



C. Earl Hunter, Commissioner

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

August 31, 2011

City of Isle of Palms
C/o Linda Tucker
P.O. Box 508
Isle of Palms, SC 29451

**SEE SPECIAL
CONDITION(S)**

Re: **2010-1041-2IG**
City of Isle of Palms

Dear Ms. Tucker:

The SCDHEC Office of Ocean and Coastal Resource Management has reviewed your application to realign the beach in a shoal-attachment area on and adjacent to the Atlantic Ocean at a location limited to the area between 53rd Avenue and an existing groin near the 17th tee of the Links Course, on the northeastern end of the Isle of Palms, Charleston County, South Carolina, and has issued a permit for this work. You should carefully read any special conditions that have been placed on the permit, as these conditions will modify the permitted activity. In addition, there are a series of general conditions that should be reviewed. A copy of the permit, as issued, is enclosed. After carefully reading the permit, if you wish to accept the permit as issued, sign and date in the signature block entitled "PERMITTEE" on the original version of the permit **and return it to this Department. Keep the photocopy for your records.**

PLEASE READ CAREFULLY: You are required to sign and return the original version of your permit to this Department. If this permit is not signed and returned within thirty (30) days of issuance, OR appealed within 15 days as described on the enclosed "Notice of Appeal Procedure", the Department reserves the right to cancel this permit. Please carefully review the enclosed "Notice of Appeal Procedure" for information and deadlines for appealing this permit.

We have also enclosed a "request for a construction placard" card. You must send in this card before the time you wish to start construction. At that time a construction placard will be sent to you to post at the construction site.

PLEASE NOTE: You are not authorized to commence work under the permit until we have received the original version of the entire permit signed and accepted by you, and a construction placard has been issued and posted at the construction site. The receipt of this permit does not relieve you of the responsibility of acquiring any other federal or local permits that may be required.

Sincerely,

Wilbur C. Egan / for

Steven Brooks
Senior Regulatory Project Manager
Regulatory Programs Division

Enclosure

Cc: Blair Williams, Wetland Section Manager
Steven Straynum, Coastal Science and Engineering



C. Earl Hunter, Commissioner

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**SEE SPECIAL
CONDITION(S)**

Notice of Appeal Procedure
Pursuant to S.C. Code Section 44-1-60

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 calendar days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review accompanied by a filing fee in the amount of \$100 is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a timely written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393. A filing fee in the amount of \$100 made payable to SC DHEC must also be received by the Clerk within the time allowed for filing a request for final review. However, if a request for final review is filed by facsimile, the filing fee may be mailed to the Clerk of the Board if the envelope is postmarked within the time allowed for filing a request for final review.

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201
3. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 calendar days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due. A request for final review will be returned to the requestor if the filing fee is not received on time as described above.
4. The request for final review should include the following:
 - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
 - b. a statement of any significant issues or factors the Board should consider in deciding whether to conduct a final review conference
 - c. a copy of the Department's decision for which review is requested
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures. If the Board declines in writing to schedule a final review conference, the Department's decision becomes the final agency decision and an applicant, permittee, licensee, or affected person may request a contested case hearing before the Administrative Law Court within 30 calendar days after notice is mailed that the Board declined to hold a final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.

July 1, 2010



C. Earl Hunter, Commissioner

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

CRITICAL AREA & WATER QUALITY CERTIFICATION PERMIT

Permittee: City of Isle of Palms

Permit Number: 2010-1041-2IG

Date of Issuance: August 31, 2011

Expiration Date: August 31, 2016

Location: On and adjacent to the Atlantic Ocean at a location limited to the area between 53rd Avenue and an existing groin near the 17th tee of the Links Course, on the northeastern end of the Isle of Palms, Charleston 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 proposed work consists of periodic realignment of the beach in shoal-attachment areas as part of a long-term shoal management plan. Up to 300,000 cubic yards (CY) may need to be transferred during any given shoal management event, to sufficiently reduce the impact of an attaching shoal on adjacent areas. The actual shoal management event frequency and quantity of sand to be transferred will depend on the condition of the beach in both the fill and excavation areas, as well as the predicted impacts of developing bypass events. The condition of the beach, as surveyed in March 2010, indicates up to 200,000 CY

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should be transferred from the accretion area to eroded areas to maintain the desired beach condition. This quantity, as well as the exact limits of the work, will be refined by another survey prior to commencement of the work, due to the rapidity of shoreline changes associated with shoal-bypass events. Excavations will be performed via hydraulic hoes or scraper pans, depending on contractor's preference, and will begin at the seaward most accessible portion of the beach. Excavation in the shallow, underwater portion of the beach will allow for incoming sand to rapidly fill any low areas created by the excavation. It will also limit the amount of dry beach utilized in the transfer. Excavation depths will be limited to a specified elevation, likely -6 ft NAVD (-3.0 ft MLLW), unless otherwise specified by resource agencies. Sand will be transferred by off-road trucks or equivalent, operating on the low-tide beach. Fill volume in areas receiving sand will vary depending on beach condition at the time of the project. In the area currently showing focused erosion (in the vicinity of Seascape and Beach Club Villas), the March 2010 condition showed approx. 40 cubic yards per foot (cy/ft) less volume than the March 2009 condition and -80 cy/ft less volume than the July 2008 condition (post-nourishment). In the current configuration, the shoal-management project would restore the quantity of sand in these areas to near post-nourishment condition, which would align the beach in a more stable configuration by reducing the "bulge" currently present in the accretion area. Fill will be placed in the form of a berm of variable width at the natural dry-sand beach level (approximately +6 ft NAVD). The seaward edge of the fill will be sloped in the offshore direction generally on 1 on 20 slope to the existing beach. It is anticipated that each shoal management event will be accomplished in less than two calendar months. A buffer distance from the existing building line will be established to ensure a sufficient volume of sand remains landward of the borrow area to provide habitat, recreational area, and storm protection. Analysis of beach profiles dating to the 1980s confirms that a 400-ft buffer distance is appropriate for this region of Isle of Palms. This buffer would allow for approximately one-year's worth of the maximum observed historical erosion, and would still leave sufficient beach volume for a healthy beach (ie. - typical Isle of Palms beach width and volume in the absence of shoal attachment effects). It is unlikely that erosion in the shoal attachment area would exceed that which is predicted using the maximum historical erosion rate over any one-year period. A project would only be undertaken if the beach condition reached a pre-established "trigger." This trigger would be the distance from the +5 ft NAVD contour (approximate normal high-tide swash line) to the building line (Sheet 07). The applicant proposes a trigger of 100 ft, with consideration given to the time of year, permitted construction window, and expected future shoreline trends (i.e. - the stage of the shoal attachment process which signals whether an increase in erosion would likely occur in the project area). The City of the Isle of Palms has established an ongoing beach monitoring program to document sand volumes along the entire beach. Pre- and post-project surveys of the beach and offshore area in the project vicinity will be performed to verify sand volumes, beach condition, shoreline change trends; to identify the position of the +5 ft contour relative to the building line; and to monitor the scale and anticipated movements of offshore and near shore shoals.

The overall purpose of the proposed work is to maintain beach habitat, recreation area, and storm protection by redistributing incoming sand from inlet shoal-bypass events. Such redistribution is necessary to mitigate significant localized erosion which accompanies these events. The specific goals of the project are to:

- 1) Reduce the potential for erosion to reach a point where no dry beach remains.
- 2) Reduce or eliminate the need for emergency sandbagging during shoal bypass events.
- 3) Maintain nesting habitat for turtles.
- 4) Facilitate dune growth improving habitat and storm protection.
- 5) Maintain recreational, dry-beach area during all stages of the tide.

**SEE SPECIAL
CONDITION(S)**

It is the applicant's goal to perform sand redistribution as infrequently as practicable so as to leave the project area undisturbed as long as possible between events, while still maintaining habitat, protecting, and recreation area. During any given five-year period of the permit, it is anticipated that no more than 500,000 cubic yards would be transferred. It is the applicant's preference to do fewer large scale transfers

(e.g. - two events totaling up to approx. 250,000 cy each) rather than a series of small, annual events, (e.g. - four events totaling approx. 125,000 cy each). Further, the applicant desires to perform the work during winter when biological impacts are expected to be lessened. Sand redistribution events involving - approx. 250,000 CY can be accomplished in less than two months. Previous experience indicates the beach profile in the borrow and fill areas equilibrates rapidly. Winter construction would also be timed for dune planting and to avoid turtle nesting season.

With regard to mitigation, the applicant states that "The proposed project follows a 2008 beach re-nourishment project in the area, which added approx. 885,000 CY of sand to the beach. The project restored - 10,200 linear ft of beach, much of which had little or no dry beach present. The condition of the beach was severe enough to lead resource agencies suggesting summer construction of the project. Nourishment created approx. 58.5 acres of dry beach habitat (CSE 2008). Following the project, the City and community of Wild Dunes arranged for sand fencing and vegetative plantings, which have contributed to significant dune growth seaward of the building line. The current project seeks to maintain the habitat created from that project and to avoid potential environmentally damaging conditions associated with severe erosion into a developed area. The project is thought to be sensitive in that it will expedite an already occurring natural process. No estuarine or freshwater wetlands will be impacted during the project. Sand from shoals which are already attached to the beach and accessible by land based equipment (i.e., not offshore or emergent shoals) will be transferred from one area to another. By protecting dune and dry beach habitat, the City of Isle of Palms considers the proposed project beneficial to the natural resources present at the northeast end of the island, and feels further mitigation efforts are not warranted. In addition, the City has committed to an extensive beach monitoring program as part of its long-term beach management plan. The monitoring plan involved detailed surveys of the beach condition, dune growth, inlet channels, ebb-tidal deltas, and sediment quality. The surveys of the ebb tidal deltas of Dewees Inlet and Breach Inlet represent some of the most detailed (temporarily and spatially) surveys of ebb-tidal deltas in South Carolina ever conducted. They show the movements of channels and shoals, and are currently being used to predict how they will impact the adjacent beach in the near future. The changes in the inlet delta shown by the surveys, and experience in similar events at Isle of Palms, are the justification of the proposed project. Without redistributing the sand as it attaches to the beach, significant dry beach and dune habitat will rapidly be lost, leading to a condition similar to what was present between 2004 and 2008 which led to the nourishment project."

CRITICAL AREA PERMIT SPECIAL CONDITIONS

1. Provided it is understood that the DHEC-Bureau of Water (BOW) 401 water quality certification is waived (see Attachment A).
2. Provided the permittee demonstrate by a stamped and signed survey and pictorial documentation that the building line is 100' or less away from the +5 ft NAVD contour line (approximate normal high tide swash line). This must be done before a construction placard can be issued.
3. Provided that surveys of the shoal borrow area are conducted immediately following excavation and again one year later, to document the initial post-project configuration and evaluate any significant change after one year.
4. Provided that no work can be performed during the i.e.-laying portion of turtle nesting season (May 1–August 15). Any work performed during the i.e.-hatching portion of turtle nesting season (August 16-October 31) must be coordinated with the local Isle of Palms turtle nest patrol, to avoid any impacts to turtle nests in the work area. No work can be performed at night during the August 16-October 31 time period.

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**SEE SPECIAL
CONDITION(S)**

5. Provided all necessary measures must be taken to prevent oil, tar, trash, debris, and other pollutants from entering the adjacent waters or wetlands.
6. Provided that in order to minimize the amount of fines settling in the area and hasten the overall recovery, excavation and/or dredging should be conducted in a manner to insure that the underlying mud bottoms are not disturbed.
7. Provided that during the turtle nesting season, construction equipment and materials must be stored in a manner that will minimize impacts to sea turtles to maximum extent possible.
8. Provided that during May, June, and July, lighting associated with project must be minimized to reduce the possibility of disrupting or disorienting nesting and/or hatchling sea turtles.
9. Provided the project must be constructed and maintained according to the natural slope of the beach.
10. 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.

**SEE SPECIAL
CONDITION(S)**

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.

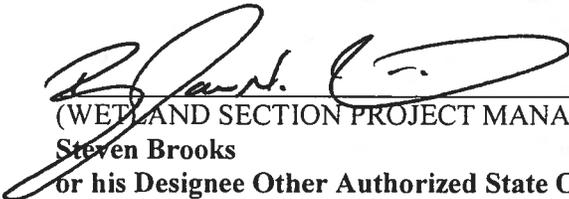
2010-1041-2IG

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

(PERMITTEE)
City of Isle of Palms

(DATE)

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)
Steven Brooks
or his Designee Other Authorized State Official

8/31/2011

(DATE)

**SEE SPECIAL
CONDITION(S)**

GENERAL CONDITIONS:

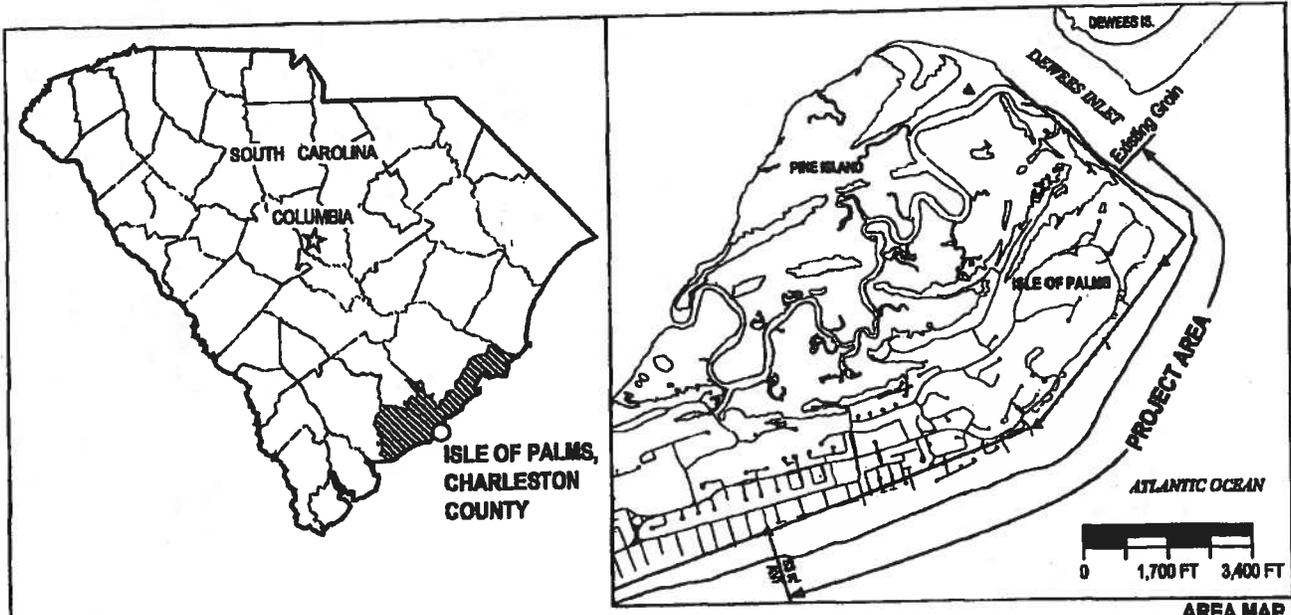
This construction and use permit is expressly contingent upon the following conditions which are binding on the permittee:

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)**

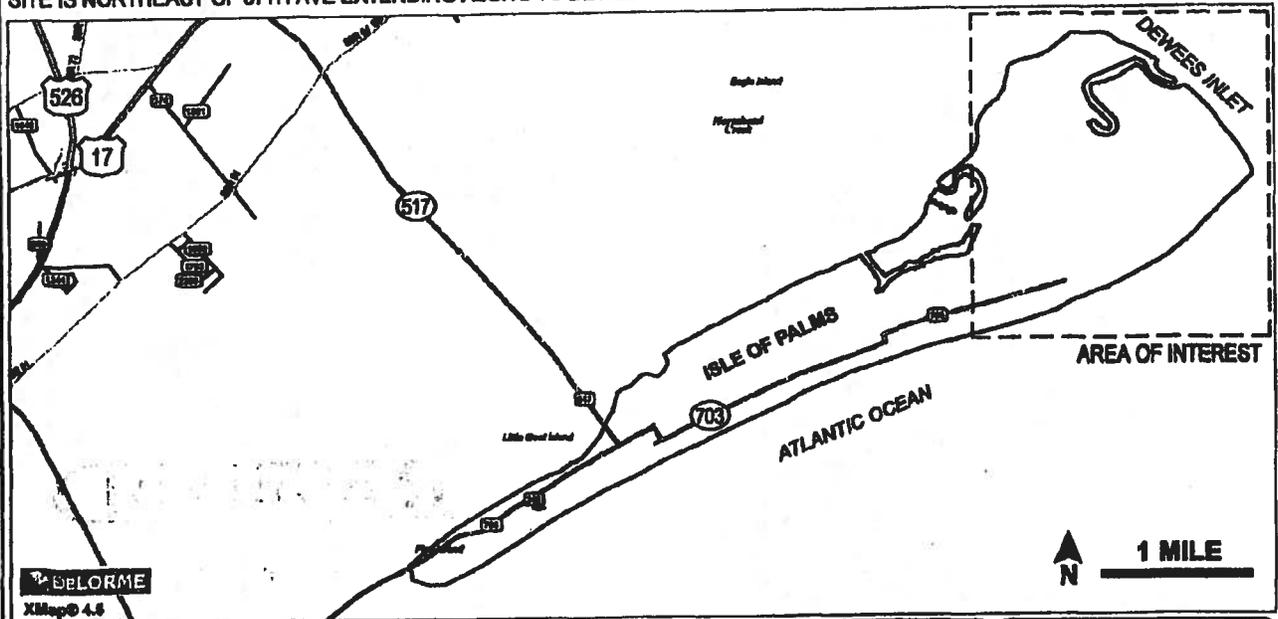
6 of 14

SEE SPECIAL CONDITION(S)



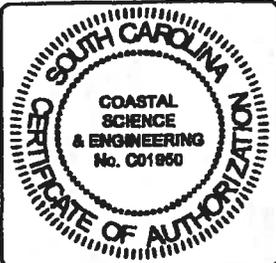
DIRECTIONS:

FROM CHARLESTON, TAKE US-17 NORTH. TURN RIGHT ONTO SC 517 (ISLE OF PALMS CONNECTOR). TURN LEFT ONTO PALM BLVD. SITE IS NORTHEAST OF 57TH AVE EXTENDING ALONG TO DEWEES INLET ON THE NORTHEAST END OF ISLE OF PALMS.



APPLICANT:
CITY OF ISLE OF PALMS
PO DRAWER 508
ISLE OF PALMS SC 29451

DRAWING TITLE:
VICINITY MAP

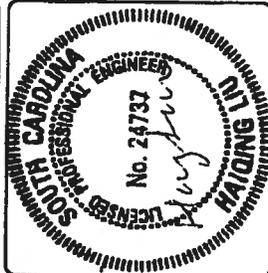
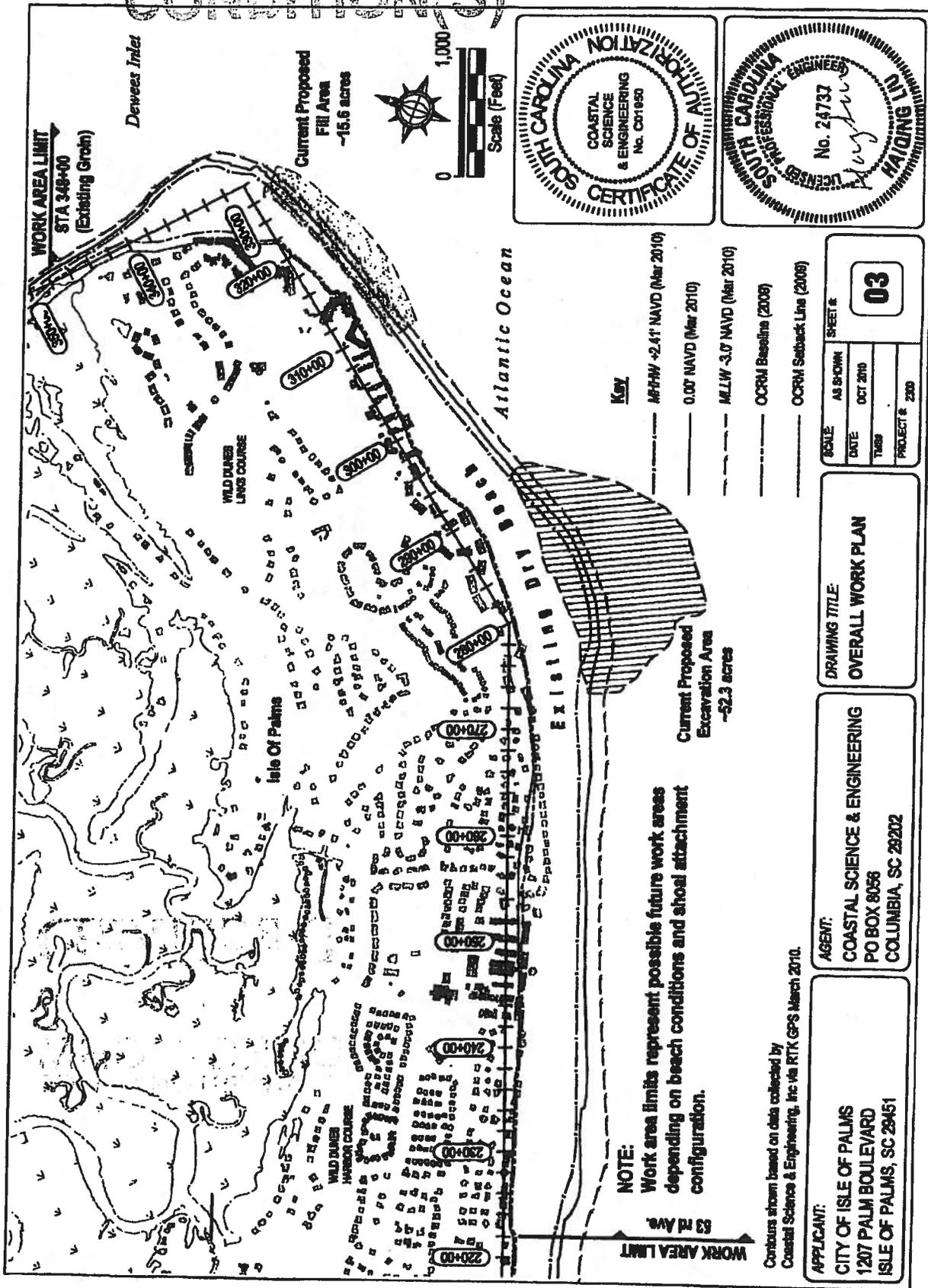


AGENT: P/N 2010...
COASTAL SCIENCE & ENGINEERING
PO BOX 8056
COLUMBIA, SC 29202

SCALE: AS SHOWN
DATE: OCT 2010
TIME:
PROJECT #: 2300

SHEET #:
01

SEE SPECIAL CONDITIONS)



Key

---	MHHW +2.41 NAVD (Mar 2010)
---	0.00 NAVD (Mar 2010)
---	MLLW -3.0 NAVD (Mar 2010)
---	OCRM Baseline (2009)
---	OCRM Setback Line (2009)

NOTE:
Work area limits represent possible future work areas depending on beach conditions and shoal attachment configuration.

Contours shown based on data collected by Coastal Science & Engineering, Inc. via RTK GPS March 2010.

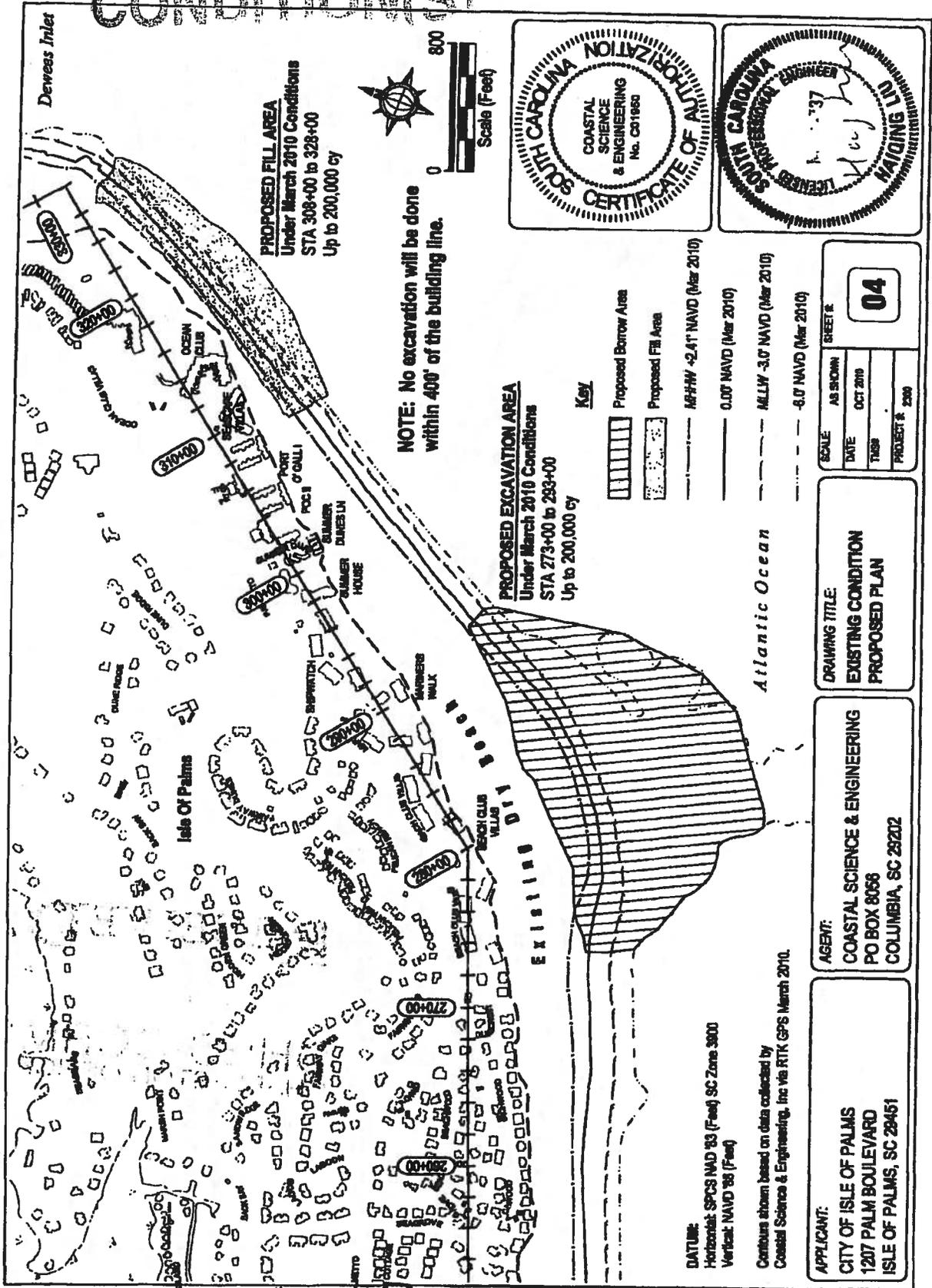
SCALE	AS SHOWN	SHEET #	03
DATE	OCT 2010		
TIMER			
PROJECT #	220		

DRAWING TITLE:
OVERALL WORK PLAN

AGENT:
COASTAL SCIENCE & ENGINEERING
PO BOX 8056
COLUMBIA, SC 29202

APPLICANT:
CITY OF ISLE OF PALMS
1207 PALM BOULEVARD
ISLE OF PALMS, SC 29451

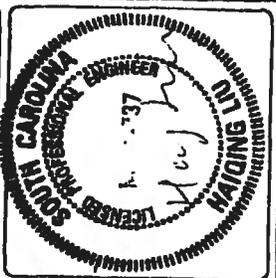
SEE SPECIAL CONDITION(S)



PROPOSED FILL AREA
Under March 2010 Conditions
STA 308+00 to 328+00
Up to 200,000 cy

NOTE: No excavation will be done within 400' of the building line.

PROPOSED EXCAVATION AREA
Under March 2010 Conditions
STA 273+00 to 293+00
Up to 200,000 cy



- Key**
- Proposed Borrow Area
 - Proposed Fill Area
 - MHHW +2.41' NAVD (Mar 2010)
 - 0.00' NAVD (Mar 2010)
 - MLLW -3.0' NAVD (Mar 2010)
 - 8.0' NAVD (Mar 2010)

SCALE	AS SHOWN	SHEET #
DATE	OCT 2010	04
TITLE		
PROJECT #	200	

DRAWING TITLE:
EXISTING CONDITION
PROPOSED PLAN

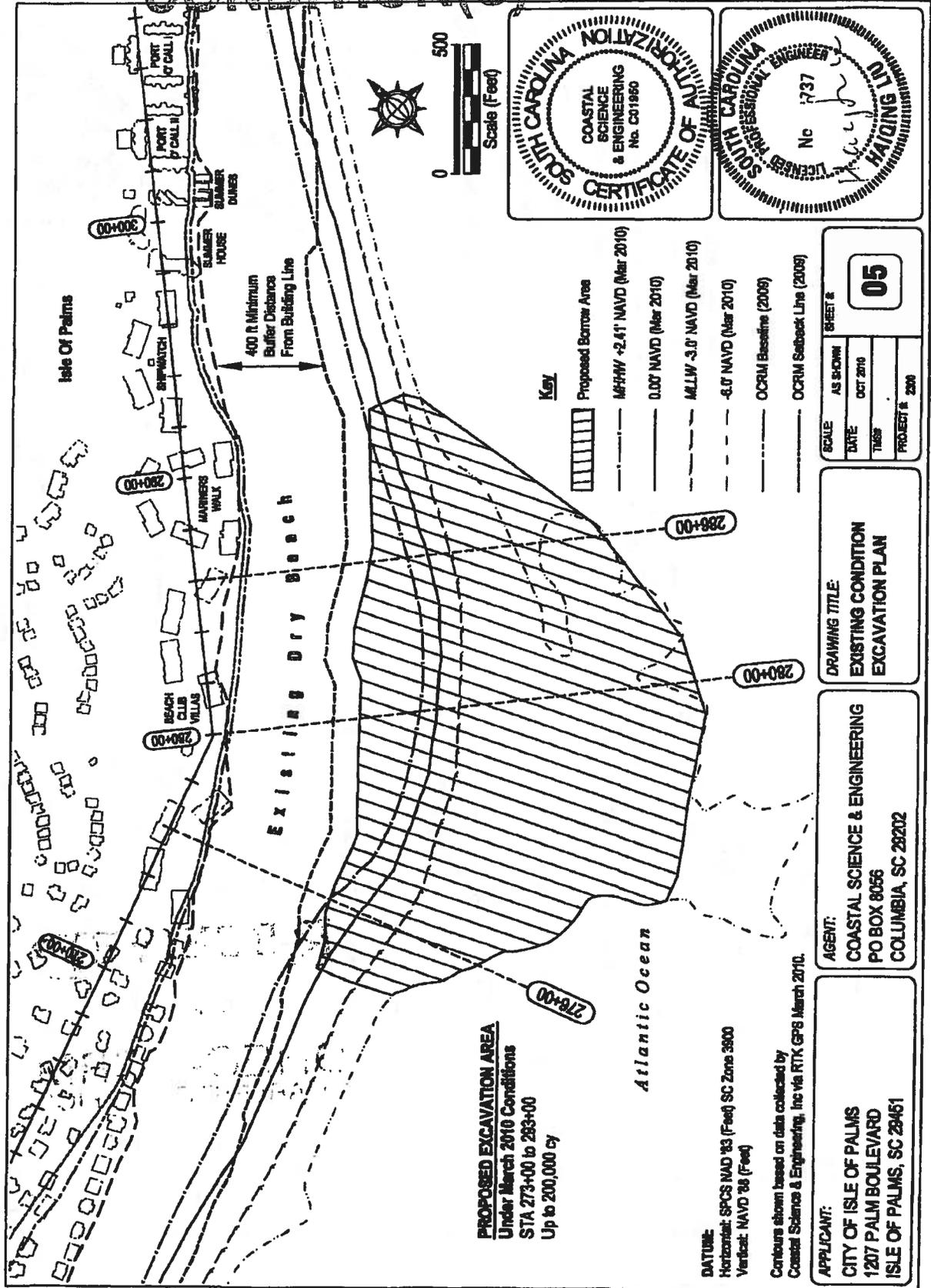
AGENT:
COASTAL SCIENCE & ENGINEERING
PO BOX 8056
COLUMBIA, SC 29202

APPLICANT:
CITY OF ISLE OF PALMS
1207 PALM BOULEVARD
ISLE OF PALMS, SC 29461

DATUM:
Horizontal: SPCS NAD 83 (Feet) SC Zone 3000
Vertical: NAVD 88 (Feet)

Contours shown based on data collected by Coastal Science & Engineering, Inc. via RTK GPS March 2010.

SEE SPECIAL CONDITION(S)



PROPOSED EXCAVATION AREA
Under March 2010 Conditions
STA 273+00 to 283+00
Up to 200,000 cy

DATUM:
Horizontal: SPCS NAD 83 (Feet) SC Zone 3900
Vertical: NAVD 88 (Feet)

Contours shown based on data collected by
Coastal Science & Engineering, Inc via RTK GPS March 2010.

SCALE	AS SHOWN	SHEET #	05
DATE	OCT 2010		
TITLE			
PROJECT #	2300		

DRAWING TITLE:
EXISTING CONDITION
EXCAVATION PLAN

AGENT:
COASTAL SCIENCE & ENGINEERING
PO BOX 8056
COLUMBIA, SC 29202

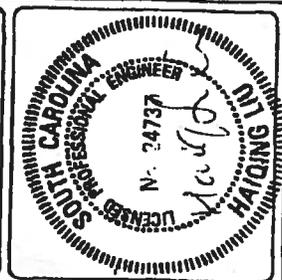
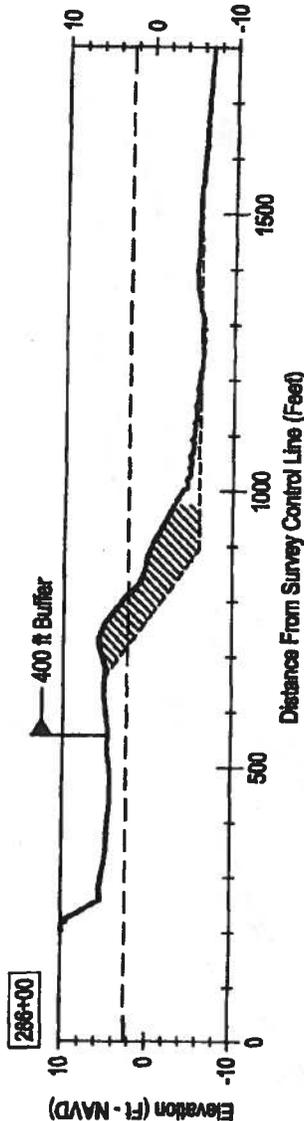
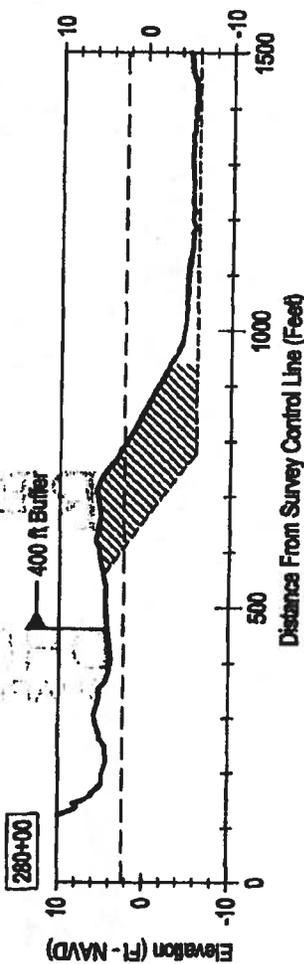
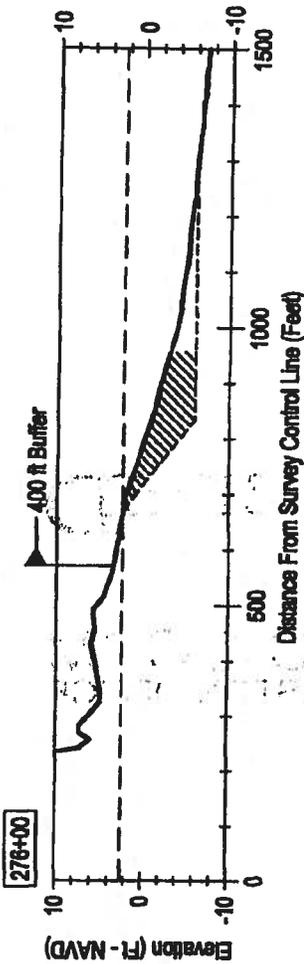
APPLICANT:
CITY OF ISLE OF PALMS
1207 PALM BOULEVARD
ISLE OF PALMS, SC 29461

SEE SPECIAL CONDITION(S)

Key
 — Existing Profile (March 2010)
 - - - Proposed Excavation Profile
 - - - MHHW +2.41' NAVD (Mar 2010)
 - - - MLLW -3.0' NAVD (Mar 2010)

DATUM (feet):
 Horizontal: SPCS NAD 83 SC Zone 3000
 Vertical: NAVD 88 (Feet)
 Vertical Exaggeration: 15

Finished Slope Will Be ~ 1 on 20



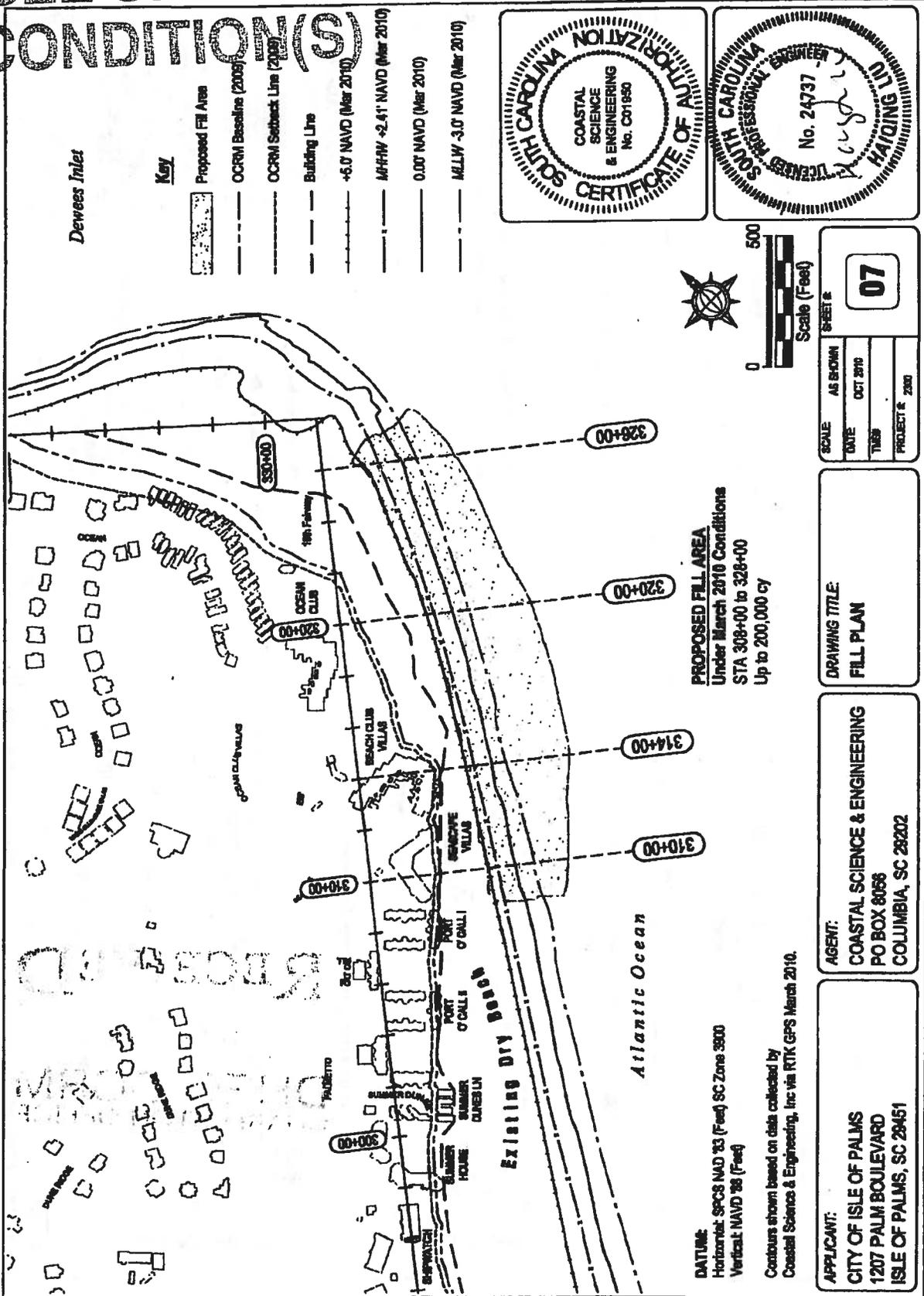
SCALE	AS SHOWN	SHEET &	06
DATE	OCT 2010		
TITLE			
PROJECT # 2300			

DRAWING TITLE:
 EXCAVATION PLAN
 TYPICAL SECTIONS

AGENT:
 COASTAL SCIENCE & ENGINEERING
 PO BOX 8056
 COLUMBIA, SC 29202

APPLICANT:
 CITY OF ISLE OF PALMS
 1207 PALM BOULEVARD
 ISLE OF PALMS, SC 29451

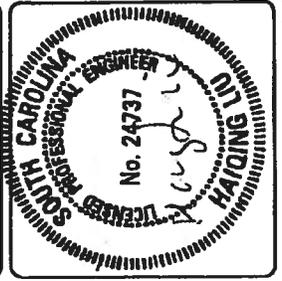
SEE SPECIAL CONDITION(S)



Dewees Inlet

Key

- Proposed Fill Area
- OCRM Baseline (2008)
- OCRM Setback Line (2008)
- Building Line
- +6.0' NAVD (Mar 2010)
- MPHW +2.41' NAVD (Mar 2010)
- 0.00' NAVD (Mar 2010)
- MLLW -3.0' NAVD (Mar 2010)



SCALE	AS SHOWN
DATE	OCT 2010
TWP	
PROJECT #	280

DRAWING TITLE:
FILL PLAN

AGENT:
COASTAL SCIENCE & ENGINEERING
PO BOX 8058
COLUMBIA, SC 29202

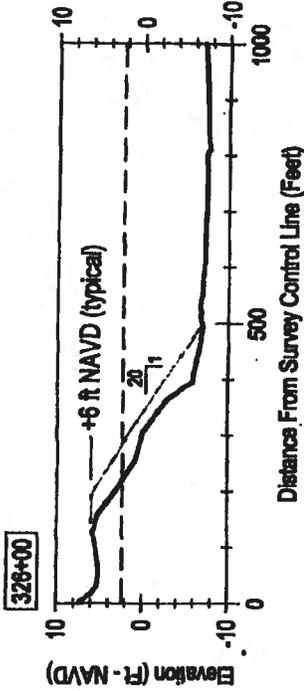
APPLICANT:
CITY OF ISLE OF PALMS
1207 PALM BOULEVARD
ISLE OF PALMS, SC 29451

PROPOSED FILL AREA
Under March 2010 Conditions
STA 308+00 to 328+00
Up to 200,000 cy

DATUM:
Horizontal: SPCS NAD 83 (Feet) SC Zone 3800
Vertical: NAVD 88 (Feet)

Contours shown based on data collected by Coastal Science & Engineering, Inc via RTK GPS March 2010.

SEE SPECIAL
CONDITION(S)

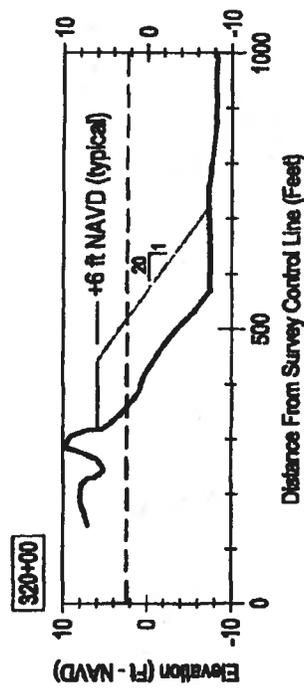
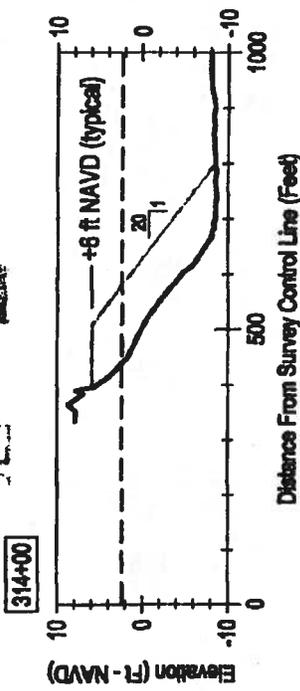
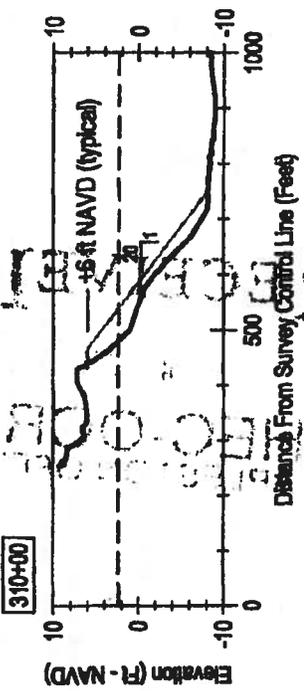
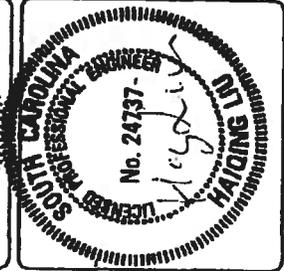


Note: Sections will vary according to conditions at the time of each beach management event.

Key

- Existing Profile (March 2010)
- - - Proposed Fill Profile
- - - MHHW -2.1' NAVD (Mar 2010)
- - - MLLW -3.0' NAVD (Mar 2010)

DATUM (feet):
Horizontal: SPCS NAD 83 SC Zone 3000
Vertical: NAVD 88 (Feet)
Vertical Exaggeration: 15
Finish slope 1 on 20



SCALE:	AS SHOWN	SHEET #	08
DATE:	OCT 2010		
TIME:			
PROJECT # 200			

DRAWING TITLE:
**PROPOSED FILL
TYPICAL SECTIONS**

AGENT:
COASTAL SCIENCE & ENGINEERING
PO BOX 8058
COLUMBIA, SC 29202

APPLICANT:
CITY OF ISLE OF PALMS
1207 PALM BOULEVARD
ISLE OF PALMS, SC 29451

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Promoting and protecting the health of the public and the environment

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ATTACHMENT A

December 10, 2010

Coastal Science and Engineering
P.O. Box 8056
Columbia, SC 29202

Re: 401 Certification Pursuant for Permit Number SAC 2010-1041-2IG
Applicant: The City of Isle of Palms
County: Charleston

Dear Steven Traynum:

The South Carolina Department of Health and Environmental Control (Department) is in receipt of your application for a Water Quality Certification pursuant to Section 401 of the Federal Clean Water Act. The project, as described in the application, falls under the category of projects for which the Department has determined that the 401 Water Quality Certification will be waived in accordance with the attached notice. Thus, the 401 Water Quality Certification for this project is waived and the Department will not take any action on this application.

Please do not hesitate to contact me at 803-898-0369, if you have any questions.

Sincerely,

Chuck Hightower
Water Quality Certification and Wetlands Section

Cc: Heather Preston
Tess Trumball OCRM

RECEIVED

JAN 19 2011

DHEC-OCRM
CHARLESTON OFFICE

ATTACHMENT A

DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Notice

401 Water Quality Certification Resource Reductions

State budget cuts have impacted the level of services the Department of Health and Environmental Control (Department) can provide and have resulted in the need for the Department to re-evaluate its workloads and priorities. The 401 Water Quality Certification program has been identified as an area where resource reductions are necessary.

In accordance with S.C. Regulation 61-101, Water Quality Certification, the Department can issue, deny, or waive certification for Federal licenses or permits. If the Department fails to act on a certification within a reasonable period of time, not to exceed one year, the certification requirements are waived.

In light of recent budget cuts, the Department has determined that it can no longer certify all Federal licenses and permits for which it receives applications. Thus, the Department has identified categories of projects for which the 401 Water Quality Certification will be waived as follows:

- **Nationwide Permits as issued by the US Army Corps of Engineers (Corps)**
Every five years, the Corps issues nationwide permits (NWP) for categories of activities that have been determined to have minimal individual and cumulative adverse effects on the aquatic environment. In a Federal Register notice published on March 12, 2007, the Corps reissued the NWP, and on May 11, 2007, the Department issued both a 401 Water Quality Certification and a Coastal Zone Consistency Certification in accordance with the S.C. Coastal Zone Management Program. At the time of the May 11, 2007 certification, the Department placed conditions on a number of the NWP that would necessitate an individual permit review for those projects. In light of the need to reduce staff resources, the Department will no longer issue individual certifications for these permits. By waiving these 401 certifications, the state will rely on the initial Corps determination of minimal impacts.
- **Groins and Beach Renourishment Projects**
Groins and beach renourishment activities have very few water quality impacts. As a general rule, the concerns and comments that the Department receives during a 401 Water Quality Certification review for these activities are directed towards the issue of threatened or endangered species. These activities will still require comments from the US Fish and Wildlife Service and/or the National Marine Fisheries Service which have jurisdiction over threatened and endangered species before the Corps can issue their 404 permit. Therefore, the Department has a reasonable assurance that these concerns will be addressed. Further, the Department's OCRM office will still continue to issue direct permits for alteration of the critical area for these activities that also provide a means to address the threatened or endangered species concerns.

These waivers apply only to the 401 Water Quality Certification. Any Coastal Zone Consistency Certifications and the Critical Area Permits issued by the Department's OCRM office are not affected by this action. In light of continuing budget reductions, the Department will periodically evaluate our project workloads to determine if other changes are necessary.