

**JOINT**  
**PUBLIC NOTICE**

**CHARLESTON DISTRICT, CORPS OF ENGINEERS**  
1949 Industrial Park Rd, Room 140  
Conway, South Carolina 29526  
And the  
**S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**  
**OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT**  
1362 McMillan Avenue, Suite 400  
Charleston, South Carolina 29405

REGULATORY DIVISION

Refer to: P/N # 2004-13466-3IY

September 24, 2014

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

**Coquina Harbor Dredging Joint Venture, LLC / John Cattuna**  
**c/o Beam & Associates**  
**Dr. H. Wayne Beam**  
**PO Box 3238**  
**North Myrtle Beach, SC 29582**

for a permit to perform maintenance dredging within an existing marina basin adjacent to the

**Atlantic Intracoastal Waterway**

Located at 714 Highway 17 North, Little River, Horry County, South Carolina  
(Latitude: 33.862731; Longitude: -78.638093).

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

**NOTICE**

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

**15 Days from the Date of this Notice,**

and **SCDHEC** will receive written statements regarding the proposed work until

**30 Days from the Date of this Notice**

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

The proposed work consists of maintenance dredging an existing marina basin (jointly used by Coquina Yacht Club Marina, Lightkeepers marina, Myrtle Beach Yacht Club, and Lighthouse Pointe Marina) and areas adjacent to the AIWW. In detail, the applicant is requesting a ten year permit to perform maintenance dredging with an estimated cumulative total volume of

150,000 cubic yards of material to be removed during the life of the permit. The initial dredging will remove between 30,000 to 60,000 cubic yards of material from a total of 20 acres to include the marina basin and areas adjacent to the AIWW. The applicant is estimating that during the ten period of the requested permit that two (2) subsequent maintenance dredging events will occur. The proposed dredging will be accomplished by hydraulic dredge. Dredged material will be pumped to the Tidewater CDF located on Little River Neck Road, in North Myrtle Beach, Horry County, South Carolina. The applicant stated that consent agreements with both Horry County and the U.S. Army Corps of Engineers will be negotiated for the proposed use of the CDF. Once the material has sufficiently dried, it will be hauled to the final disposal site as in accordance to the consent agreements. The applicant offered no compensatory mitigation for impacts associated with the proposed work. The applicant stated that normal and customary practices will be employed by the contractor in performing the maintenance dredging as measures to avoid and minimize impacts to waters of the United States. The project purpose as stated by the applicant is to afford sufficient water depths within the existing marina and area adjacent to the AIWW to allow safe operation of watercraft.

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

**U.S. Army Corps of Engineers  
ATTN: REGULATORY DIVISION  
1949 Industrial Park Road, Room 140  
Conway, South Carolina 29526**

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. This activity may also require evaluation for compliance with the S.C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S.C. Department of Health and Environmental Control. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to State certification or the navigable waters permit must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact (20.0) acres of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The District Engineer has consulted the most recently available information and has

determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office to provide any information it may have with regard to historic and cultural resources.

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

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

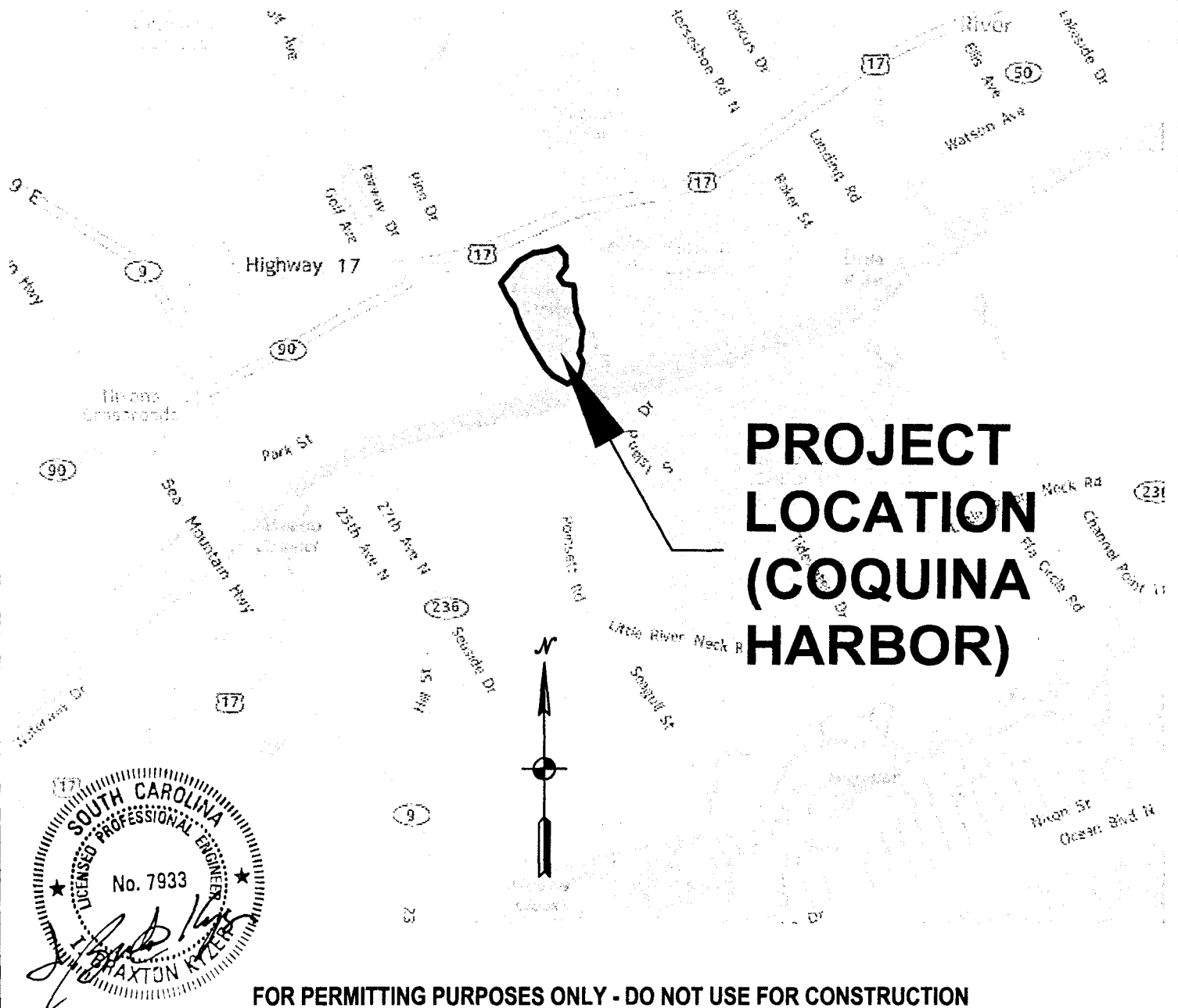
The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine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

REGULATORY DIVISION  
Refer to: P/N # 2004-13466-3NY

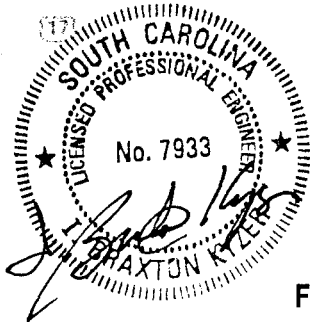
September 24, 2014

If there are any questions concerning this public notice, please contact T. Brian Hardee at 843-365-0848.

FOR PERMITTING PURPOSES ONLY - DO NOT USE FOR CONSTRUCTION



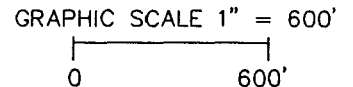
# PROJECT LOCATION (COQUINA HARBOR)



FOR PERMITTING PURPOSES ONLY - DO NOT USE FOR CONSTRUCTION

**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

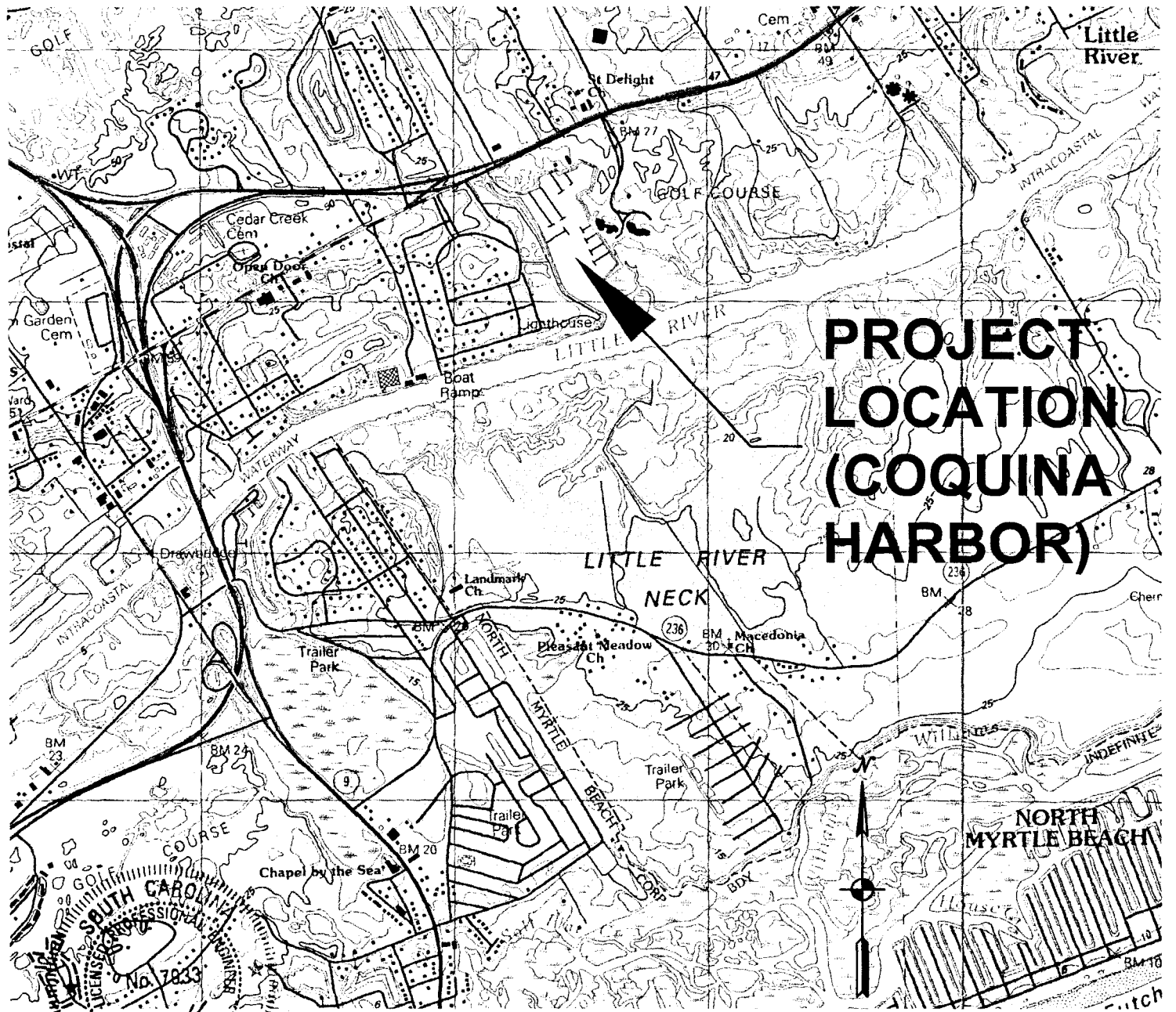
## LOCATION MAP



## COQUINA HARBOR DREDGING JOINT VENTURE

<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p> <p><b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP <b>COUNTY:</b> HORRY      <b>STATE:</b> S.C. <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY:</b> - MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER:</b> - COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p> <p><b>AGENT:</b> - BEAM &amp; ASSOCIATES 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238) HARBOR GATE, SUITE 2105-A NORTH MYRTLE BEACH, SC 29582 PHONE: (843) 814-7145</p>	
<p><b>DATE:</b> 09/04/14</p>	<p><b>REVISION DATE:</b></p>	<p><b>PAGE:</b> 1 OF 17</p>	<p><b>SCALE:</b> 1" = 600'</p>

FOR PERMITTING PURPOSES ONLY - DO NOT USE FOR CONSTRUCTION



**PROJECT  
LOCATION  
(COQUINA  
HARBOR)**

FOR PERMITTING PURPOSES ONLY - DO NOT USE FOR CONSTRUCTION

(LITTLE RIVER & WAMPEE QUAD SHEETS)

**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**USGS QUADRANGLE MAP**

GRAPHIC SCALE 1" = 600'  
0 600'

**COQUINA HARBOR DREDGING JOINT VENTURE**

**PROJECT NAME:**  
COQUINA HARBOR DREDGING  
JOINT VENTURE

**CITY/TOWN-** LITTLE RIVER TOWNSHIP  
**COUNTY-** HORRY **STATE-** S.C.

**RIVER/WATER BODY-** INTRACOASTAL WATERWAY

**PROPOSED ACTIVITY -**  
MAINTENANCE DREDGING OF THE EXISTING MARINA  
BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS  
FOR RECREATIONAL PURPOSES FOR THE MEMBERS  
OF THE COQUINA HARBOR MARINA FACILITY.

**OWNER -** COQUINA HARBOR DREDGING  
JOINT VENTURES, LLC.

**AGENT -**  
BEAM & ASSOCIATES  
2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)  
HARBOR GATE, SUITE 2105-A  
NORTH MYRTLE BEACH, SC 29582  
PHONE: (843) 814-7145

**DATE-** 09/04/14

**REVISION DATE-**

**PAGE-** 2 OF 17

**SCALE:** 1" = 600'

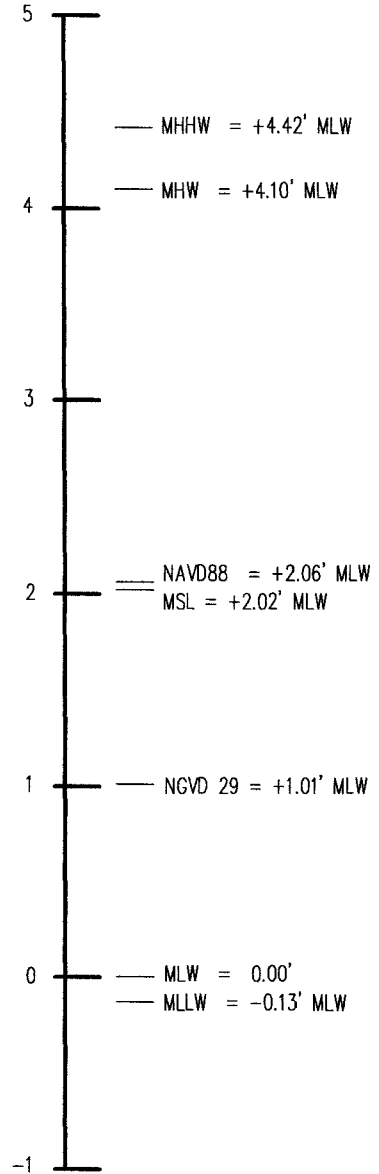
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**DREDGE VOLUME NOTE:**

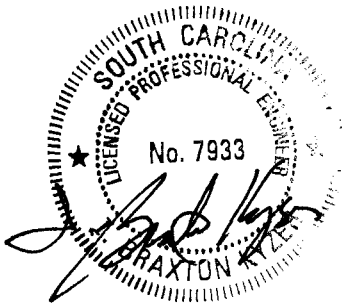
A RECENT SURVEY INDICATES THAT THERE IS APPROXIMATELY 50,000 CY OF MATERIAL WITHIN THE PROJECT DEPTH AND ADDITIONAL 29,000 CY AVAILABLE IN ONE (1) FOOT OF OVERDEPTH. ECONOMIC CONDITIONS OFTEN DICTATE THE DREDGING FREQUENCY AND VOLUME OF MATERIAL REMOVED. IT IS ESTIMATED THAT THERE WILL BE THREE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THIS PERMIT, TOTALING APPROXIMATELY 150,000 CY. AS MUCH AS 60,000 (+) CY TO AS LITTLE AS 30,000 CY COULD BE REMOVED AT ANY ONE TIME.

**SURVEY NOTES:**

1. ALL ELEVATIONS AND CONTOURS ARE REFERENCED TO MEAN LOW WATER (MLW) VERTICAL DATUM.
2. HORIZONTAL CONTROL IS REFERENCED TO SOUTH CAROLINA STATE GRID COORDINATE SYSTEM (NAD 83).
3. SURVEY INFORMATION SHOWN ON THESE DRAWINGS PROVIDED BY: GEL ENGINEERING, LLC OF CHARLESTON, SC.  
SURVEY DATE: JUNE 6, 2014.



**TIDE DATUM RELATIONSHIPS**



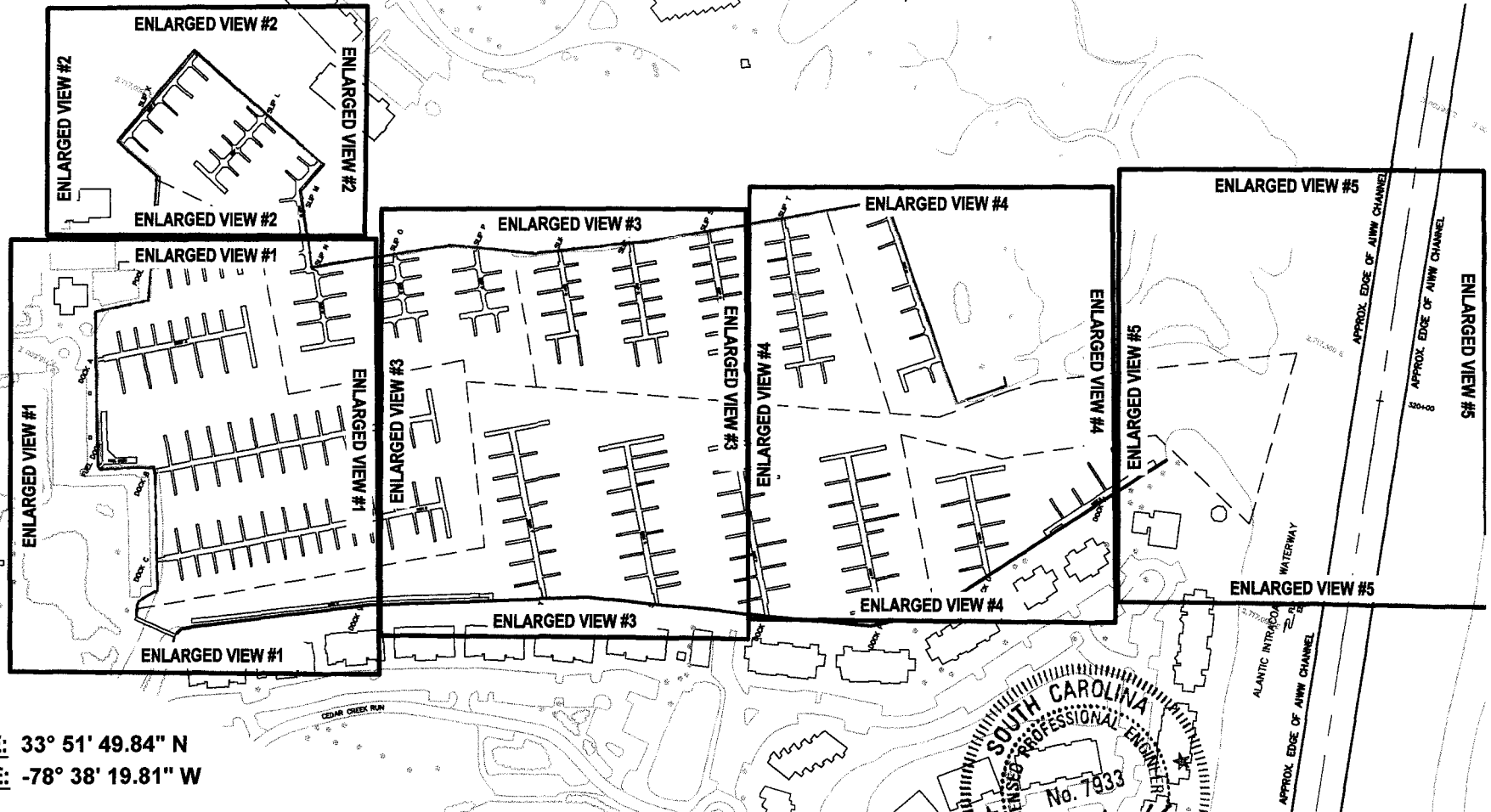
**TIDE SCALE & NOTES**

**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**COQUINA HARBOR DREDGING JOINT VENTURE**

<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p> <p><b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP <b>COUNTY:</b> HORRY      <b>STATE:</b> S.C. <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY:</b> - MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER:</b> - COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p> <p><b>AGENT:</b> - BEAM &amp; ASSOCIATES 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238) HARBOR GATE, SUITE 2105-A NORTH MYRTLE BEACH, SC 29582 PHONE: (843) 814-7145</p>	
<p><b>DATE:</b> 09/04/14</p>	<p><b>REVISION DATE:</b></p>	<p><b>PAGE:</b> 3 OF 17</p>	<p><b>SCALE:</b> NONE</p>

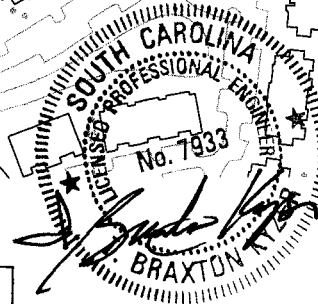
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**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**EXISTING CONDITIONS**

REFER TO PAGES 5 THROUGH 9 FOR ENLARGED VIEWS OF EXISTING CONDITIONS FOR WATER DEPTHS THROUGHOUT THE MARINA BASIN AND ENTRANCE CHANNEL (ENLARGED VIEW #1 THROUGH ENLARGED VIEW # 5)



SCALE 1" = 300'  
 0 300'

**COQUINA HARBOR DREDGING JOINT VENTURE - OVERALL LAYOUT PLAN & KEY SHEET**

**PROJECT NAME:**  
 COQUINA HARBOR DREDGING JOINT VENTURE  
**CITY/TOWN-** LITTLE RIVER TOWNSHIP  
**COUNTY-** HORRY **STATE-** S.C.  
**RIVER/WATER BODY-** INTRACOASTAL WATERWAY

**PROPOSED ACTIVITY -**  
 MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.

**OWNER -** COQUINA HARBOR DREDGING JOINT VENTURE, LLC.  
**AGENT -**  
 BEAM & ASSOCIATES  
 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)  
 HARBOR GATE, SUITE 2105-A  
 NORTH MYRTLE BEACH, SC 29582  
 PHONE: (843) 814-7145

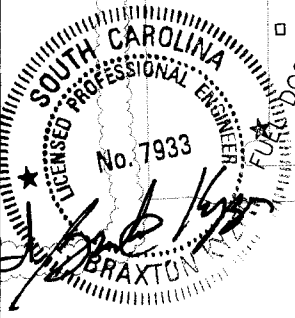
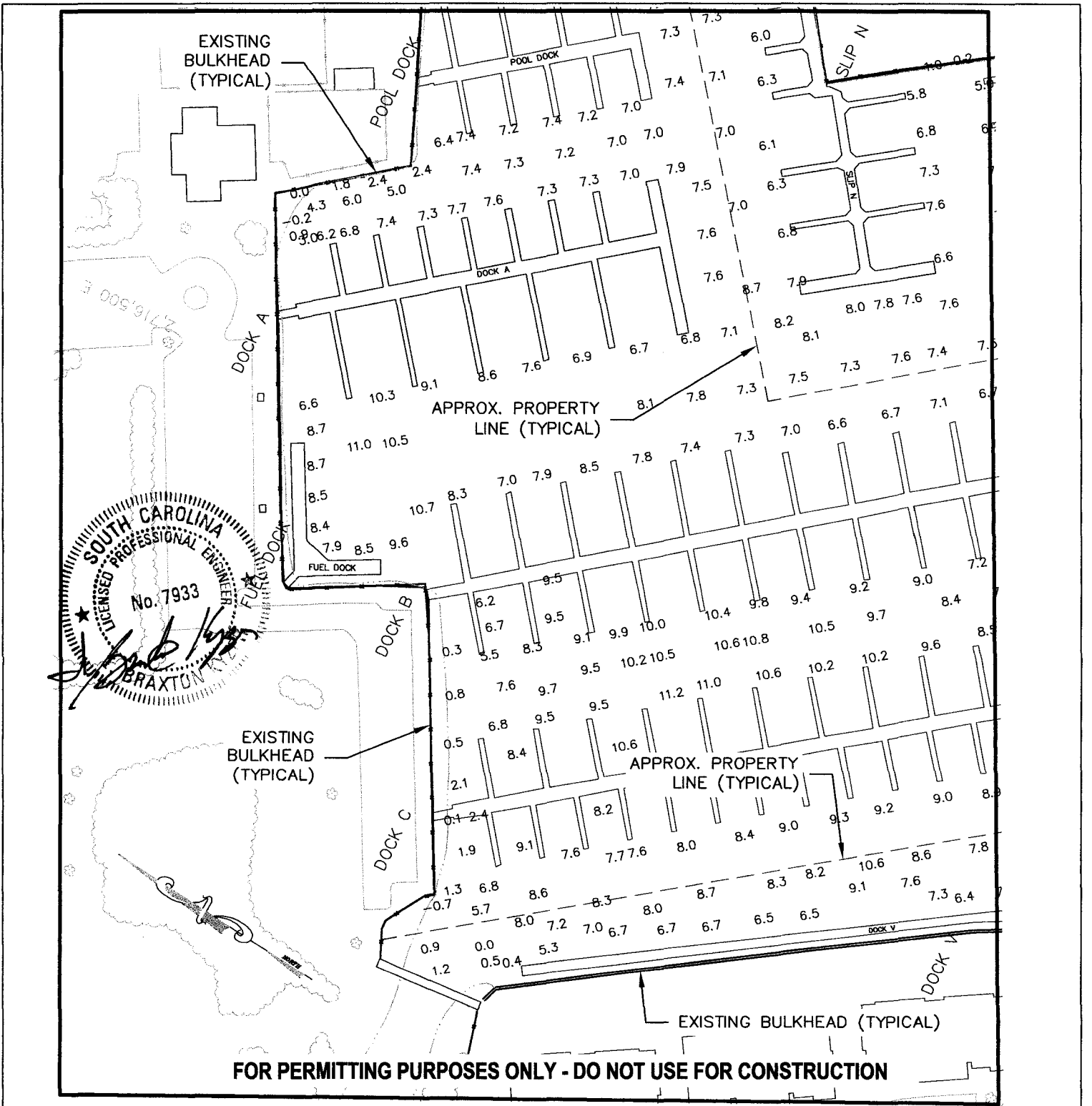
**DATE-** 09/04/14

**REVISION DATE-**

**PAGE-** 4 OF 17

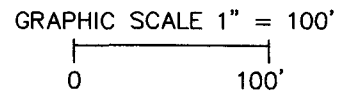
**SCALE-** 1" = 300'





**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

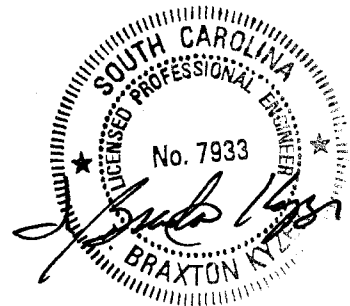
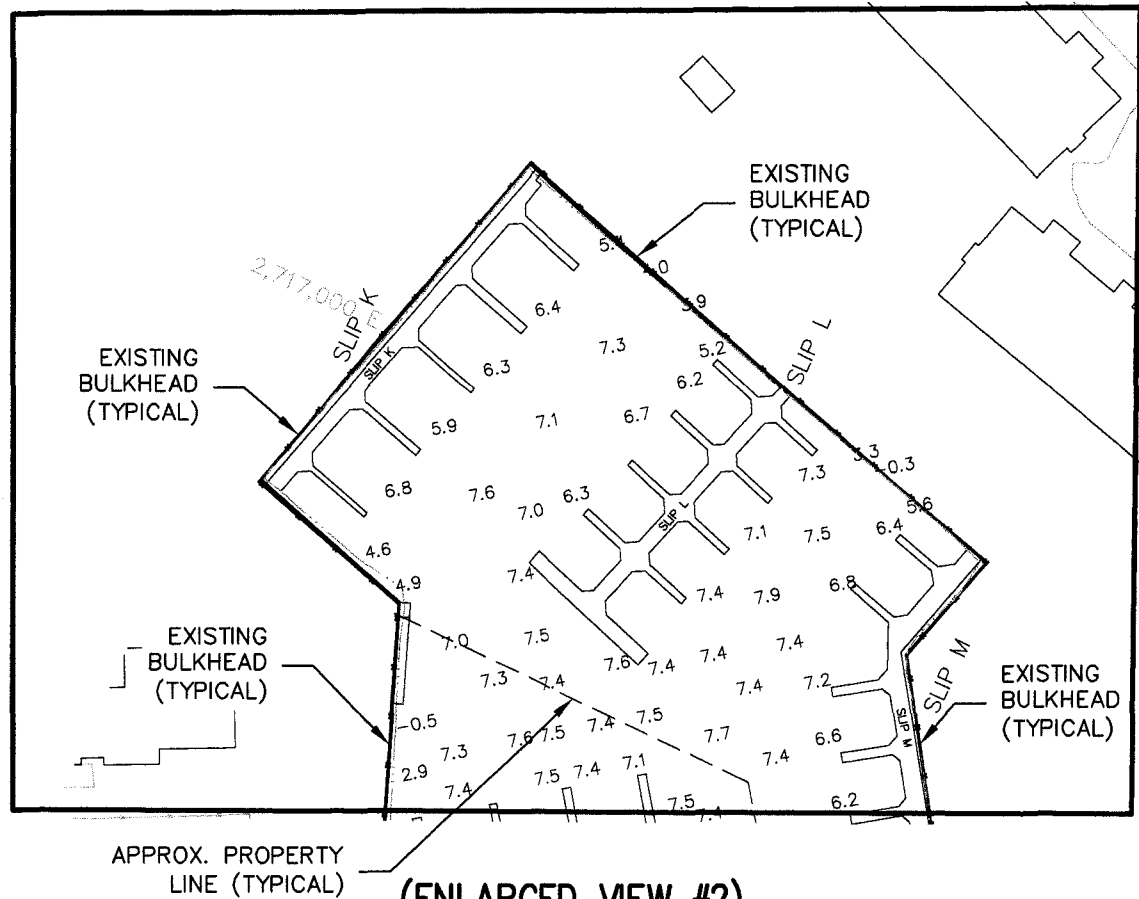
**(ENLARGED VIEW #1)**  
**EXISTING CONDITIONS**



# COQUINA HARBOR DREDGING JOINT VENTURE

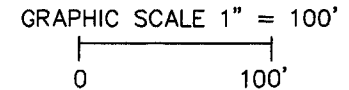
<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p> <p><b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP  <b>COUNTY:</b> HORRY      <b>STATE:</b> S.C.  <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY:</b> -          MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER:</b> - COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p> <p><b>AGENT:</b> -          BEAM &amp; ASSOCIATES          2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)          HARBOR GATE, SUITE 2105-A          NORTH MYRTLE BEACH, SC 29582          PHONE: (843) 814-7145</p>	
<p><b>DATE:</b> 09/04/14</p>	<p><b>REVISION DATE:</b></p>	<p><b>PAGE:</b> 5 OF 17</p>	<p><b>SCALE:</b> 1" = 100'</p>

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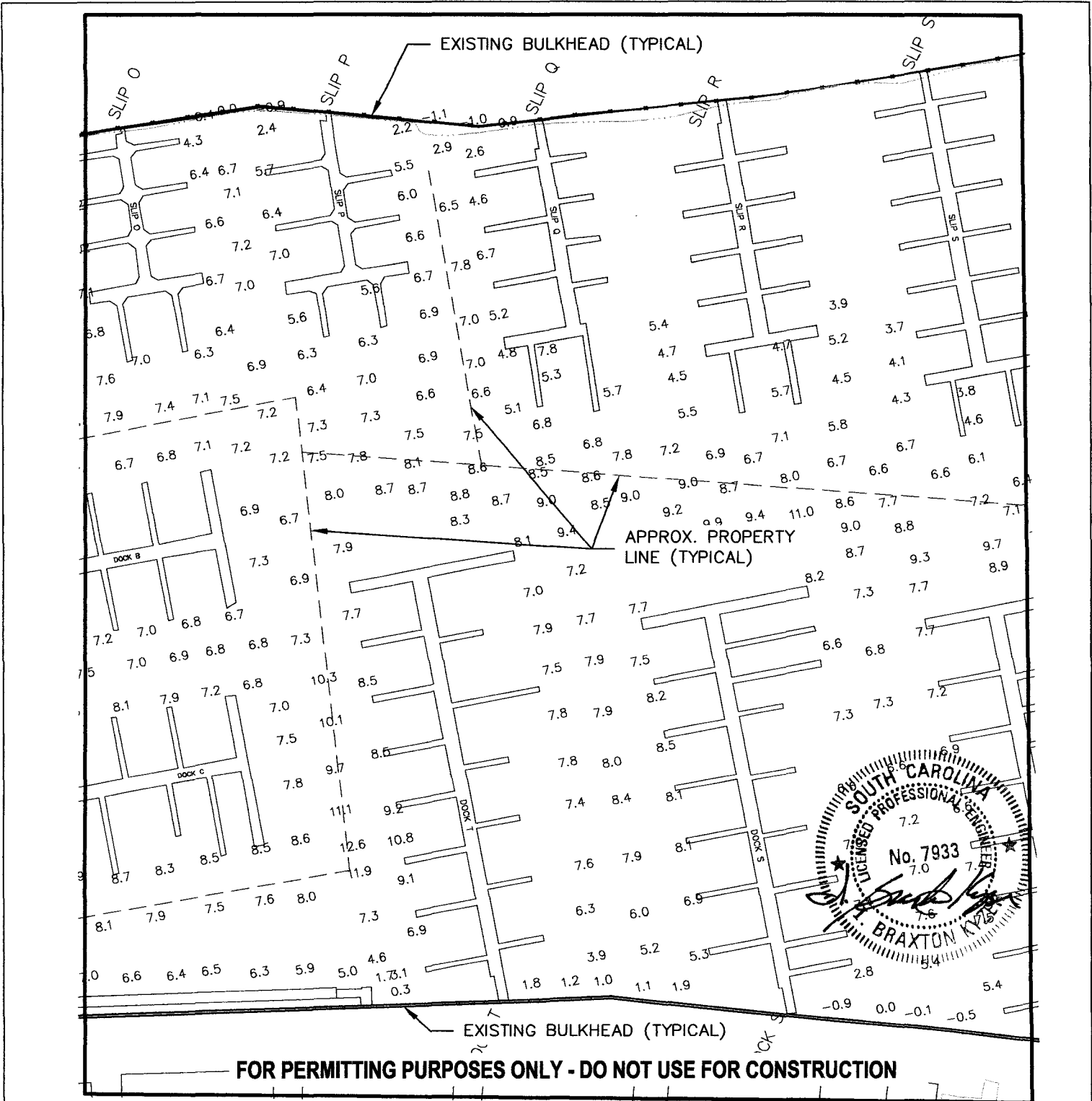
**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**(ENLARGED VIEW #2)**  
**EXISTING CONDITIONS**



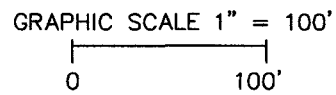
**COQUINA HARBOR DREDGING JOINT VENTURE**

<p><b>PROJECT NAME:</b>          COQUINA HARBOR DREDGING JOINT VENTURE  <b>CITY/TOWN-</b> LITTLE RIVER TOWNSHIP  <b>COUNTY-</b> HORRY      <b>STATE-</b> S.C.  <b>RIVER/WATER BODY-</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY -</b>          MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER -</b> COQUINA HARBOR DREDGING JOINT VENTURE, LLC.  <b>AGENT -</b>          BEAM &amp; ASSOCIATES          2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)          HARBOR GATE, SUITE 2105-A          NORTH MYRTLE BEACH, SC 29582          PHONE: (843) 814-7145</p>	
<p><b>DATE-</b> 09/04/14</p>	<p><b>REVISION DATE-</b></p>	<p><b>PAGE-</b> 6 OF 17</p>	<p><b>SCALE-</b> 1" = 100'</p>



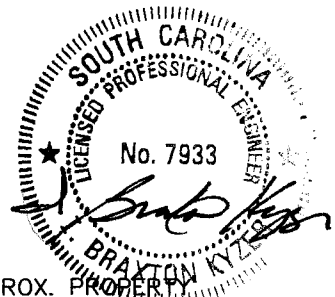
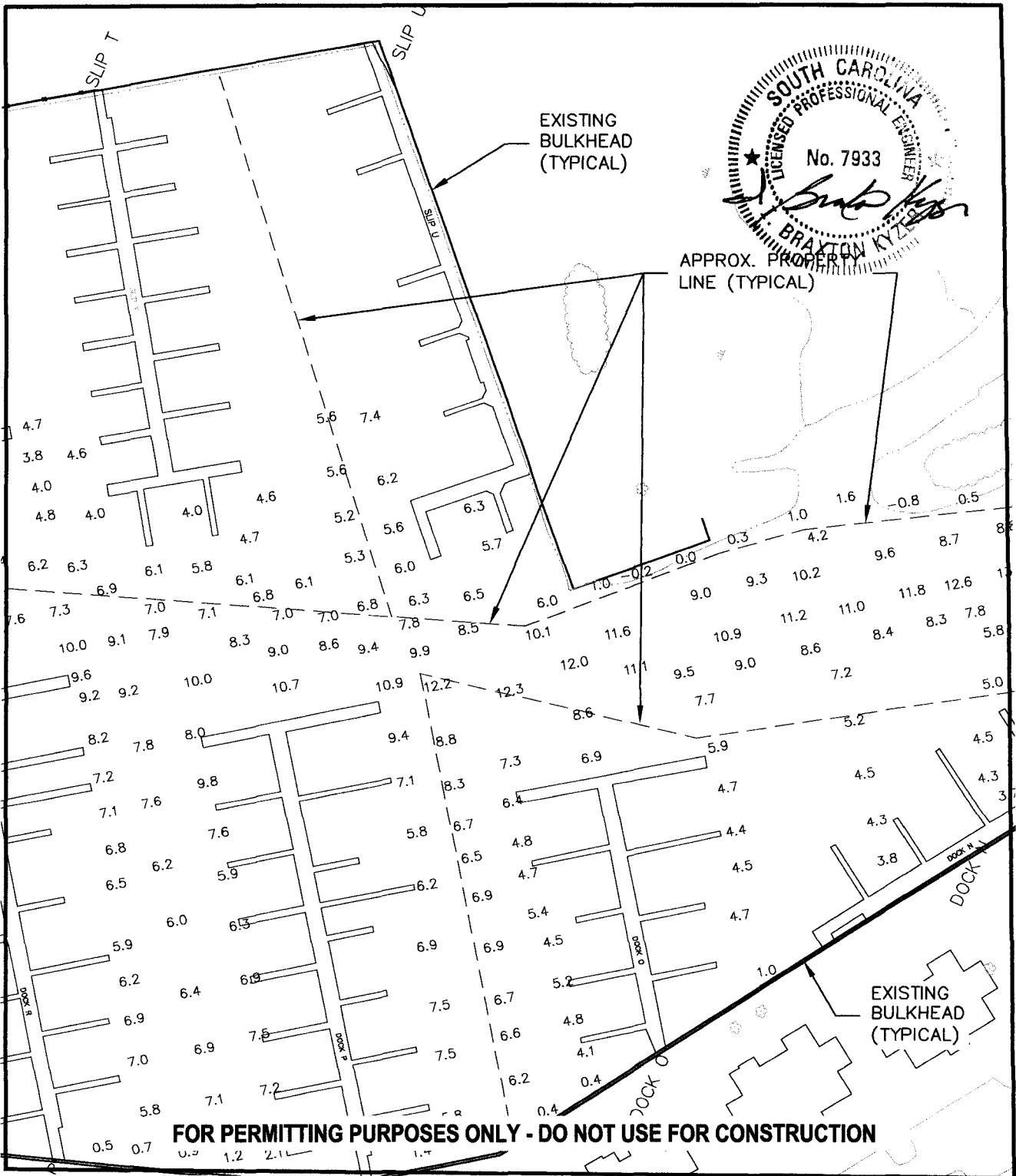
**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**(ENLARGED VIEW #3)**  
**EXISTING CONDITIONS**



# COQUINA HARBOR DREDGING JOINT VENTURE

<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p> <p><b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP  <b>COUNTY:</b> HORRY <b>STATE:</b> S.C.  <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY -</b>          MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER -</b> COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p> <p><b>AGENT -</b>          BEAM &amp; ASSOCIATES          2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)          HARBOR GATE, SUITE 2105-A          NORTH MYRTLE BEACH, SC 29582          PHONE: (843) 814-7145</p>
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EXISTING BULKHEAD (TYPICAL)

APPROX. PROPERTY LINE (TYPICAL)

EXISTING BULKHEAD (TYPICAL)

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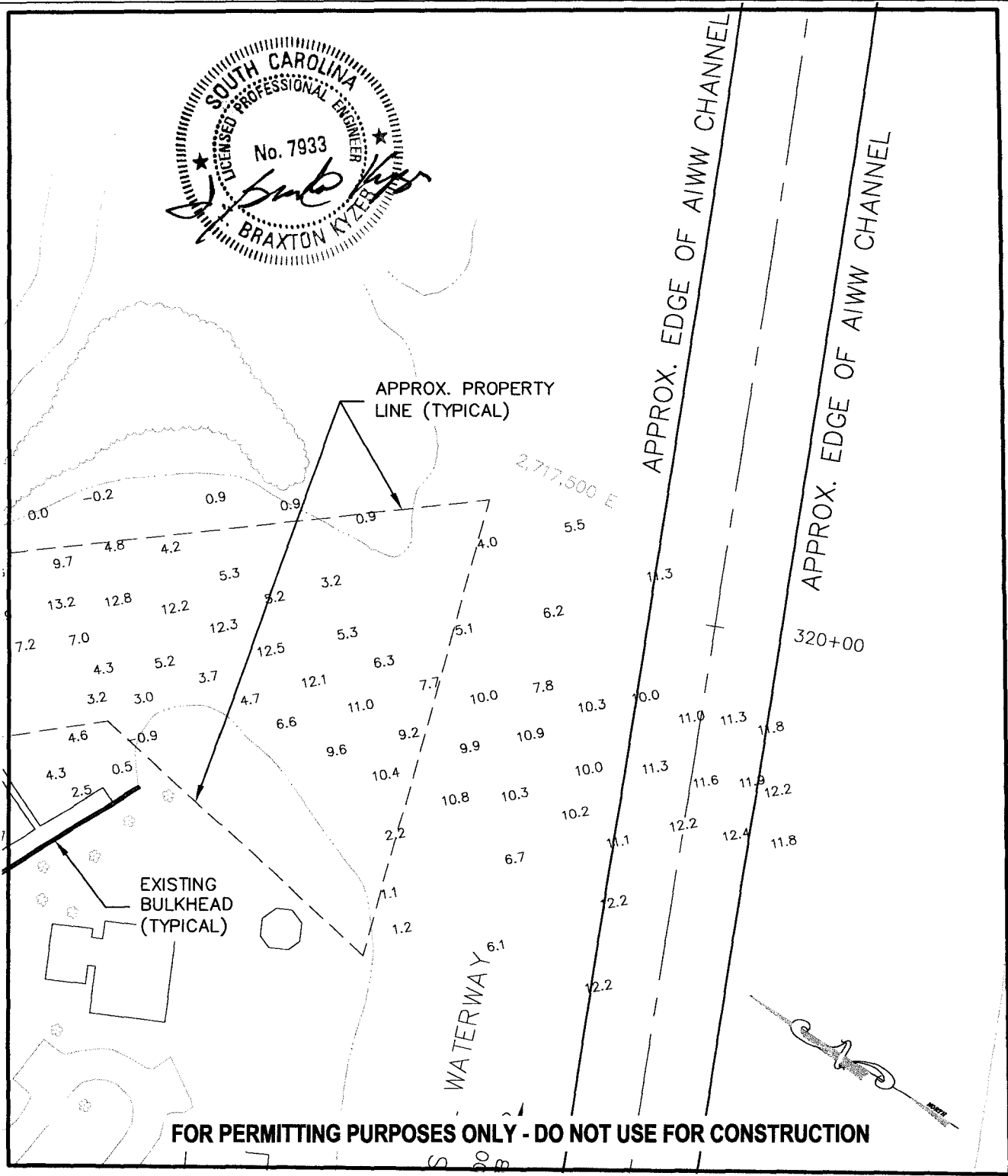
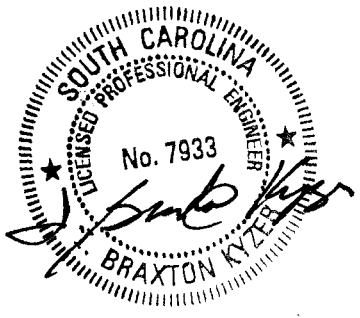
**LATITUDE: 33° 51' 49.84" N**  
**LONGITUDE: -78° 38' 19.81" W**

**(ENLARGED VIEW #4)**  
**EXISTING CONDITIONS**

GRAPHIC SCALE 1" = 100'  
 0 100'

**COQUINA HARBOR DREDGING JOINT VENTURE**

<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p>	<p><b>PROPOSED ACTIVITY -</b> MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER -</b> COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p>
<p><b>CITY/TOWN-</b> LITTLE RIVER TOWNSHIP  <b>COUNTY-</b> HORRY <b>STATE-</b> S.C.  <b>RIVER/WATER BODY-</b> INTRACOASTAL WATERWAY</p>	<p><b>AGENT -</b> BEAM &amp; ASSOCIATES 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238) HARBOR GATE, SUITE 2105-A NORTH MYRTLE BEACH, SC 29582 PHONE: (843) 814-7145</p>	



**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

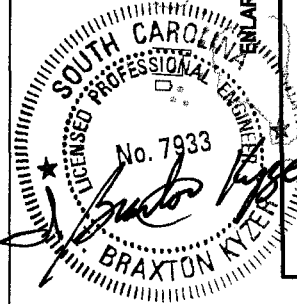
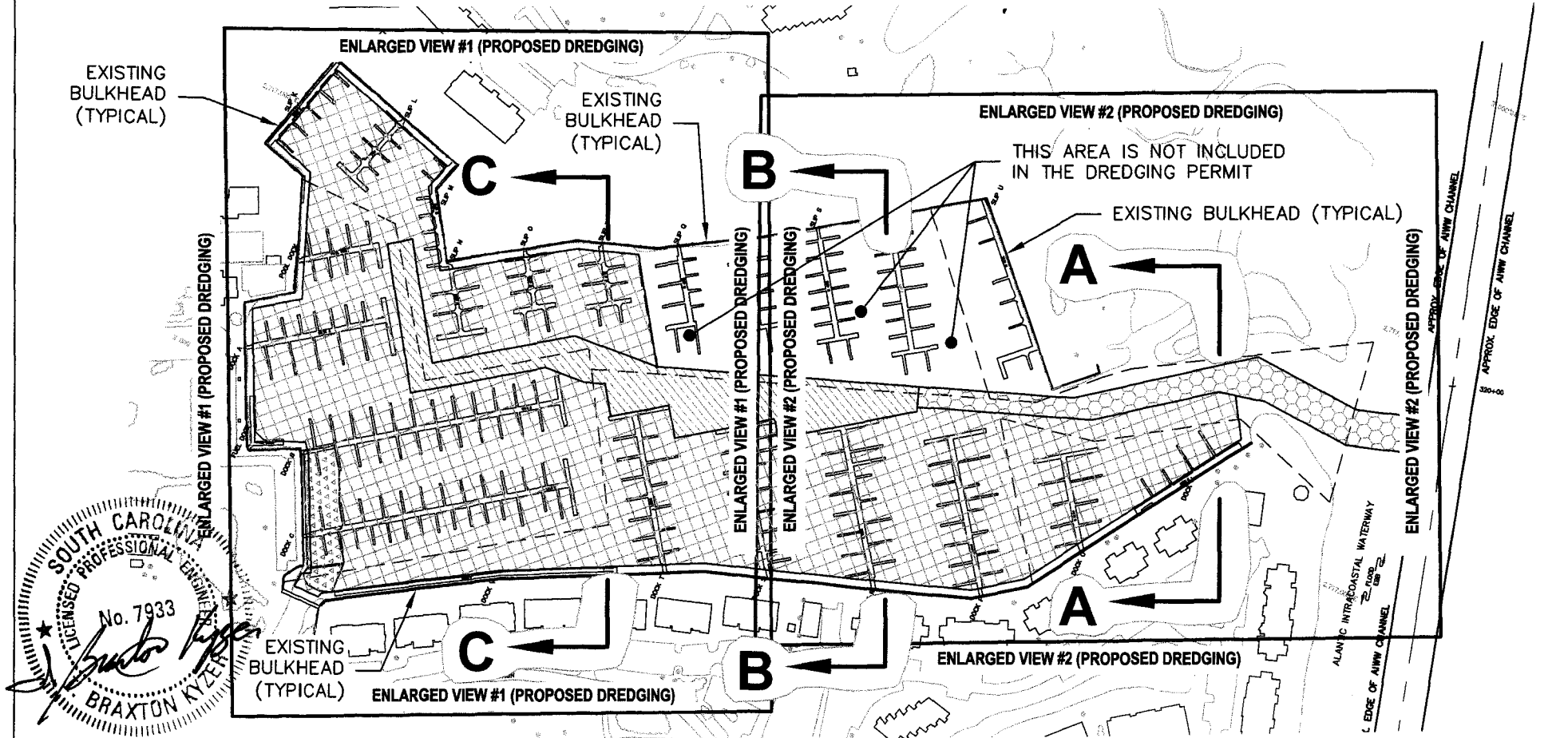
**(ENLARGED VIEW #5)**  
**EXISTING CONDITIONS**

GRAPHIC SCALE 1" = 100'  
 0 100'

# COQUINA HARBOR DREDGING JOINT VENTURE

<p><b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE</p> <p><b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP  <b>COUNTY:</b> HORRY <b>STATE:</b> S.C.  <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY:</b> -          MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER:</b> - COQUINA HARBOR DREDGING JOINT VENTURES, LLC.</p> <p><b>AGENT:</b> -          BEAM &amp; ASSOCIATES          2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)          HARBOR GATE, SUITE 2105-A          NORTH MYRTLE BEACH, SC 29582          PHONE: (843) 814-7145</p>
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FOR PERMITTING PURPOSES ONLY - DO NOT USE FOR CONSTRUCTION



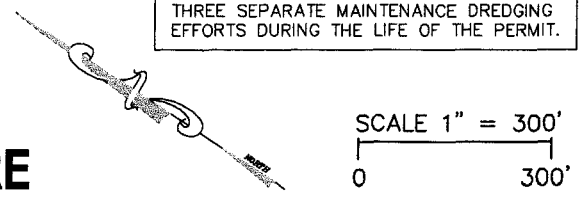
**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

REFER TO PAGE 11 AND PAGE 12 FOR ENLARGED VIEWS OF PROPOSED DREDGE AREAS WITH PROPOSED DREDGE DEPTHS.

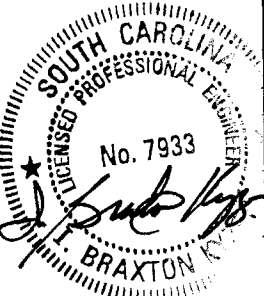
REFER TO PAGE 13, 14, AND 15 FOR CROSS SECTION VIEWS THROUGH THE PROPOSED DREDGE AREAS WITHIN THE MARINA BASIN AND ENTRANCE CHANNEL (SECTION A-A, SECTION B-B, & SECTION C-C).

**ESTIMATED DREDGE VOLUME:**  
 A TOTAL OF APPROXIMATELY 150,000 CY OF MATERIAL IS PLANNED TO BE DREDGED FROM THE MARINA OVER THE COURSE OF THREE SEPARATE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THE PERMIT.

**PROPOSED DREDGING LIMITS LAYOUT PLAN & KEY SHEET**  
**COQUINA HARBOR DREDGING JOINT VENTURE**

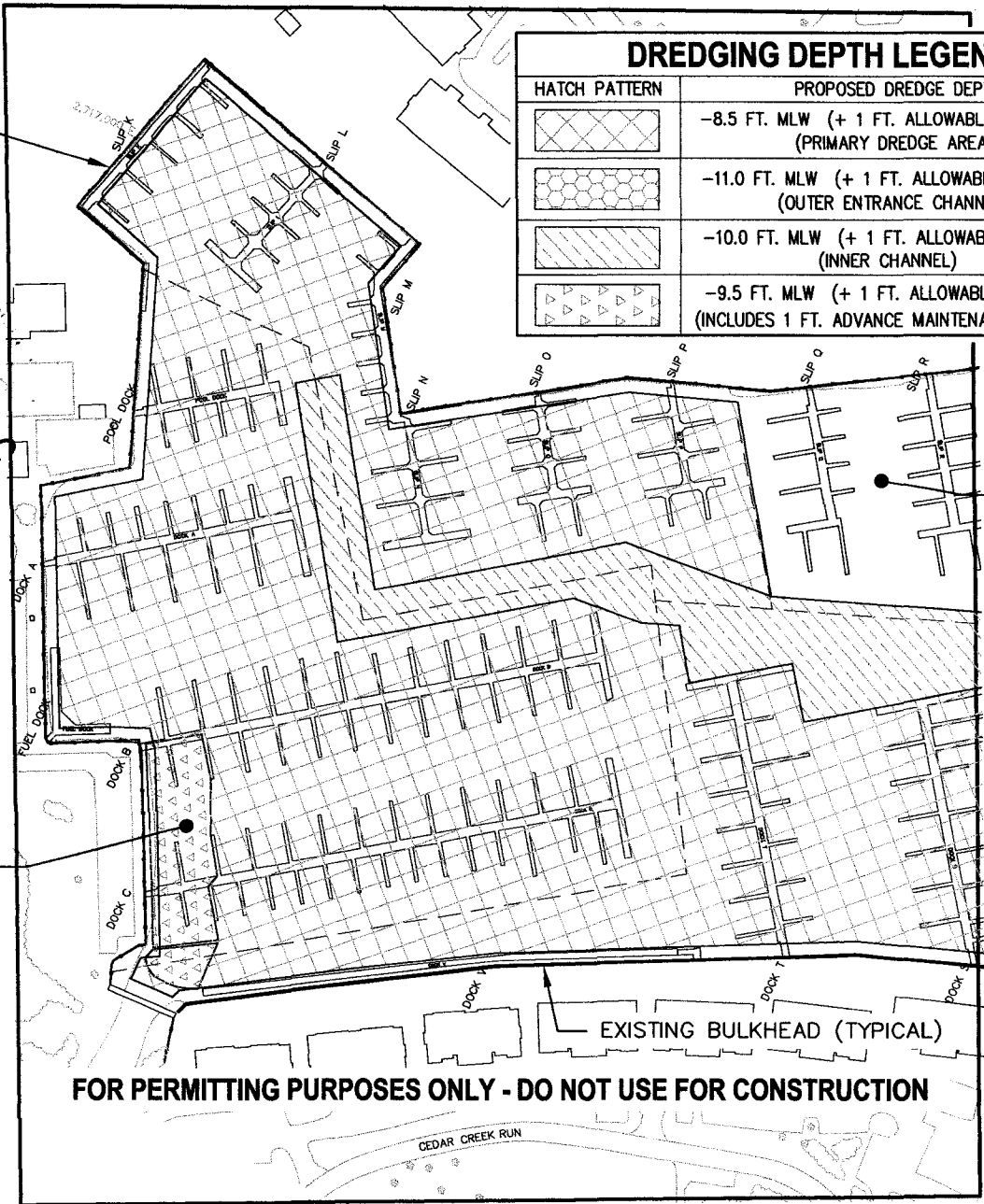


<b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE <b>CITY/TOWN-</b> LITTLE RIVER TOWNSHIP <b>COUNTY-</b> HORRY <b>STATE-</b> S.C. <b>RIVER/WATER BODY-</b> INTRACOASTAL WATERWAY		<b>PROPOSED ACTIVITY -</b> MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.		<b>OWNER -</b> COQUINA HARBOR DREDGING JOINT VENTURE, LLC.  <b>AGENT -</b> BEAM & ASSOCIATES 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238) HARBOR GATE, SUITE 2105-A NORTH MYRTLE BEACH, SC 29582 PHONE: (843) 814-7145	
<b>DATE-</b> 09/04/14	<b>REVISION DATE-</b>	<b>PAGE-</b> 10 OF 17	<b>SCALE-</b> 1" = 300'		



EXISTING BULKHEAD (TYPICAL)

DREDGING DEPTH LEGEND	
HATCH PATTERN	PROPOSED DREDGE DEPTH
	-8.5 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (PRIMARY DREDGE AREA)
	-11.0 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (OUTER ENTRANCE CHANNEL)
	-10.0 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (INNER CHANNEL)
	-9.5 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (INCLUDES 1 FT. ADVANCE MAINTENANCE DREDGING)



THIS AREA IS NOT INCLUDED IN THE DREDGING PERMIT

**PROPOSED:**  
DUE TO SEDIMENT MIGRATING DOWN CEDAR CREEK AND SETTLING OUT IN THE UPPER PORTION OF M.B.Y.C. MARINA, AN ADDITIONAL ONE (1) FOOT OF OVER-DEPTH IS REQUESTED IN ORDER TO MAINTAIN USEABLE DEPTH FOR A LONGER PERIOD OF TIME; (REF.: "2014 RECON REPORT ON CEDAR CREEK.")

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**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**ESTIMATED DREDGE VOLUME:**  
A TOTAL OF APPROXIMATELY 150,000 CY OF MATERIAL IS PLANNED TO BE DREDGED FROM THE MARINA OVER THE COURSE OF THREE SEPARATE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THE PERMIT.

GRAPHIC SCALE 1" = 200'  
0 200'

**ENLARGED VIEW #1 (PROPOSED DREDGING AREAS)**

**PROPOSED DREDGING LIMITS LAYOUT PLAN**

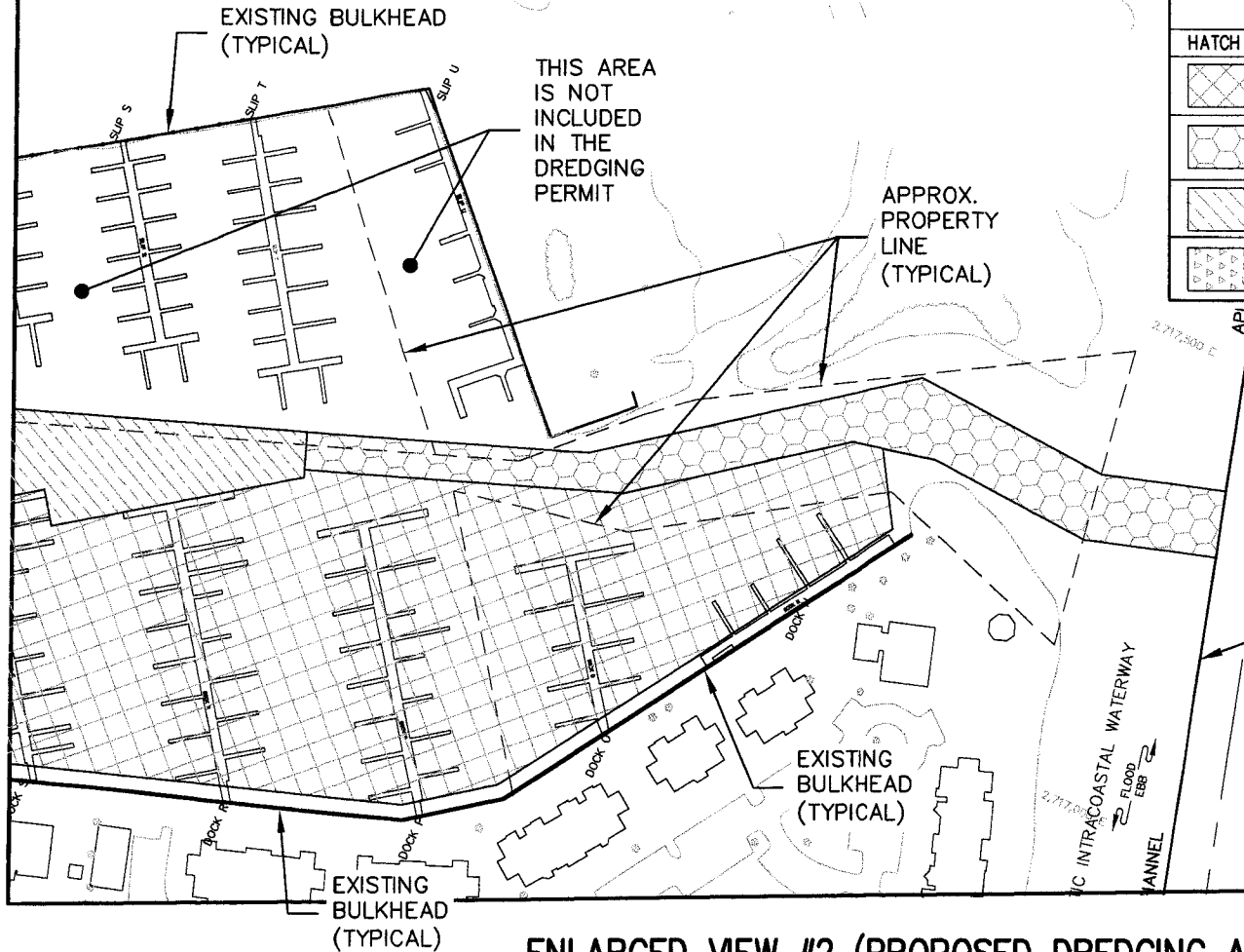
**COQUINA HARBOR DREDGING JOINT VENTURE**

**PROJECT NAME:**  
COQUINA HARBOR DREDGING JOINT VENTURE  
**CITY/TOWN-** LITTLE RIVER TOWNSHIP  
**COUNTY-** HORRY **STATE-** S.C.  
**RIVER/WATER BODY-** INTRACOASTAL WATERWAY

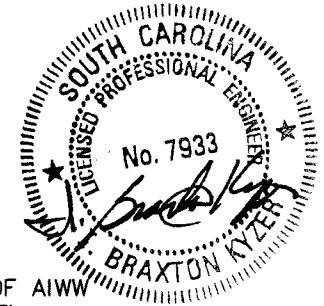
**PROPOSED ACTIVITY -**  
MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.

**OWNER -** COQUINA HARBOR DREDGING JOINT VENTURES, LLC.  
**AGENT -** BEAM & ASSOCIATES  
2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)  
HARBOR GATE, SUITE 2105-A  
NORTH MYRTLE BEACH, SC 29582  
PHONE: (843) 814-7145

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HATCH PATTERN	PROPOSED DREDGE DEPTH
	-8.5 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (PRIMARY DREDGE AREA)
	-11.0 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (OUTER ENTRANCE CHANNEL)
	-10.0 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (INNER CHANNEL)
	-9.5 FT. MLW (+ 1 FT. ALLOWABLE OVERDEPTH) (INCLUDES 1 FT. ADVANCE MAINTENANCE DREDGING)



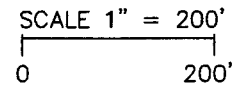
APPROX. EDGE OF AIWW FEDERAL CHANNEL

**ESTIMATED DREDGE VOLUME:**  
A TOTAL OF APPROXIMATELY 150,000 CY OF MATERIAL IS PLANNED TO BE DREDGED FROM THE MARINA OVER THE COURSE OF THREE SEPARATE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THE PERMIT.

**ENLARGED VIEW #2 (PROPOSED DREDGING AREAS)**

**PROPOSED DREDGING LIMITS LAYOUT PLAN**

**COQUINA HARBOR DREDGING JOINT VENTURE**

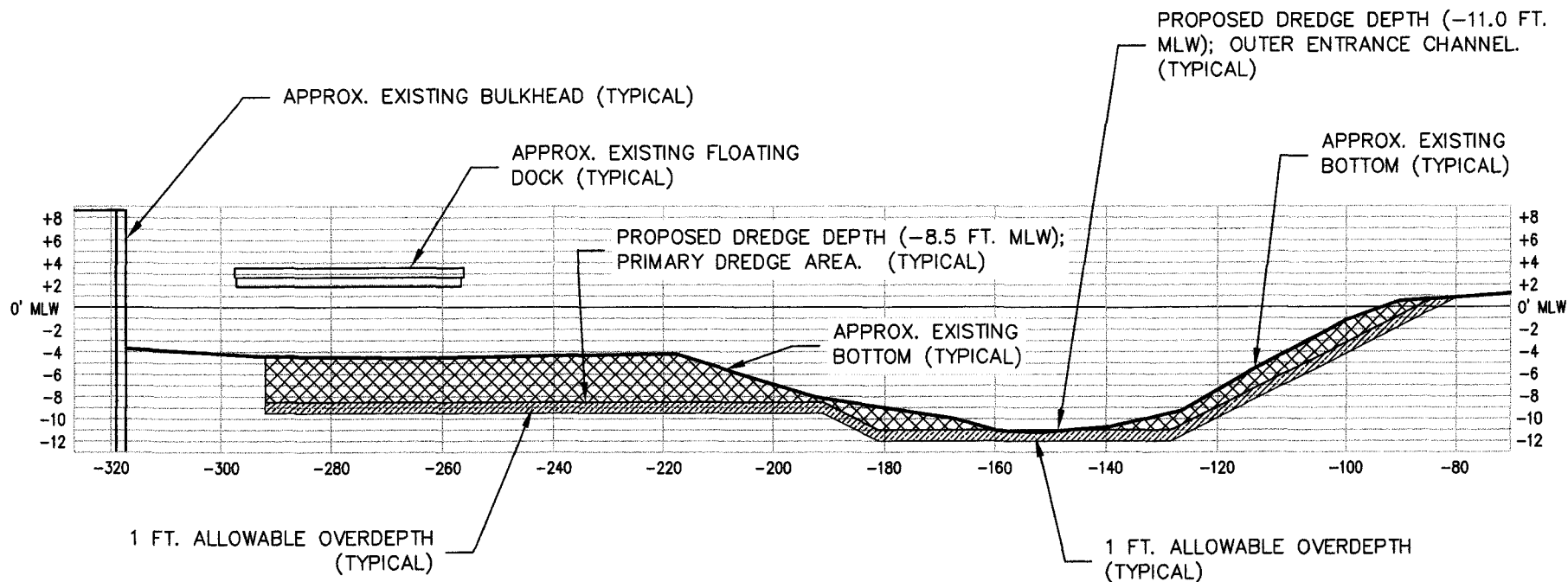


**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

<b>PROJECT NAME:</b> COQUINA HARBOR DREDGING JOINT VENTURE <b>CITY/TOWN:</b> LITTLE RIVER TOWNSHIP <b>COUNTY:</b> HORRY <b>STATE:</b> S.C. <b>RIVER/WATER BODY:</b> INTRACOASTAL WATERWAY		<b>PROPOSED ACTIVITY:</b> - MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.	<b>OWNER:</b> - COQUINA HARBOR DREDGING JOINT VENTURE, LLC.  <b>AGENT:</b> - BEAM & ASSOCIATES 2120 SEA MOUNTAIN HWY. (P.O. BOX 3238) HARBOR GATE, SUITE 2105-A NORTH MYRTLE BEACH, SC 29582 PHONE: (843) 814-7145
<b>DATE:</b> 09/04/14	<b>REVISION DATE:</b>	<b>PAGE:</b> 12 OF 17	<b>SCALE:</b> 1" = 200'



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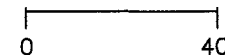


**SECTION A-A**

**ESTIMATED DREDGE VOLUME:**  
 A TOTAL OF APPROXIMATELY 150,000 CY OF MATERIAL IS PLANNED TO BE DREDGED FROM THE MARINA OVER THE COURSE OF THREE SEPARATE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THE PERMIT.



HORIZONTAL SCALE SCALE 1" = 40'



**LATITUDE:** 33° 51' 49.84" N  
**LONGITUDE:** -78° 38' 19.81" W

**COQUINA HARBOR DREDGING JOINT VENTURE**

<p><b>PROJECT NAME:</b>                  COQUINA HARBOR DREDGING JOINT VENTURE  <b>CITY/TOWN-</b> LITTLE RIVER TOWNSHIP  <b>COUNTY-</b> HORRY      <b>STATE-</b> S.C.  <b>RIVER/WATER BODY-</b> INTRACOASTAL WATERWAY</p>	<p><b>PROPOSED ACTIVITY -</b>                  MAINTENANCE DREDGING OF THE EXISTING MARINA BASIN TO PROVIDE ACCESS TO NAVIGABLE WATERS FOR RECREATIONAL PURPOSES FOR THE MEMBERS OF THE COQUINA HARBOR MARINA FACILITY.</p>	<p><b>OWNER -</b> COQUINA HARBOR DREDGING JOINT VENTURE, LLC.  <b>AGENT -</b>                  BEAM &amp; ASSOCIATES                  2120 SEA MOUNTAIN HWY. (P.O. BOX 3238)                  HARBOR GATE, SUITE 2105-A                  NORTH MYRTLE BEACH, SC 29582                  PHONE: (843) 814-7145</p>	
<p><b>DATE-</b> 09/04/14</p>	<p><b>REVISION DATE-</b></p>	<p><b>PAGE-</b> 13 OF 17</p>	<p><b>SCALE-</b> 1" = 40'</p>

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APPROX. EXISTING FLOATING DOCK (TYPICAL)

APPROX. EXISTING BULKHEAD (TYPICAL)

APPROX. EXISTING BOTTOM (TYPICAL)

PROPOSED DREDGE DEPTH (-8.5 FT. MLW); PRIMARY DREDGE AREA. (TYPICAL)

+4  
0' MLW  
-4  
-8

10 -320 -300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80

1 FT. ALLOWABLE OVERDEPTH (TYPICAL)

APPROX. EXISTING FLOATING DOCK (TYPICAL)

PROPOSED DREDGE DEPTH (-10.0 FT. MLW); INNER CHANNEL. (TYPICAL)

APPROX. EXISTING FLOATING DOCK (TYPICAL)

PROPOSED DREDGE DEPTH (-8.5 FT. MLW); PRIMARY DREDGE AREA. (TYPICAL)

APPROX. EXISTING BOTTOM (TYPICAL)

THIS AREA NOT INCLUDED IN DREDGING PERMIT

+8  
+4  
0' MLW  
-4  
-8

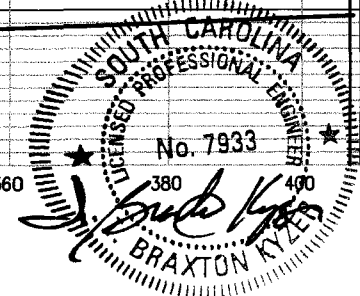
0 -60 -40 -20 0 20 40 60 80 100 120 140 160 180

1 FT. ALLOWABLE OVERDEPTH (TYPICAL)

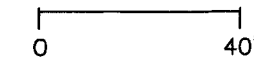
APPROX. EXISTING BULKHEAD (TYPICAL)

THIS AREA NOT INCLUDED IN DREDGING PERMIT

+8  
+4  
0' MLW  
-4  
-8  
180 200 220 240 260 280 300 320 340 360 380 400 420



HORIZONTAL SCALE 1" = 40'



**SECTION B-B**

**COQUINA HARBOR DREDGING JOINT VENTURE**

**DREDGE VOLUME:**  
APPROXIMATELY 150,000 CY OF MATERIAL IS PLANNED TO BE DREDGED FROM THE MARINA OVER OF THREE SEPARATE MAINTENANCE DREDGING EFFORTS DURING THE LIFE OF THE PERMIT.

**E: 33° 51' 49.84" N**  
**E: -78° 38' 19.81" W**

**NAME:**  
COQUINA HARBOR DREDGING JOINT VENTURE  
LITTLE RIVER TOWNSHIP  
RRY STATE- S.C.  
**BODY:** INTRACOASTAL WATERWAY

**PROPOSED ACTIVITY -**  
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