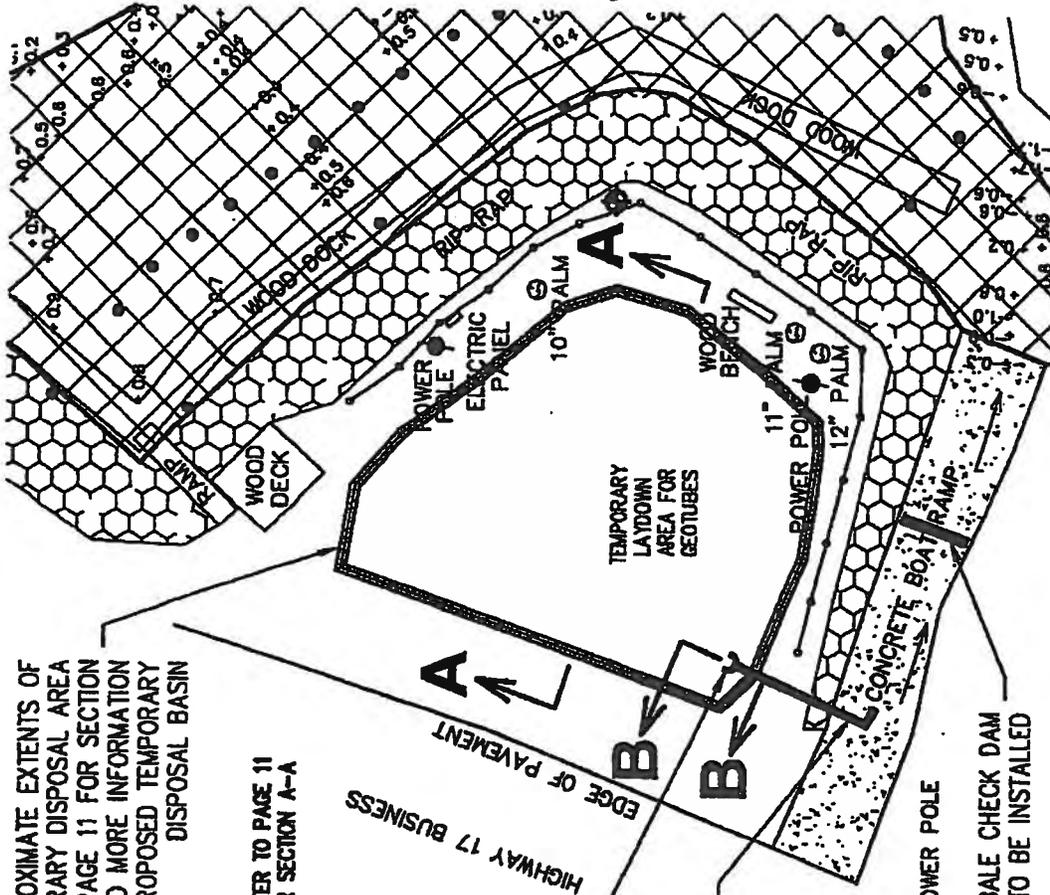
APPROXIMATELY 2,400 C.Y.
OF DREDGE MATERIAL TO BE
TEMPORARILY STORED IN THE
TEMPORARY DISPOSAL BASIN.
ONCE SUFFICIENTLY DRIED, MATERIAL
WILL BE HAULED
FROM SITE.

4 FT. WIDE BY 4 FT.
HIGH FLASHBOARD RISER
(SEE PAGE 12 FOR DETAILS)

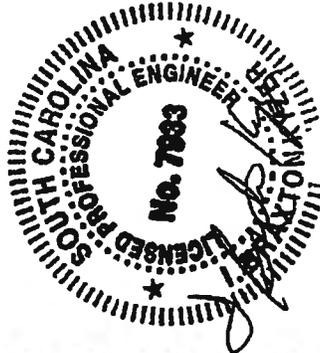
12" DIA. OUTFLOW PIPE TO ROUTE
EXCESS WATER TO THE EXISTING
CONCRETE BOAT RAMP. OUTFLOW
TO RETURN TO WATER.

TBM PK NAIL
IN POWER POLE
ELEV=13.97' MLW

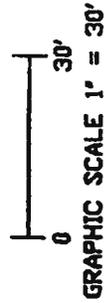
HAY BALE CHECK DAM
TO BE INSTALLED



**PERMITTED
PLANS**



REVISION DATE: (9-01-09)
REVERSE NOTES AND DETAILS FOR
CLARIFICATION ON GEOTUBE LAYDOWN
AREA; SEE PAGE 10-R AND 11-R.
ADD SHEET 12 TO SHOW
FLASHBOARD RISER DETAILS.



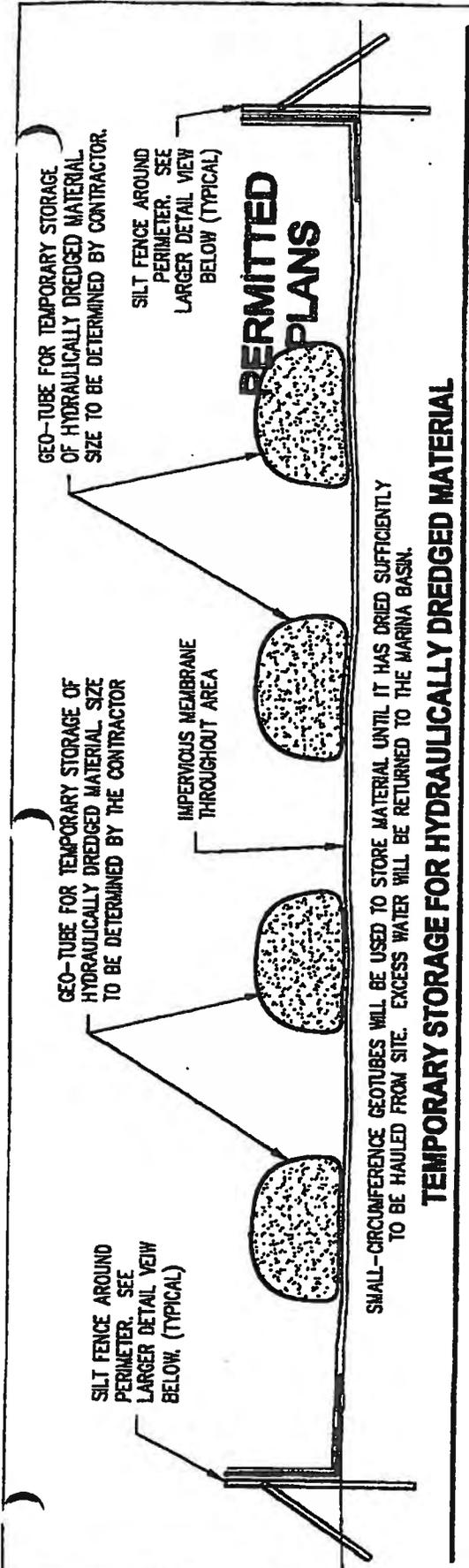
DISPOSAL BASIN PLAN VIEW

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.
SAC# 2003-13157-3B

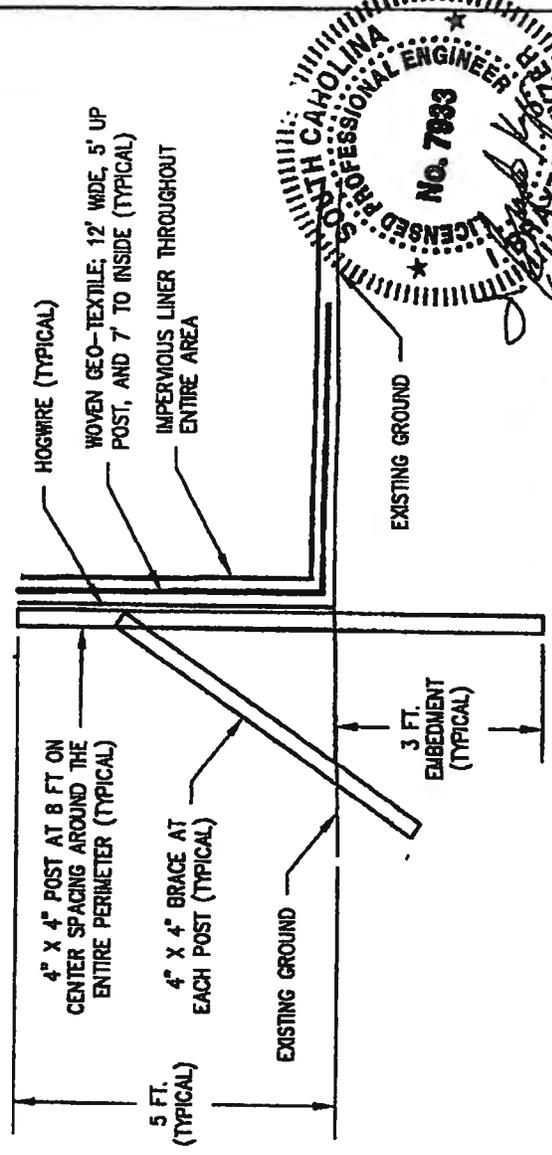
PROJECT NAME: **MARVA COLONY BOAT CLUB MAINTENANCE DREDGING**
CITY/TOWN: **MURRELLS INLET** RIVER/WATER BODY: **MAN CREEK**
COUNTY: **GEORGETOWN** STATE: **S.C.**

PROPOSED ACTIVITY -
MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE
BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER - **MARVA COLONY BOAT CLUB, INC.**
AGENT -
BEAM & ASSOCIATES COLUMBIA, SC 29211-1863
P.O. BOX 11863 PHONE: (843) 814-1115

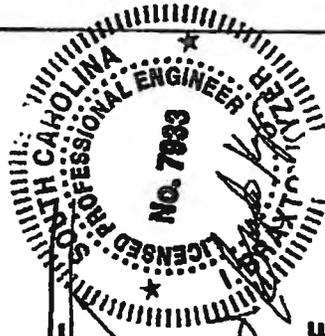


TEMPORARY STORAGE FOR HYDRAULICALLY DREDGED MATERIAL



**FOR PERMITTING ONLY
DO NOT USE FOR CONSTRUCTION**

TYPICAL SECTION THROUGH DIKE



REVISION DATE: (9-01-09)
REVISE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.

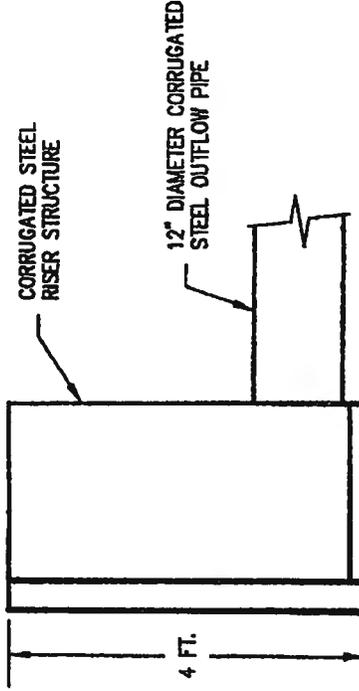
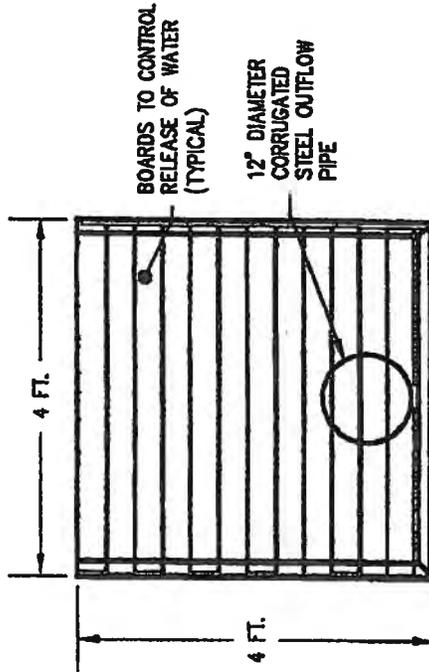
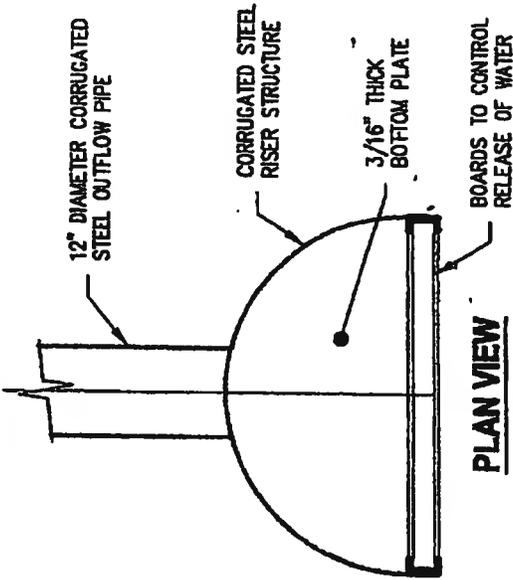
LATITUDE: 33.562 DEG. LONGITUDE: 79.0129 DEG. *Scale 200.3 - 134.57 - 38*
TYPICAL SECTION THROUGH DIKE - (SECTION A-A)
 NOT TO SCALE

OWNER: MARINA COLONY BOAT CLUB, INC.	PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.
AGENT: BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145	
PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING	REVISION DATE: 09/01/09
CITY/TOWN: MURRELLS INLET	PAGE: 11-R OF 12
COUNTY: GEORGETOWN STATE: S.C.	NOT TO SCALE
DATE: 08/27/08	

DO NOT USE FOR CONSTRUCTION

PERMITTED PLANS

REVISION DATE: (9-01-09)
REVERSE NOTES AND DETAILS FOR CLARIFICATION ON GEOTUBE LAYDOWN AREA; SEE PAGE 10-R AND 11-R. ADD SHEET 12 OF 12 TO SHOW FLASHBOARD RISER DETAILS.



FRONT ELEVATION

SECTION B-B

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.

FLASHBOARD RISER DETAILS

SAC# 2003-13157-38

NOT TO SCALE

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN: MURRELLS INLET RIVER/WATER BODY: MAIN CREEK
COUNTY: GEORGETOWN STATE: S.C.

PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER: MARINA COLONY BOAT CLUB, INC.
AGENT: BEAM & ASSOCIATES
P.O. BOX 11863 COLUMBIA, SC 29211-1863
PHONE: (843) 814-7145

DATE: 08/27/08

REVISION DATE: 09/01/09

PAGE: 12 OF 12

NOT TO SCALE

MARINA COLONY BOAT CLUB

SC DHEC/OCRM

Permit

Expires

22 Dec 16



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

CRITICAL AREA & WATER QUALITY CERTIFICATION PERMIT

Permittee: Marina Colony Boat Club Inc
Permit Number: 2003-13157-3IC(08)
Date of Issuance: December 22, 2011
Expiration Date: December 22, 2016
Location: On and adjacent to Main Creek at Hwy 17 Business, Murrells Inlet, Georgetown County, South Carolina.

**SEE SPECIAL
CONDITION(S)**

This permit/certification is issued under the provisions of 25A S.C. Code Ann. Regs. 61-101 (Supp. 2005), *et seq.*, and 23A S.C. Code Ann. Regs. 30-1 through 30-18 (Supp. 2005). Additionally, as required by R.61-101, Department staff have reviewed plans for this project and determined there is a reasonable assurance the project will be conducted in a manner consistent with Certification requirements of Section 401 of the Clean Water Act. We also certify that this project, subject to the indicated conditions, is consistent with applicable provisions of Section 303 of the Clean Water Act, as amended, that there are no applicable effluent limitations under Sections 301(b) and 302, and that there are no applicable standards under Sections 306 and 307.

This permit contains required certification pursuant to Section 401 of the Clean Water Act. Work may not commence under this permit until thirty (30) days after final signature by an OCRM official. **PLEASE CAREFULLY READ THE ENCLOSED "NOTICE OF APPEAL PROCEDURE."**

Please carefully read the project description and any special conditions, which may appear on this permit/certification, as they will affect the work that is allowed. If there are no special conditions, then the work is authorized as described in the project description and as modified by general conditions. The general conditions are also a part of this permit/certification and should be read in their entirety. The S. C. Contractor's Licensing Act of 1999, enacted as Section 40-11-5 through 430, requires that all construction with a total cost of \$5,000 or more be performed by a licensed contractor with a valid contractor's license for marine class construction, except for construction performed by a private landowner for strictly private purposes. Your signature on and acceptance of this permit denotes your understanding of the stated law regarding use of licensed contractors. **All listed special and general conditions will remain in effect for the life of the project if work commences during the life of the permit. This applies to permittee, future property owners, or permit assignees.**

DESCRIPTION OF THE PROJECT, AS AUTHORIZED

The work, as authorized and shown on the attached drawings, consists of excavation of material from a marina basin and access canal to Main Creek. Specifically the applicant seeks to dredge 2400 cubic yard of material from the marina basin to Main Creek. The applicant has a temporary upland disposal site for the dredged material to dry out and then be transported to the Georgetown County Landfill. The purpose of the proposed work is to provide adequate depths for watercraft affording boaters improved access to coastal waters.

1/14

SEE SPECIAL CONDITION(S)

CRITICAL AREA PERMIT SPECIAL CONDITIONS

1. Provided dredging is performed by hydraulic dredge only.
2. Provided that elevations within the project area are established by a pre-dredge survey completed within six months prior to the start of dredging. As a result of this survey, the dredging operation may be modified if it is shown that it is unnecessary to dredge portions of the system to reach the target depth.
3. Dredging activities must avoid, to the greatest extent practicable, encroachment into any wetland/creek bank area not designated as impact areas. Accordingly, a 15-foot setback between vegetated areas and the areas to be dredged must be maintained to the greatest extent practicable.
4. Provided that the above mentioned setback is staked in the field and verified by all interested, commenting parties prior to the issuance of a construction placard for each dredging occurrence. These stakes must remain in place throughout the dredging operation.
5. Provided that a post-dredge survey is submitted to this office, no later than 60 days after the last day of actual dredging for every dredge occurrence.
6. Provided that the area to be dredged is sloped so that the rear is no deeper than the front which is no deeper than the adjacent waterway.
7. Provided that the dredge cut is no deeper than -2.0 feet below mean low water.
8. Geotubes are monitored closely during dredging operation and dredging is stopped if it becomes evident that the geotube may fail.
9. OCRM staff retains the right to stop work, if turbidity levels in the effluent are too high, temporary disposal site is not being properly maintained, or if they feel that there may be a potential violation
10. Provided that the dredging activity is performed in such a manner so as to not cause any damage to marsh grass or oyster beds, to include but not limited to slumping of vegetation. Any disturbed areas of marsh vegetation must be restored to their original contours and conditions. This may involve revegetation.
11. Provided that prior to the issuance of a construction placard a final dredging plan is submitted to and approved by OCRM staff in writing. The final dredging plan shall include but not limited to: a dredging schedule, the establishment of a dredging log, procedures to handle an emergency situation, and a list of emergency contact phone numbers.
12. Provided that in the event that archaeological or paleontological remains are found during the course of work, the applicant should notify the South Carolina Institute of Archaeology and Anthropology (Mr. James Spirek at 803-777-8170) pursuant to South Carolina Underwater Antiquities Act of 1991, (Article 5 Chapter 7, Title 54, Code of Laws of South Carolina, 1976). Archaeological remains consist of any materials made or altered by man, which remain from past historic or prehistoric

times (ie, older than 50 years). Examples include old pottery fragments, metal, wood, arrowheads, stone implements or tools, human burials, historic docks, structures, or non-recent vessel remains. Paleontological remains consist of old animal remains, original or fossilized, such as teeth, tusks, bone, or entire skeletons.

WATER QUALITY SPECIAL CONDITIONS

13. The applicant must implement best management practices that will minimize erosion and migration of sediments on and off the project site during and after construction. These practices should include the use of appropriate grading and sloping techniques, mulches, silt fences, or other devices capable of preventing erosion, migration of sediments and bank failure. All disturbed land surfaces and sloped areas must be stabilized.
14. Dredging must be limited, when possible, to the winter months (December 1 through March 30).
15. The excavated area must be sloped such that the rear is no deeper than the front is no deeper than the adjacent waterbody to maintain water circulation.
16. All necessary measures must be taken to prevent oil, tar, trash, debris and other pollutants from entering the adjacent waters or wetlands.
17. Dredging activities must avoid, to the greatest extent practicable, encroachment into any wetland/creek bank area not designated as impact areas. Accordingly, a 15-foot setback between vegetated areas and the areas to be dredged must be maintained to the greatest extent practicable.
18. Spoils are hydraulically dredged and materials are properly contained and managed to prevent the discharge of silt-laden water into adjacent waters.
19. The use of Geotubes for spoil containment should be closely monitored at all times. Dredging operations should be required to cease in the event of tube failure.

PERMITTEE'S ATTENTION IS DIRECTED TO GENERAL CONDITIONS NUMBERS FOUR (4) AND (5), BY ACCEPTANCE OF THIS PERMIT, PERMITTEE IS PLACED ON NOTICE THAT THE STATE OF SOUTH CAROLINA, BY ISSUING THIS PERMIT, DOES NOT WAIVE ITS RIGHTS TO REQUIRE PAYMENT OF A REASONABLE FEE FOR USE OF STATE LANDS AT A FUTURE DATE IF SO DIRECTED BY STATUTE.

THE PERMITTEE, BY ACCEPTANCE OF THIS PERMIT, AGREES TO ABIDE BY THE TERMS AND CONDITIONS CONTAINED HEREIN AND TO PERFORM THE WORK IN STRICT ACCORDANCE WITH THE PLANS AND SPECIFICATIONS ATTACHED HERETO AND MADE A PART HEREOF. ANY DEVIATION FROM THESE CONDITIONS, TERMS, PLANS AND SPECIFICATIONS SHALL BE GROUNDS FOR REVOCATION, SUSPENSION OR MODIFICATION OF THIS PERMIT AND THE INSTITUTION OF SUCH LEGAL PROCEEDINGS AS THE DEPARTMENT MAY CONSIDER APPROPRIATE.

2003-13157-3IC(08)

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

(PERMITTEE)
Marina Colony Boat Club Inc

(DATE)

**SEE SPECIAL
CONDITION(S)**



This permit becomes effective when the State official, designated to act for the Office of Ocean and Coastal Resource Management, has signed below.



(WETLAND SECTION PROJECT MANAGER)

Christopher Stout

or his Designee

Other Authorized State Official

12/22/2014
(DATE)

**SEE SPECIAL
CONDITION(S)**

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Ocean and Coastal Resource Management

Charleston Office • 1362 McMillan Ave, Suite 400 • Charleston, SC 29405-2047

Phone: 843-953-0200 • Fax: 843-953-0201 • www.scdhec.gov

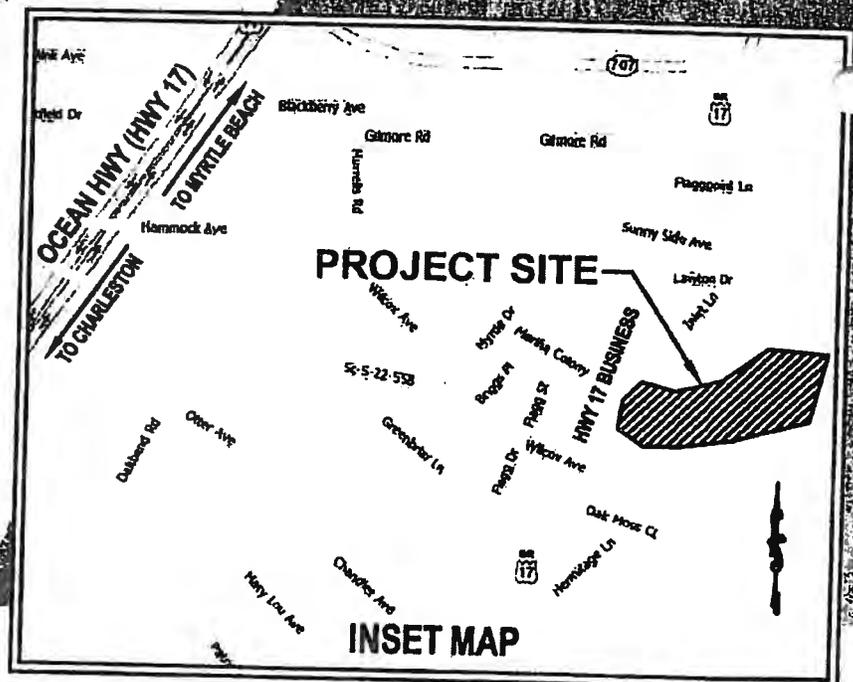
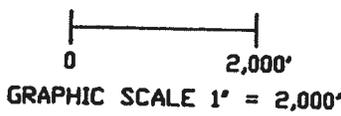
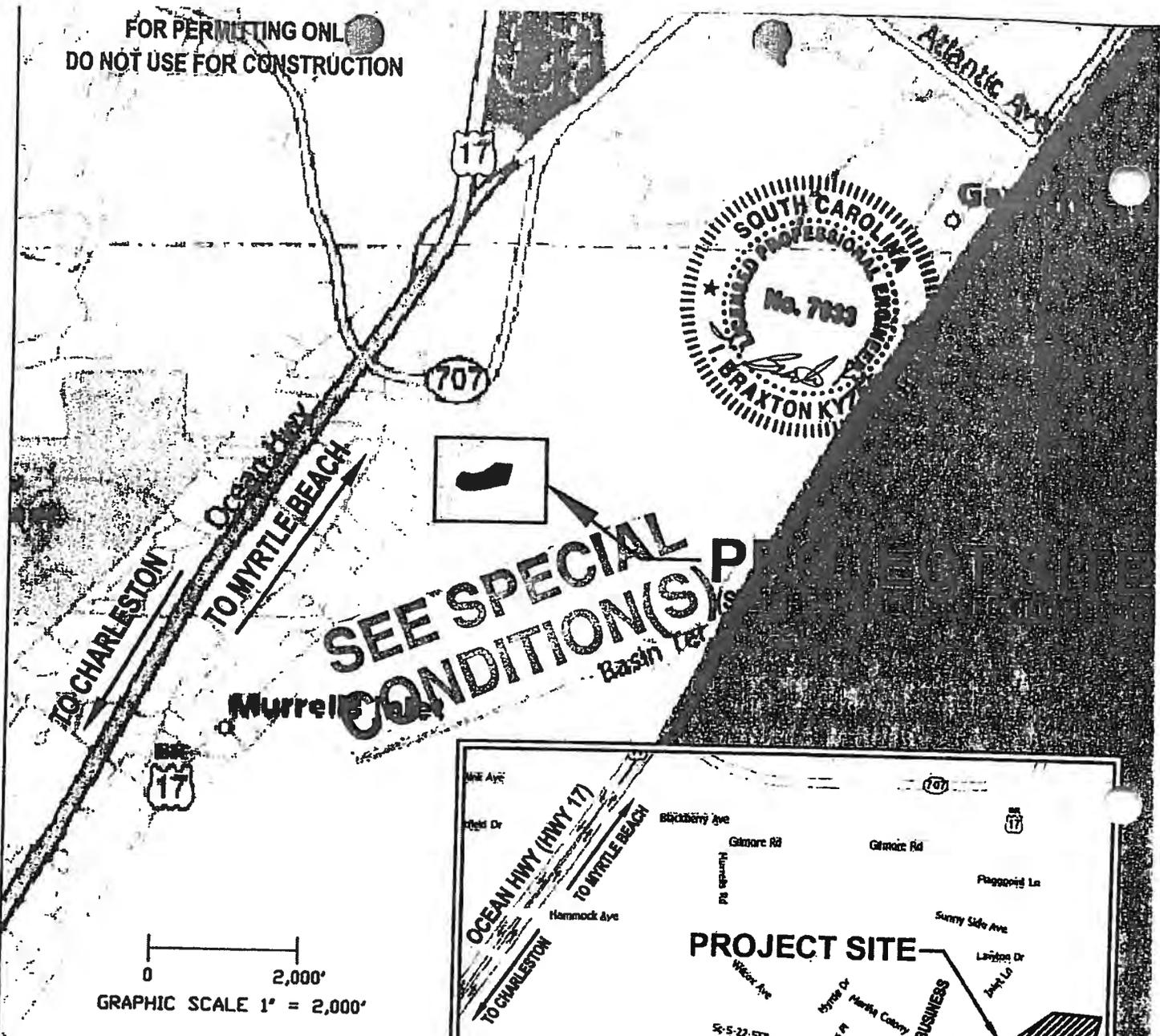
GENERAL CONDITIONS:

This construction and use permit is expressly contingent upon the following conditions which are binding on the permittee:

1. That the permittee, in accepting this permit, covenants and agrees to comply with and abide by the provisions and conditions herein and assumes all responsibility and liability and agrees to save OCRM and the State of South Carolina, its employees or representatives, harmless from all claims of damage arising out of operations conducted pursuant to this permit.
2. That if the activity authorized herein is not constructed or completed within five years of the date of issuance, this permit shall automatically expire. A request, in writing, for an extension of time shall be made not less than thirty days prior to the expiration date.
3. That all authorized work shall be conducted in a manner that minimizes any adverse impact on fish, wildlife and water quality.
4. That this permit does not relieve the permittee from the requirements of obtaining a permit from the U. S. Army Corps of Engineers or any other applicable federal agency, nor from the necessity of complying with all applicable local laws, ordinances, and zoning regulations. This permit is granted subject to the rights of the State of South Carolina in the navigable waters and shall be subject, further, to all rights held by the State of South Carolina under the public trust doctrine as well as any other right the State may have in the waters and submerged lands of the coast.
5. That this permit does not convey, expressly or impliedly, any property rights in real estate or material nor any exclusive privileges; nor does it authorize the permittee to alienate, diminish, infringe upon or otherwise restrict the property rights of any other person or the public; nor shall this permit be interpreted as appropriating public properties for private use.
6. That the permittee shall permit OCRM or its authorized agents or representatives to make periodic inspections at any time deemed necessary in order to ensure that the activity being performed is in accordance with the terms and conditions of this permit.
7. That any abandonment of the permitted activity will require restoration of the area to a satisfactory condition as determined by OCRM.
8. That this permit may not be transferred to a third party without prior written notice to OCRM, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit and thereby agreeing to comply.
9. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and special signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.
10. That the permit construction placard or a copy of the placard shall be posted in a conspicuous place at the project site during the entire period of work.
11. That the structure or work authorized herein shall be in accordance with the plans and drawing attached hereto, and shall be maintained in good condition. Failure to build in accordance with the plans and drawings attached hereto, or failure to maintain the structure in good condition, shall result in the revocation of this permit.
12. That the authorization for activities or structures herein constitutes a revocable license. OCRM may require the permittee to modify activities or remove structures authorized herein if it is determined by OCRM that such activity or structures violates the public's health, safety, or welfare, or if any activity is inconsistent with the public trust doctrine. Modification or removal under this condition shall be ordered only after reasonable notice stating the reasons therefore and provision to the permittee of the opportunity to respond in writing. When the Permittee is notified that OCRM intends to revoke the permit, Permittee agrees to immediately stop work pending resolution of the revocation.
13. That OCRM shall have the right to revoke, suspend, or modify this permit in the event it is determined the permitted structure (1) significantly impacts the public health, safety and welfare, and/or is violation of Section 48-39-150, (2) adversely impacts public rights, (3) that the information and data which the permittee or any other agencies have provided in connection with the permit application is either false, incomplete or inaccurate, or (4) that the activity is not in compliance with the drawings submitted by the applicant. That the permittee, upon receipt of OCRM's written intent to revoke, suspend, or modify the permit has the right to a hearing. Prior to revocation, suspension, or modification of this permit, OCRM shall provide written notification of intent to revoke to the permittee, and permittee can respond with a written explanation to OCRM. (South Carolina Code Section 1-023-370 shall govern the procedure for revocation, suspension or modification herein described).
14. That any modification, suspension or revocation of this permit shall not be the basis of any claim for damages against OCRM or the State of South Carolina or any employee, agent, or representative of OCRM or the State of South Carolina.
15. That all activities authorized herein shall, if they involve a discharge or deposit into navigable waters or ocean waters, be at all times consistent with all applicable water quality standards, effluent limitations and standards of performance, prohibitions, and pretreatment standards established pursuant to applicable federal, state and local laws.
16. That extreme care shall be exercised to prevent any adverse or undesirable effects from this work on the property of others. This permit authorizes no invasion of adjacent private property, and OCRM assumes no responsibility or liability from any claims of damage arising out of any operations conducted by the permittee pursuant to this permit.

**SEE SPECIAL
CONDITION(S)**

FOR PERMITTING ONLY
DO NOT USE FOR CONSTRUCTION



LOCATION MAP

NOT TO SCALE

MAPS BY: MAPQUEST

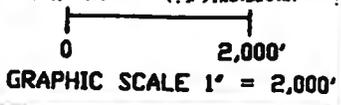
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LONGITUDE: 79.0129 DEG.

PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING		PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIA P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
CITY/TOWN- MURRELLS INLET RIVER/WATER BODY- MAIN CREEK COUNTY- GEORGETOWN STATE- S.C.		DATE- 08/27/08	2003-13157-314
		PAGE- 1 OF 11	SCALE - AS SHOWN



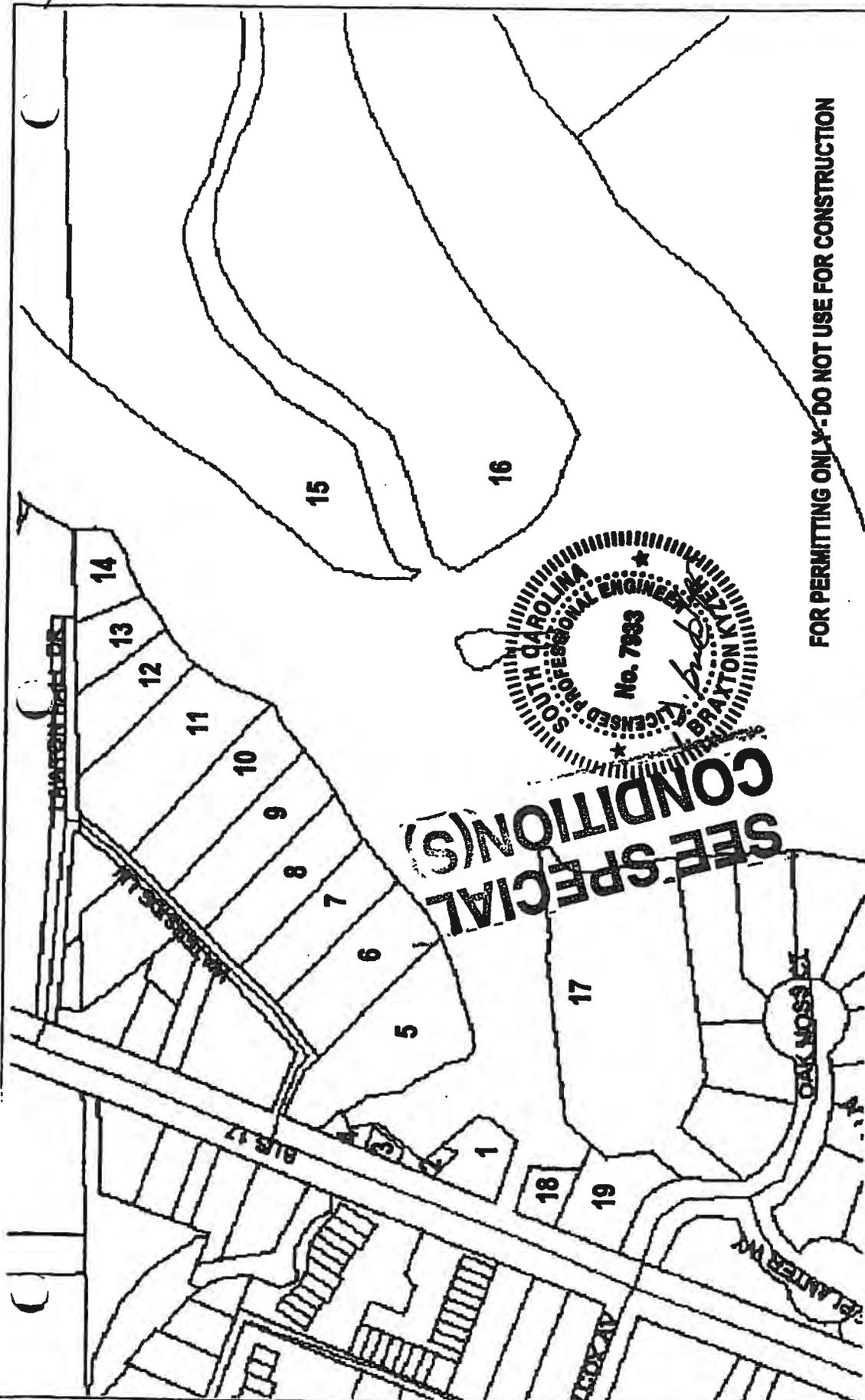
LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.

QUAD MAP



PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING		PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
CITY/TOWN- MURRELLS INLET COUNTY- GEORGETOWN	RIVER/WATER BODY- MAIN CREEK STATE- S.C.	DATE- 08/27/08 2003-13157-31C	PAGE- 2 OF 11 SCALE- 1" = 2,000'

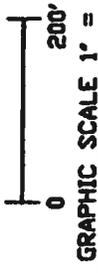
01/3



SEE SPECIAL CONDITIONS

**SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 7883
BRAXTON K. LITZNER**

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION



ADJACENT PROPERTY OWNERS MAP
(SEE ATTACHED SHEETS FOR NAMES AND ADDRESSES)

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.

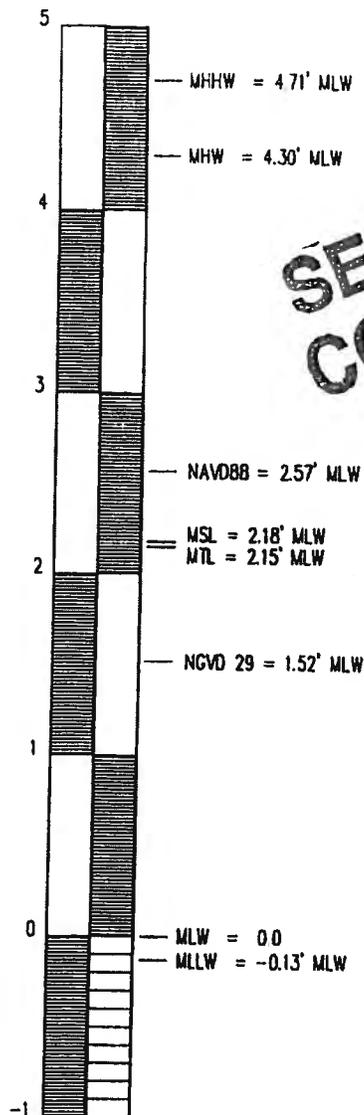
OWNER - MARINA COLONY BOAT CLUB, INC.
AGENT - BEAM & ASSOCIATES
P.O. BOX 11863
COLUMBIA, SC 29211-1863
PHONE: (843) 814-7145

PROPOSED ACTIVITY -
MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE
BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

PROJECT NAME - MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN - MURRELLS INLET **RIVER/WATER BODY - MAIN CREEK**
COUNTY - GEORGETOWN **STATE - S.C.**

DATE - 08/27/08 **PAGE - 3 OF 11** **SCALE - 1" = 200'**
2008-13157-3IC

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION



**SEE SPECIAL
CONDITION(S)**

DATUM
RELATIONSHIPS

TIDE SCALE



NOT TO SCALE

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0129 DEG.

PROJECT NAME- MARINA COLONY BOAT CLUB MAINTENANCE DREDGING		PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	OWNER - MARINA COLONY BOAT CLUB AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
CITY/TOWN- MURRELLS INLET RIVER/WATER BODY- MAIN CREEK COUNTY- GEORGETOWN STATE- S.C.	DATE= 08/27/08	2003-13157-3DC	PAGE= 4 OF 11 NOT TO SCALE

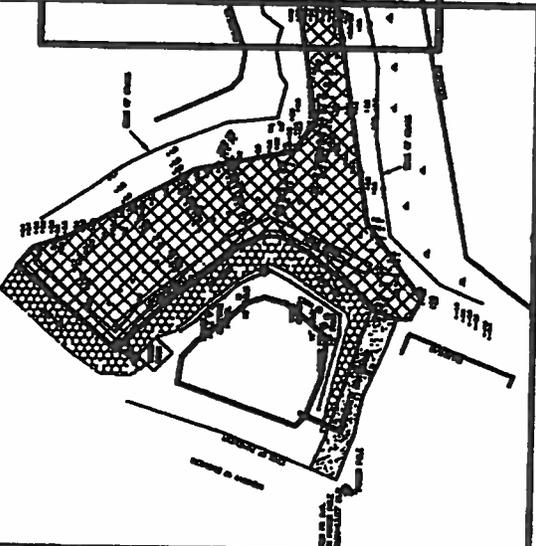
FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

LEGEND

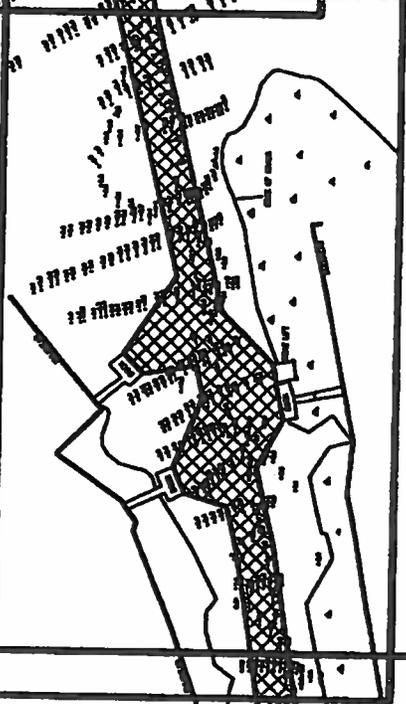


PROPOSED DREDGING

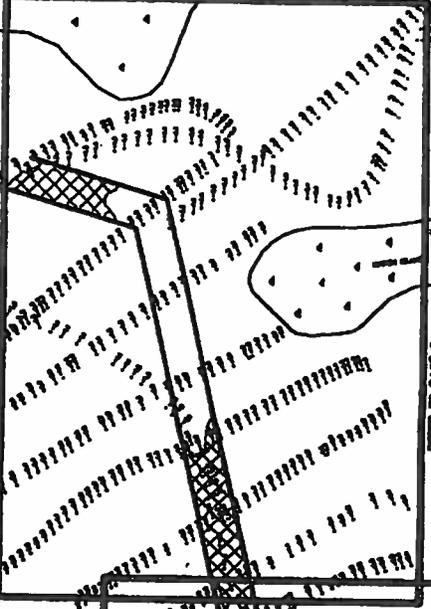
REFER TO PAGE 6 FOR ENLARGED VIEW



REFER TO PAGE 7 FOR ENLARGED VIEW



REFER TO PAGE 8 FOR ENLARGED VIEW



NOTES:

1. COORDINATES ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM NAD 1983.
2. ELEVATIONS ARE BASED ON MEAN LOW WATER USING BENCHMARK PID DD1494.
3. SURVEYING PERFORMED ON 7-09-08 BY SOUTHEASTERN SURVEYING OF CHARLESTON, INC.



LATITUDE: 33.562 DEG.
LONGITUDE: 78.0128 DEG.

KEY SHEET



GRAPHIC SCALE 1" = 100'

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN: MURRELLS INLET RIVER/WATER BODY: MAIN CREEK
COUNTY: GEORGETOWN STATE: S.C.

PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER: MARINA COLONY BOAT CLUB, INC.
AGENT: BEAM & ASSOCIATES P.O. BOX 11863
 COLUMBIA, SC 29211-1863
 PHONE (843) 4-7145

DATE: 08/27/08
 DRAWING NO: 2008-13157-31C

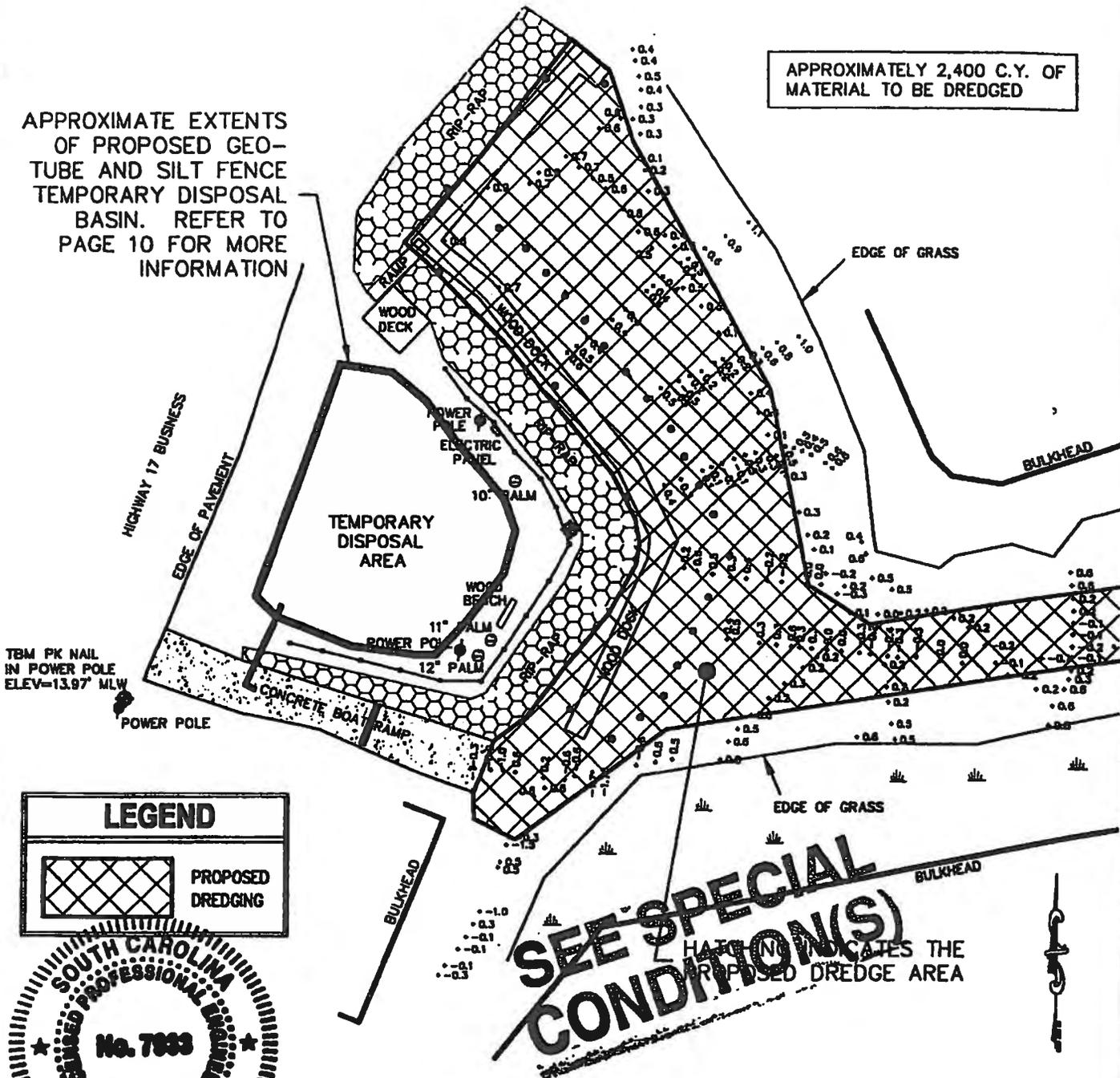
SCALE: 1" = 100'

5 OF 11

10/10

APPROXIMATE EXTENTS OF PROPOSED GEO-TUBE AND SILT FENCE TEMPORARY DISPOSAL BASIN. REFER TO PAGE 10 FOR MORE INFORMATION

APPROXIMATELY 2,400 C.Y. OF MATERIAL TO BE DREDGED



LEGEND

 PROPOSED DREDGING

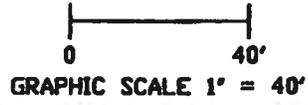


SEE SPECIAL CONDITIONS
 HATCHING INDICATES THE PROPOSED DREDGE AREA

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.582 DEG.
 LONGITUDE: 79.0129 DEG.

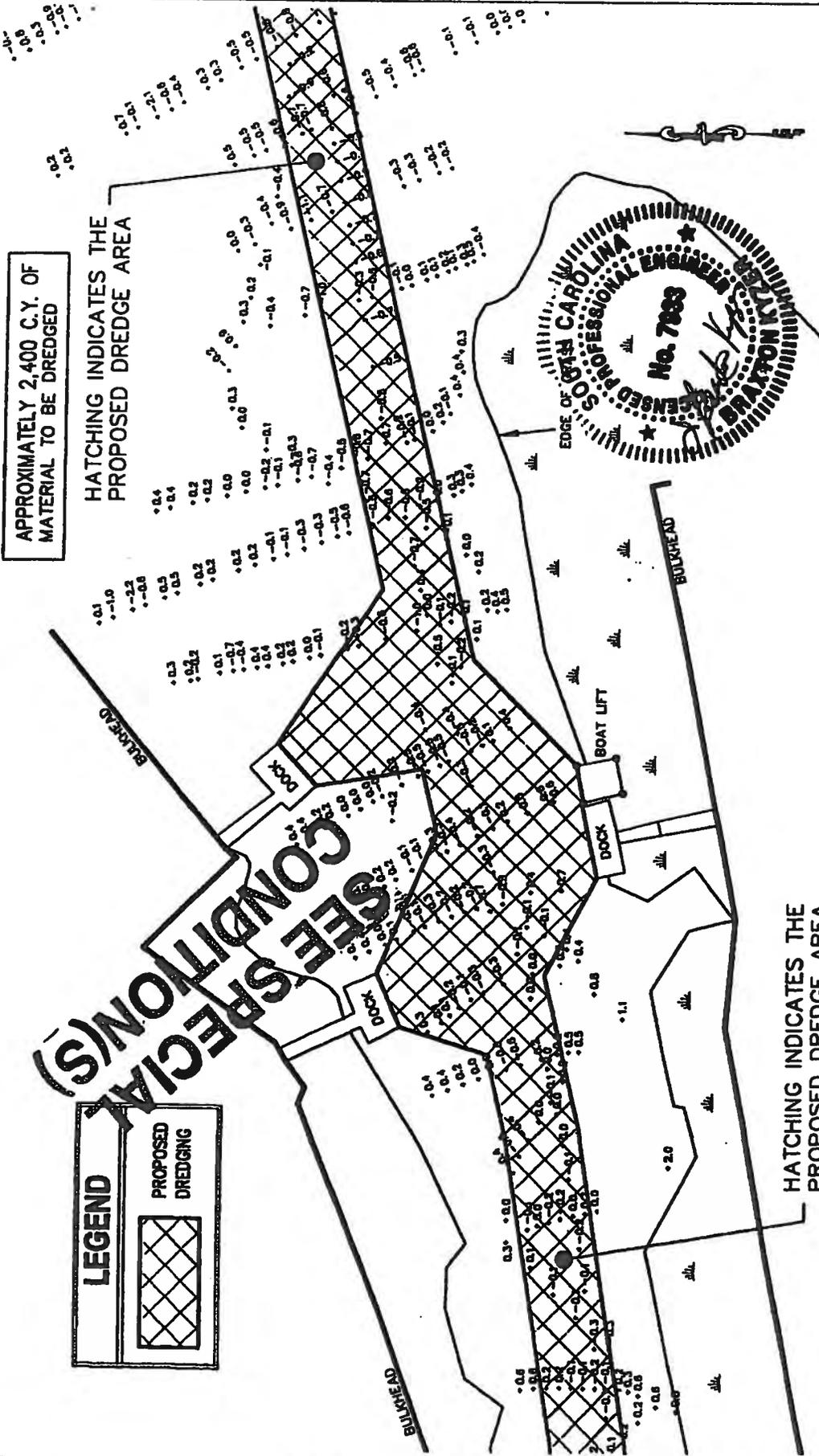


PROJECT NAME - MARINA COLONY BOAT CLUB MAINTENANCE DREDGING		OWNER - MARINA COLONY BOAT CLUB
CITY/TOWN - MURRELLS INLET RIVER/WATER BODY - MAIN CREEK	PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.	AGENT - BEAM & ASSOCIATES P.O. BOX 11863 COLUMBIA, SC 29211-1863 PHONE: (843) 814-7145
COUNTY - GEORGETOWN STATE - S.C.	DATE - 08/27/08	SCALE - 1" = 40'

11/10

01/09

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION



0 40' GRAPHIC SCALE 1" = 40'

EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.502 DEG.
LONGITUDE: 79.0120 DEG.

PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

PROJECT NAME - MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN - MURRELLS INLET RIVER/WATER BODY - MAIN CREEK
COUNTY - GEORGETOWN STATE - S.C.

OWNER - MARINA COLONY BOAT CLUB, INC.
AGENT - BEAM & ASSOCIATES COLUMBIA, SC 29211-1883
P.O. BOX 11863 PHONE: (843) 814-7145

DATE - 08/27/08 2003-13157-314 PAGE - 7 OF 11 SCALE - 1" = 40'

FOR PERMITTING ONLY - DO NOT USE FOR CONSTRUCTION

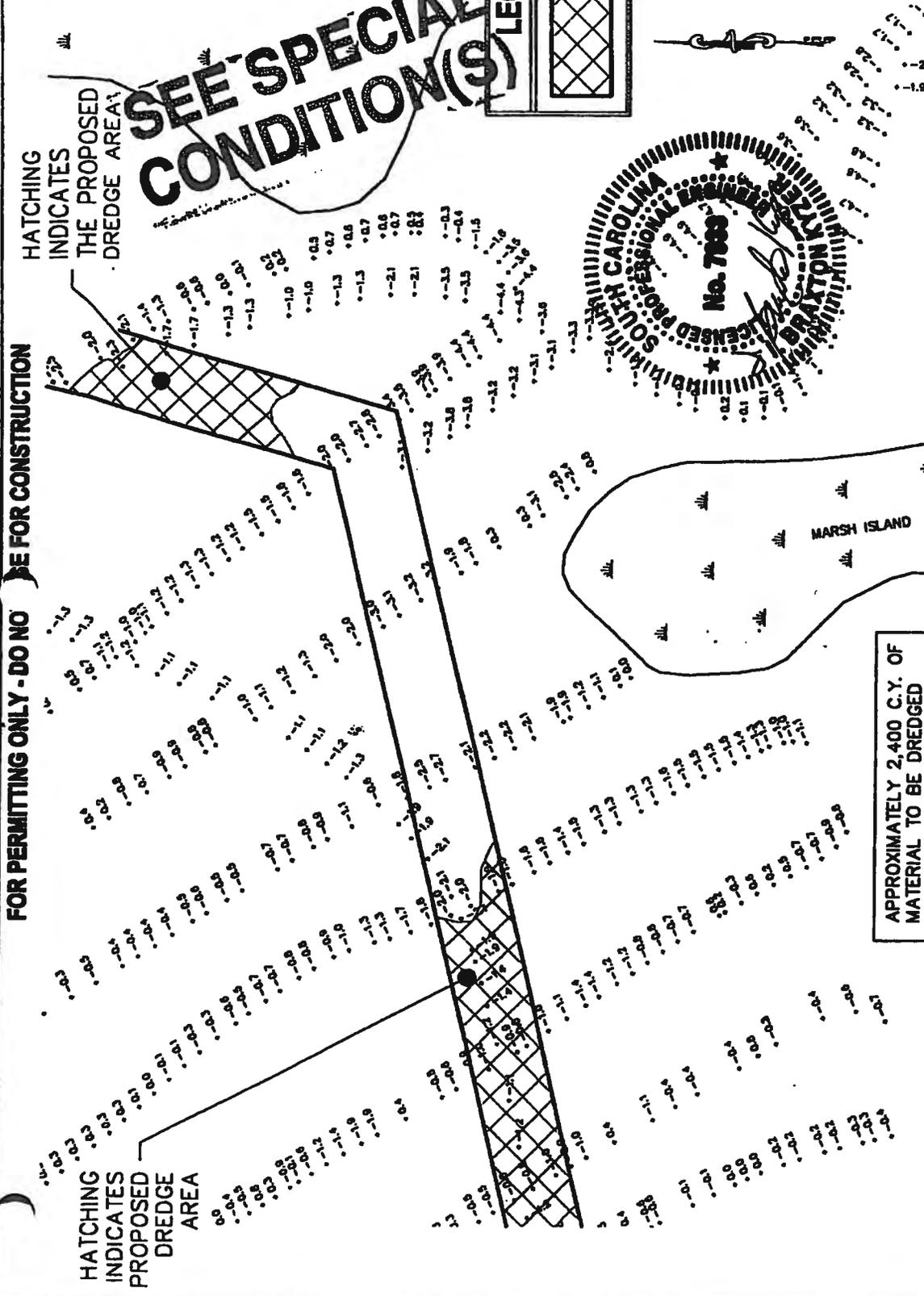
HATCHING INDICATES THE PROPOSED DREDGE AREA

HATCHING INDICATES PROPOSED DREDGE AREA

SEE SPECIAL CONDITION(S)

LEGEND

PROPOSED DREDGING



APPROXIMATELY 2,400 C.Y. OF MATERIAL TO BE DREDGED

GRAPHIC SCALE 1" = 40'

EXISTING CONDITIONS & PROPOSED DREDGING LIMITS

LATITUDE: 33.562 DEG.
LONGITUDE: 79.0128 DEG.

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN: MURRELLS INLET RIVER/WATER BODY: MAIN CREEK
COUNTY: GEORGETOWN STATE: S.C.

PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

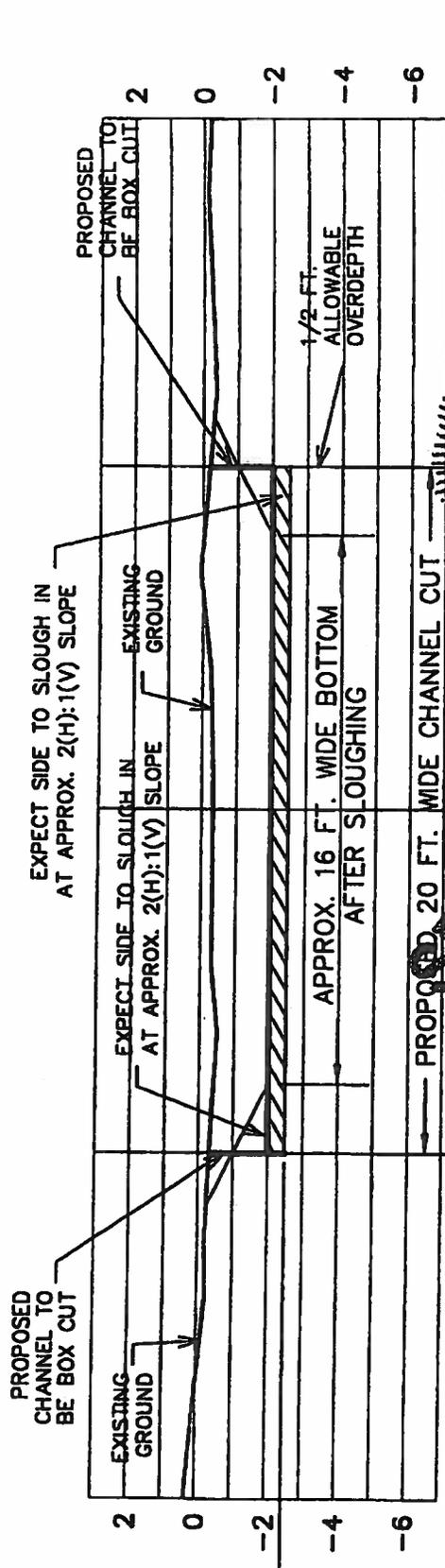
OWNER: MARINA COLONY BOAT CLUB, INC.
AGENT: BEAM & ASSOCIATES
COLUMBIA, SC 29211-1863
P.O. BOX 11863 PHONE: (843) 814-7145

DATE: 08/27/08
PAGE: 8 OF 11
SCALE: 1" = 40'
2003-13157-316

13/16

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TYPICAL SECTION - 20 FT. WIDE, 2.0 FT. DEEP CHANNEL



1/2' ALLOWABLE OVERDEPTH

SEE SPECIAL CONDITION

PROPOSED DREDGE CHANNEL (TYPICAL SECTION)



LATITUDE: 33.562 DEG.
 LONGITUDE: 79.0128 DEG.

PROJECT NAME: MARVA COLONY BOAT CLUB MAINTENANCE DREDGING
 CITY/TOWN: MURRELLS INLET RIVER/WATER BODY: MAIN CREEK
 COUNTY: GEORGETOWN STATE: S.C.

PROPOSED ACTIVITY: MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

OWNER: MARVA COLONY BOAT CLUB, INC.
 AGENT: BEAM & ASSOCIATES COLUMBIA, SC 29211-1863
 P.O. BOX 11863 PHONE: (803) 714-7145

DATE: 08/27/08 2003-13157-31C

E= 9 OF 11 SCALE: 1" = 5'

14/110

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SEE SPECIAL CONDITION(S)

GEO-TUBE FOR TEMPORARY STORAGE OF HYDRAULICALLY DREGGED MATERIAL

GEO-TUBE FOR TEMPORARY STORAGE OF HYDRAULICALLY DREGGED MATERIAL

SILT FENCE AROUND PERIMETER (TYPICAL)

HAY BALES AROUND PERIMETER (TYPICAL)

IMPERVIOUS MEMBRANE THROUGHOUT AREA

SILT FENCE AROUND PERIMETER (TYPICAL)

HAY BALES AROUND PERIMETER (TYPICAL)

IF HYDRAULICALLY DREGGED, SMALL-CIRCUMFERENCE GEOTUBES WILL BE USED TO STORE MATERIAL UNTIL IT HAS DRIED SUFFICIENTLY TO BE HAULED FROM SITE. EXCESS WATER WILL BE RETURNED TO THE MARINA BASIN.

TEMPORARY STORAGE OPTION FOR HYDRAULICALLY DREGGED MATERIAL

SILT FENCE AROUND PERIMETER (TYPICAL)

HAY BALES AROUND PERIMETER (TYPICAL)

IMPERVIOUS MEMBRANE THROUGHOUT AREA

MECHANICALLY DREGGED MATERIAL TO BE PILED UP INSIDE THE TEMPORARY DISPOSAL BASIN TO DRY

SILT FENCE AROUND PERIMETER (TYPICAL)

HAY BALES AROUND PERIMETER (TYPICAL)

IF MECHANICALLY DREGGED, MATERIAL WILL BE PLACED IN SITE WITH BACKHOE OR DRAGLINE UNTIL IT HAS DRIED SUFFICIENTLY TO BE HAULED FROM SITE. EXCESS WATER WILL BE RETURNED TO THE MARINA BASIN.

TEMPORARY STORAGE OPTION FOR MECHANICALLY DREGGED MATERIAL

LATITUDE: 33.582 DEG.
LONGITUDE: 79.0128 DEG.

TYPICAL SECTION THROUGH DIKE - (SECTION A-A)

NOT TO SCALE

PROJECT NAME: MARINA COLONY BOAT CLUB MAINTENANCE DREDGING
CITY/TOWN: MURRELLS INLET
COUNTY: GEORGETOWN STATE: S.C.

PROPOSED ACTIVITY - MAINTENANCE DREDGING OF THE EXISTING CANAL TO PROVIDE BOATERS WITH IMPROVED ACCESS TO COASTAL WATERS.

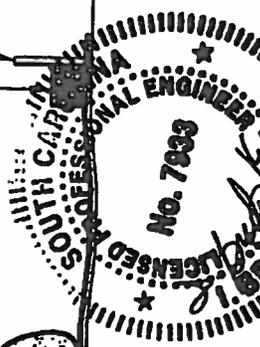
OWNER - MARINA COLONY BOAT CLUB, INC.

AGENT - BEAM & ASSOCIATES

COLUMBIA, SC 29211-1863
P.O. BOX 11863
PHONE: (814) 7145

DATE: 08/27/08
2003-13157-32C

11 OF 11
NOT TO SCALE



10/10



VOLUNTARY Pre-Bid Conference & Site Inspection
Bid #16-043, Murrells Inlet Maintenance Dredging
Wednesday, July 13, 2016 at 11:00 AM Eastern NIST

PLEASE PRINT LEGIBLY

<u>CONTACT NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>E-MAIL</u>	<u>TYPE</u> [√]
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Curtis Thompson	SUPREME STORM SERVICES	864-357-0424	cthompson@supremeindustries.com	G/C [] SUB [✓]
Phil Cagle	SNF Environmental	863-899-4841	pcagle@snfnc.com	G/C [] SUB []
				G/C [] SUB []
				G/C [] SUB []



VOLUNTARY Pre-Bid Conference & Site Inspection
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Jerry Vetter	MOBILE DTP	800 635 9689	JVETTER@MOBILEDRDGING.COM	G/C [] SUB []
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Marc Junkel	Supreme	407-921-2446	ms@supremedredging.com	G/C [] SUB []
HENRY ELMORE	James Abbott Marine	910-263-2054 407-460-0610	HENRY_ELMORE@yahoo.com	G/C [] SUB []
				G/C [] SUB []
				G/C [] SUB []
				G/C [] SUB []