

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, SC 29403-5107
and
THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Ocean and Coastal Resource Management
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

REGULATORY DIVISION

Refer to: P/N SAC-2016-00803

December 16, 2016

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

Ms. Linda Tucker
City of Isle of Palms
PO Box 508
Isle of Palms, South Carolina 29451

for a permit for beach nourishment in

the Atlantic Ocean

on the Isle of Palms, Charleston County, South Carolina (Latitude: 32.8077°N, Longitude: -79.7313°W), Capers Inlet Quad. The project is composed of three Reaches, Reach 1 to 2 includes the area between 53rd Avenue, East to the Wild Dunes Links Course's 18th hole. The third reach includes the area between Breach Inlet and 14th Avenue.

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 nourishing beaches on the Isle of Palms. In detail nourishment will be accomplished using a hydraulic cutterhead dredge and additional equipment

typical of beach nourishment projects, including submerged pipelines, bulldozers, loaders, and accessory equipment. Temporary draining dikes will be used to contain the slurry discharge parallel to the shore. Nourishment fill sections will be dependent on the condition of the beach at the specific location, varying from ~30 cy/ft. to 400 cy/ft. with tapers at the ends of each fill reach. The construction berm elevation will be placed at + 5.5 ft. NAVD, and a small dune and sand berm will be constructed along portions of the beach lacking any significant dune structure at the time of the project. The dune will consist of a crest elevation no greater than + 10 ft. NAVD and crest width no wider than 15 ft., with seaward slope of 1 on 4. The storm berm will be constructed a + 7 ft. to +8 ft. NAVD and will extend up to 50 ft. seaward to the dune toe. The seaward slope of the construction berm will be 1 on 20 between + 5.5 ft. and the mean high water (MHW) contour. Sand fencing and vegetation will be installed in strategic locations along the landward end of the berm to facilitate natural dune growth. The applicant has not proposed any mitigation for the proposed project. The project purpose is to restore the recreational beach along portions of the Isle of Palms, to restore protective beach seaward of existing landward structures, provide a protective buffer between existing infrastructure and the ocean, eliminate the need for emergency erosion control measures, and improve the overall aesthetics of the beach and enhance its recreational value.

NOTE: This public notice and associated plans are available on the Corps' website at:
<http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> .

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). 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 District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 95 acres of intertidal beaches and 150 acres of adjacent subtidal ocean bottom utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. The District Engineer's 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). The District Engineer's final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project area, examined all information provided by the applicant, and the District Engineer has determined, based on the most recently available information that the project may affect the Loggerhead Sea Turtle (*Caretta caretta*), Kemp's Ridley Sea Turtle (*Lepidochelys kempi*), Leatherback Sea Turtle (*Dermochelys coriacea*), Green Sea Turtle (*Chelonia mydas*), West Indian Manatee (*Trichechus manatus*), Piping Plover (*Charadrius*

melodus), and the Red Knot (*Calidris canutus rufa*) and/or designated critical habitat. The Corps has also determined that the project will have no effect on the Shortnose Sturgeon (*Acipenser brevirostrum*), Atlantic Sturgeon (*Acipenser oxyrinchus*), and the Right Whale (*Eubalaena glacialis*). A biological assessment (or other similar document) detailing our analysis of the potential effects of the action will be provided to the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service.

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 Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R. 800.16)(1)(1)), and has initially determined that no historic properties are present; therefore, there will be no effect on historic properties. To ensure that other historic properties 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 and any other interested parties to provide any information they may have with regard to historic properties. This public notice serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

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 cannot undertake to adjudicate rival claims.

The Corps 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 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. **Please submit comments in writing, identifying the project of interest by public notice number, to the following address:**

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

If there are any questions concerning this public notice, please contact Warren H. May, Project Manager, at (843) 329-8033 or toll free at 1-866-329-8187.

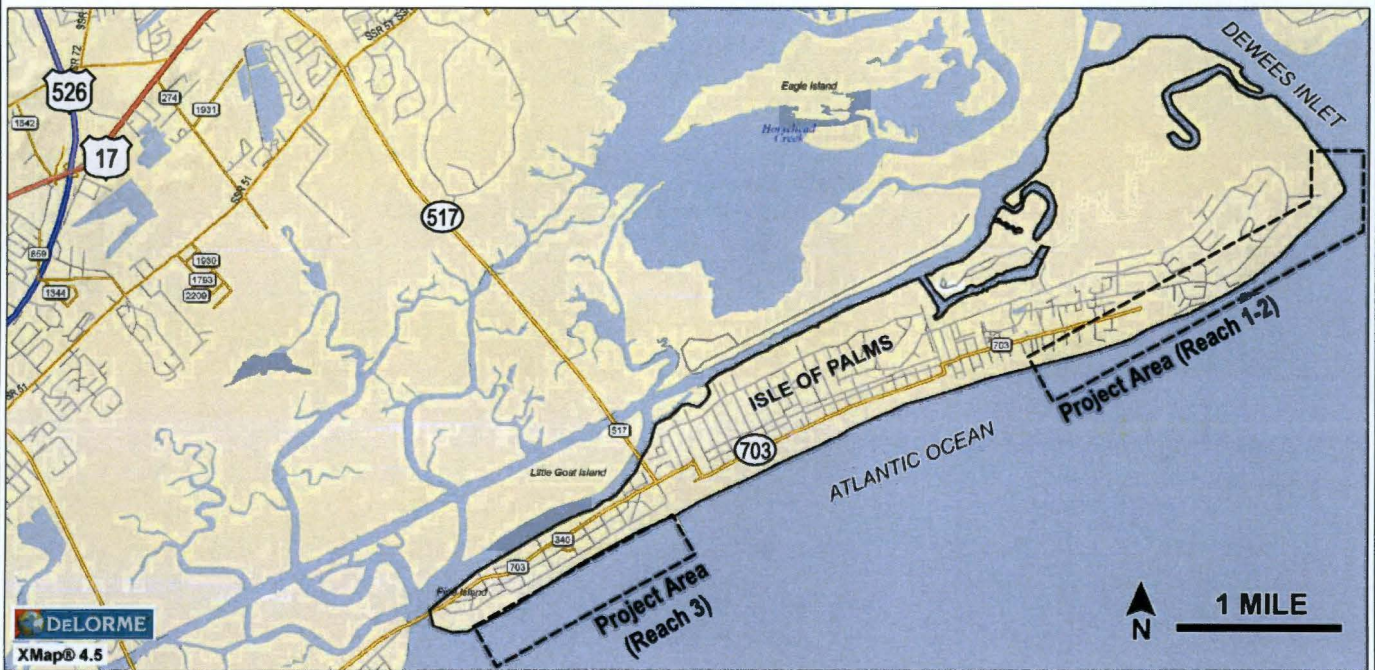


DIRECTIONS:

From Charleston, take US-17 North. Turn right onto SC 517 (Isle Of Palms connector). Turn left onto palm blvd. The project limits extend along the beach at Ocean Point Dr (Dewees Inlet) to approximately 53rd Ave and from the Pier at 14th Ave to Breach Inlet.

Project Location

Latitude: 32° 48.5' N
 Longitude: 79° 43.4' W



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

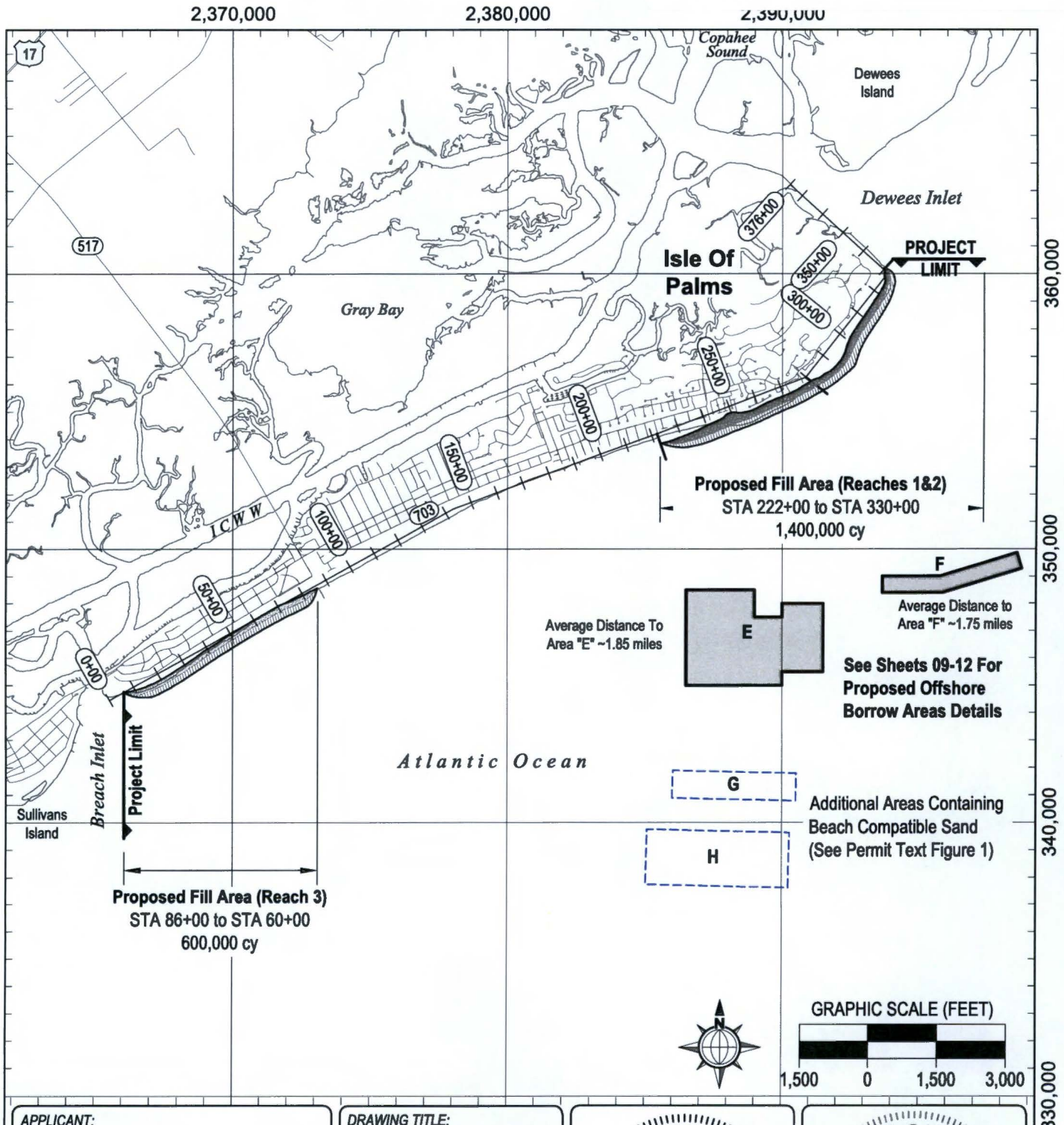
DRAWING TITLE:
 VICINITY MAP



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

SCALE: AS SHOWN
DATE: Nov2016
TMS#
PROJECT #: 2435

SHEET #:
 01



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

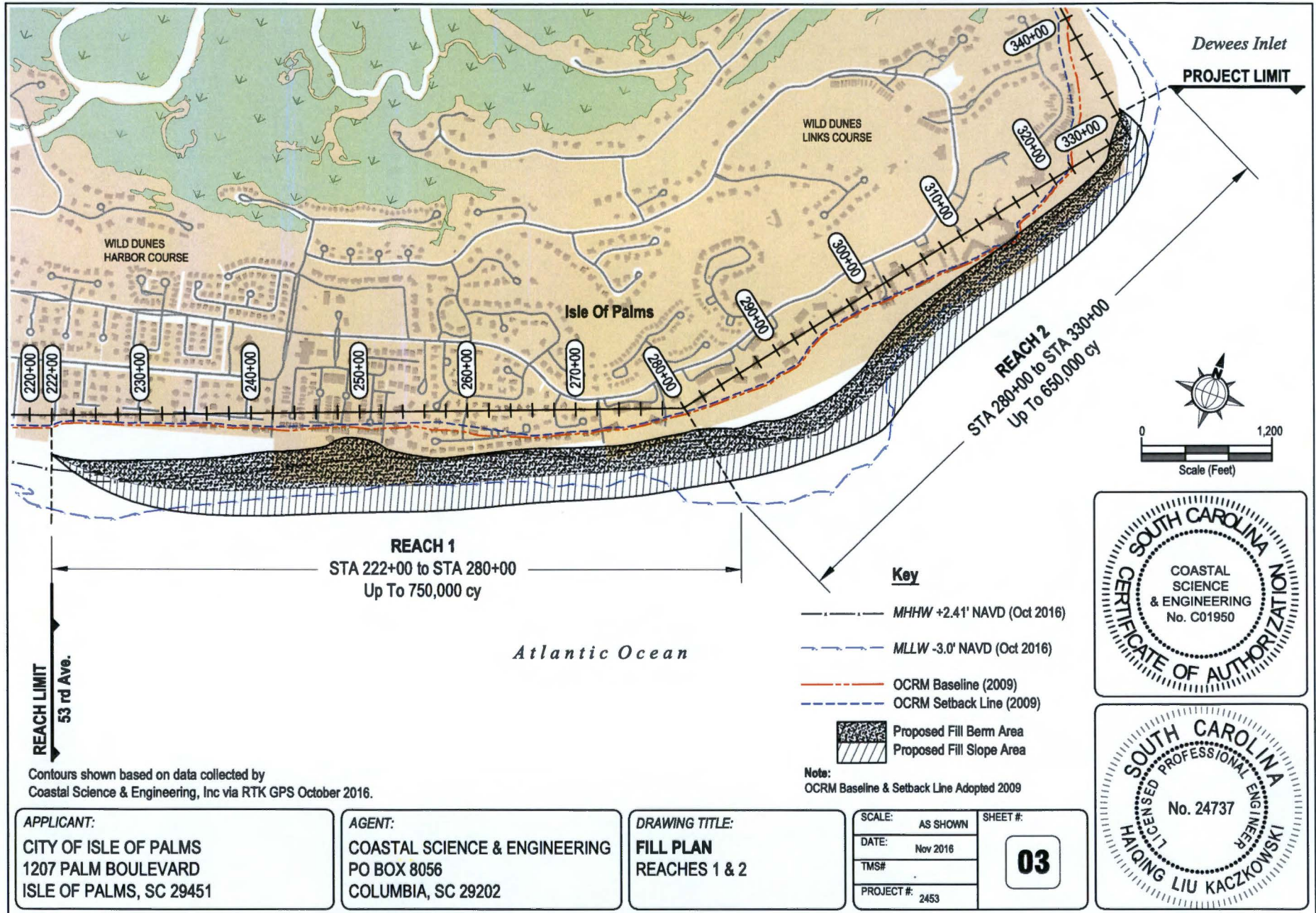
DRAWING TITLE:
PROJECT PLAN MAP

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

SCALE: AS SHOWN SHEET #:
 DATE: Nov 2016
 TMS#
 PROJECT #: 2453

02





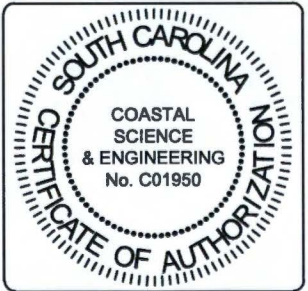
Contours shown based on data collected by Coastal Science & Engineering, Inc via RTK GPS October 2016.

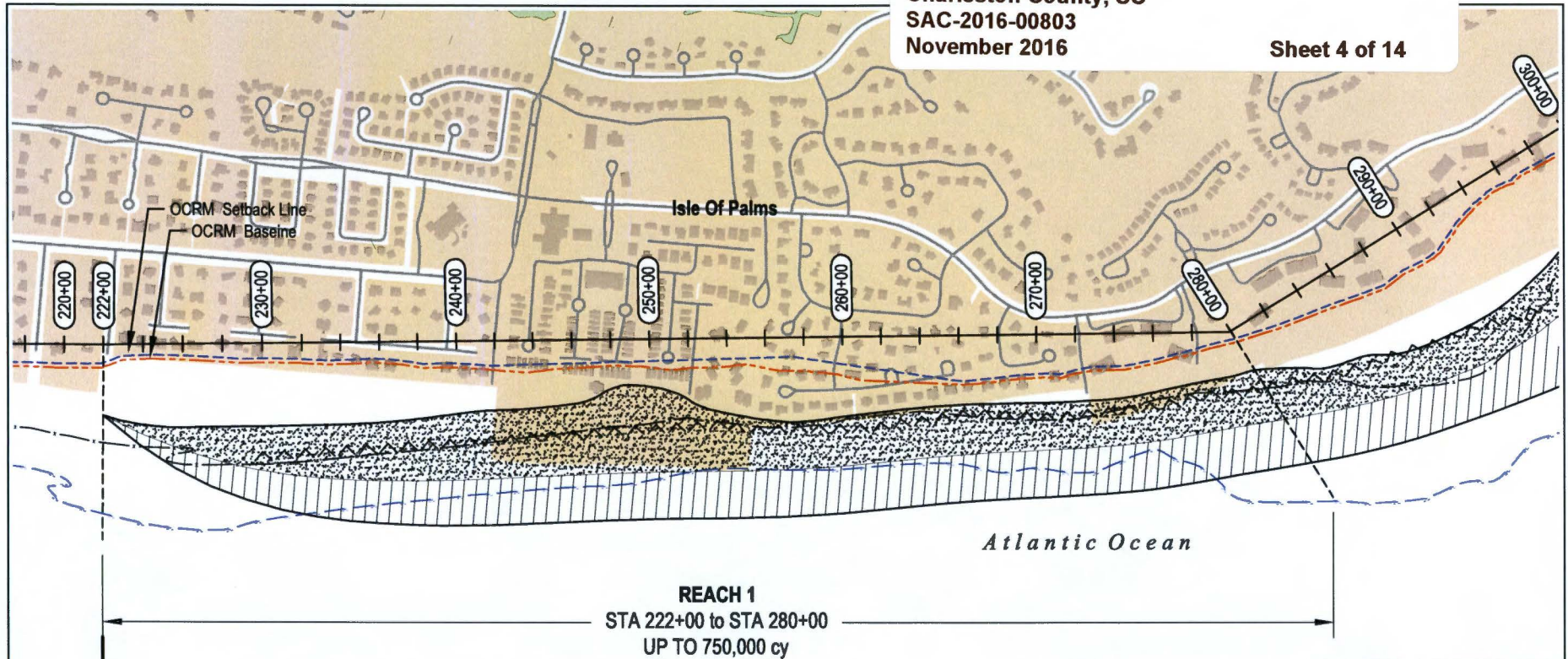
APPLICANT:
 CITY OF ISLE OF PALMS
 1207 PALM BOULEVARD
 ISLE OF PALMS, SC 29451

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

DRAWING TITLE:
FILL PLAN
 REACHES 1 & 2

SCALE:	AS SHOWN	SHEET #:
DATE:	Nov 2016	03
TMS#		
PROJECT #:	2453	





Notes:

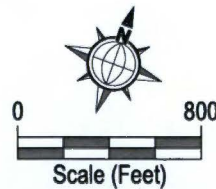
- Exact fill limits and volumes to be determined at the time of construction.
- Emergency measures will be removed before or during nourishment.
- No fill will be placed on or landward of emergency erosion control measures.
- A small dune may be constructed in areas lacking any dune features at time of construction (see sections).
- Sand fencing and native vegetation will be installed along the landward end of the fill in accordance with OCRM guidelines.

Key

- ▲▲▲▲ Sand Fence / Vegetation
- MHHW +2.41' NAVD (Oct 2016)
- MLLW -3.0' NAVD (Oct 2016)
- OCRM Baseline (2009)
- OCRM Setback Line (2009)

- Proposed Fill Berm Area
- Proposed Fill Slope Area

Note:
 OCRM Baseline & Setback Line Adopted 2009



Contours shown based on data collected by
 Coastal Science & Engineering, Inc via RTK GPS October 2016.

APPLICANT:

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

AGENT:

COASTAL SCIENCE & ENGINEERING
 PO BOX 8056
 COLUMBIA, SC 29202

DRAWING TITLE:

REACH 1 PLAN
 STA 222+00 to 280+00

SCALE: AS SHOWN

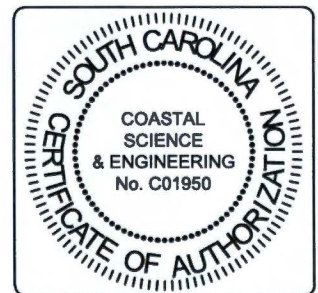
SHEET #:

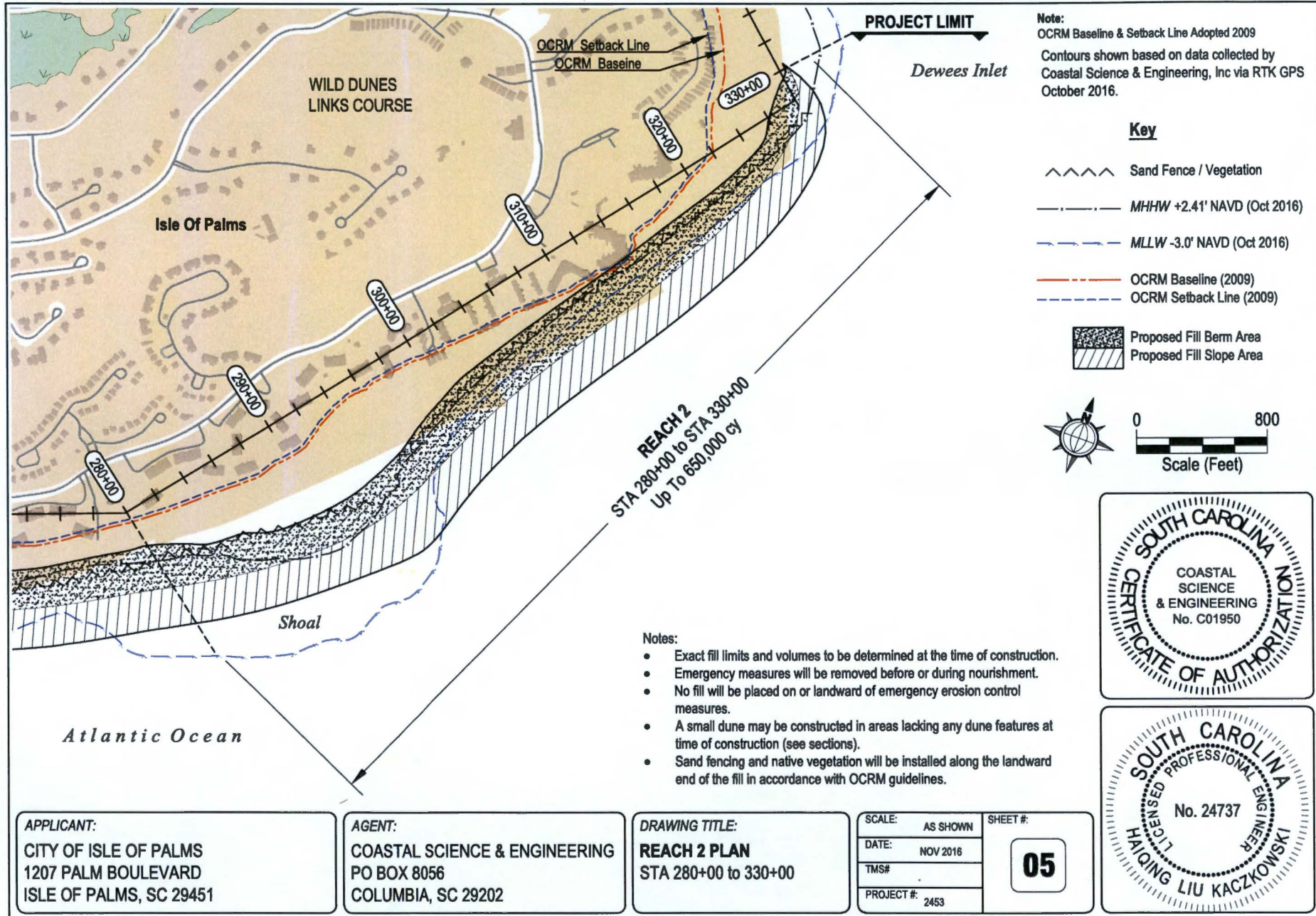
DATE: NOV 2016

TMS#

PROJECT #: 2453

04

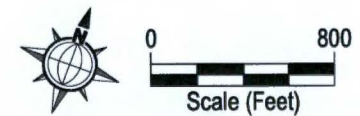




Note:
 OCRM Baseline & Setback Line Adopted 2009
 Contours shown based on data collected by Coastal Science & Engineering, Inc via RTK GPS October 2016.

- Key**
- ⋈ Sand Fence / Vegetation
 - MHHW +2.41' NAVD (Oct 2016)
 - - - MLLW -3.0' NAVD (Oct 2016)
 - - - OCRM Baseline (2009)
 - - - OCRM Setback Line (2009)

 Proposed Fill Berm Area
 Proposed Fill Slope Area



- Notes:**
- Exact fill limits and volumes to be determined at the time of construction.
 - Emergency measures will be removed before or during nourishment.
 - No fill will be placed on or landward of emergency erosion control measures.
 - A small dune may be constructed in areas lacking any dune features at time of construction (see sections).
 - Sand fencing and native vegetation will be installed along the landward end of the fill in accordance with OCRM guidelines.

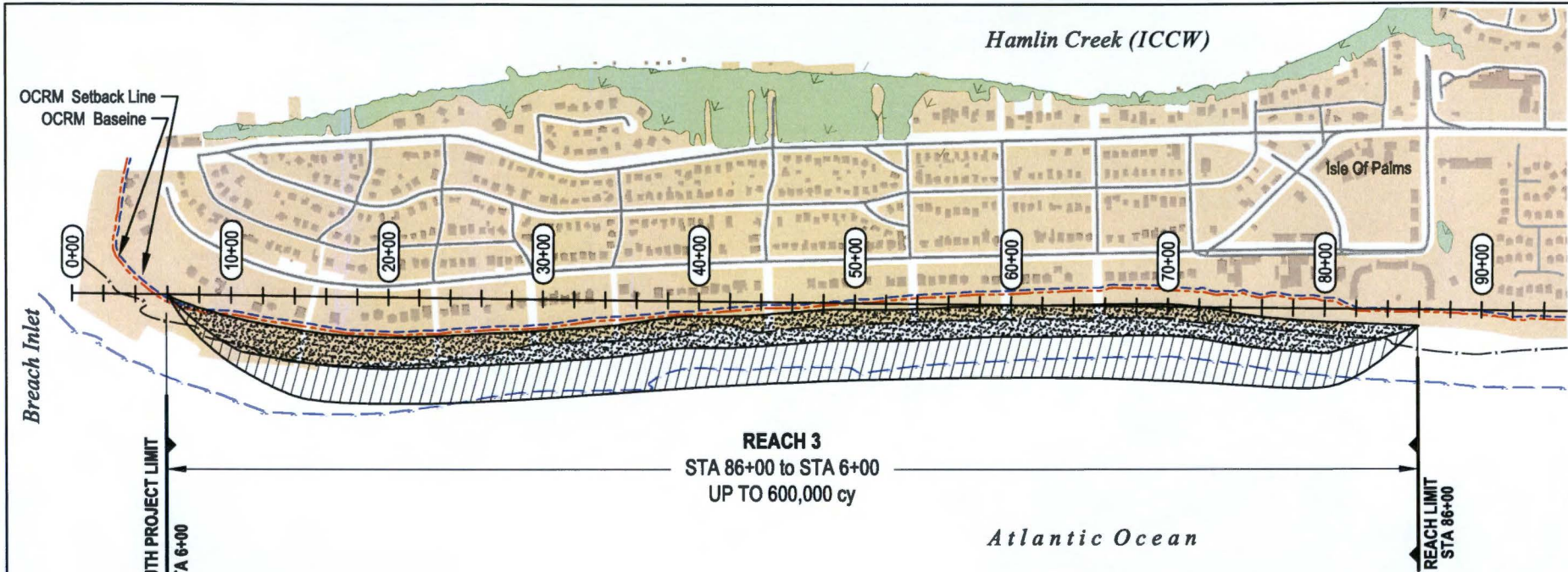


APPLICANT:
 CITY OF ISLE OF PALMS
 1207 PALM BOULEVARD
 ISLE OF PALMS, SC 29451

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

DRAWING TITLE:
REACH 2 PLAN
 STA 280+00 to 330+00

SCALE: AS SHOWN	SHEET #:
DATE: NOV 2016	05
TMS#	
PROJECT #: 2453	



- Notes:
- Exact fill limits and volumes to be determined at the time of construction.
 - A small dune may be constructed in areas lacking any dune features at time of construction (see sections).

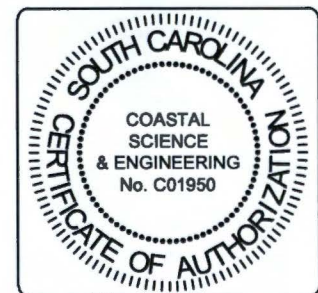
Note:
 OCRM Baseline & Setback Line Adopted 2009

Contours shown based on data collected by
 Coastal Science & Engineering, Inc via RTK GPS October 2016.



Key

- Sand Fence / Vegetation
- MHHW +2.41' NAVD (Oct 2016)
- MLLW -3.0' NAVD (Oct 2016)
- OCRM Baseline (2009)
- OCRM Setback Line (2009)
- Proposed Fill Berm Area
- Proposed Fill Slope Area



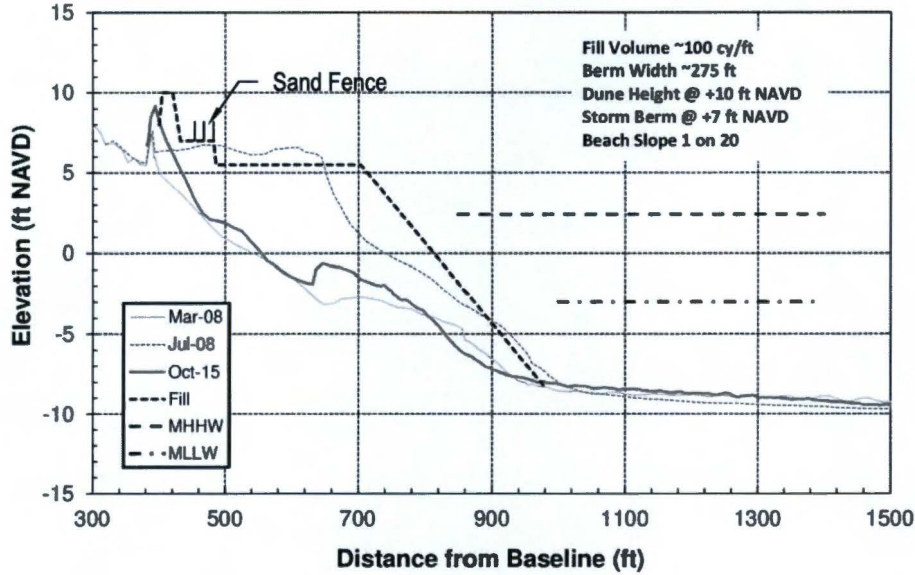
APPLICANT:
 CITY OF ISLE OF PALMS
 1207 PALM BOULEVARD
 ISLE OF PALMS, SC 29451

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

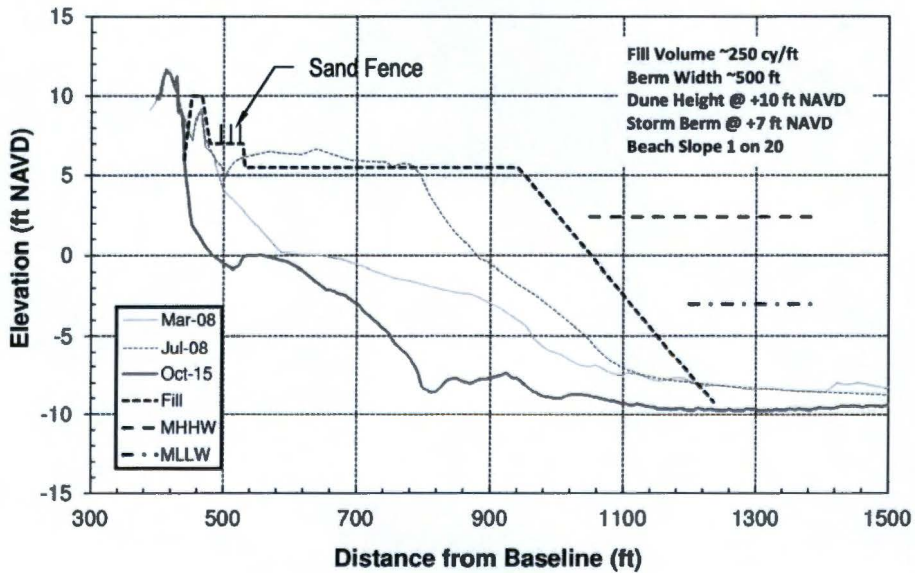
DRAWING TITLE:
REACH 1 PLAN
 STA 222+00 to 280+00

SCALE: AS SHOWN	SHEET #: 06
DATE: NOV 2016	
TMS#	
PROJECT #: 2453	

Station: 246+00



Station: 258+00



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

DRAWING TITLE:
**FILL SECTIONS
 REACH 1**

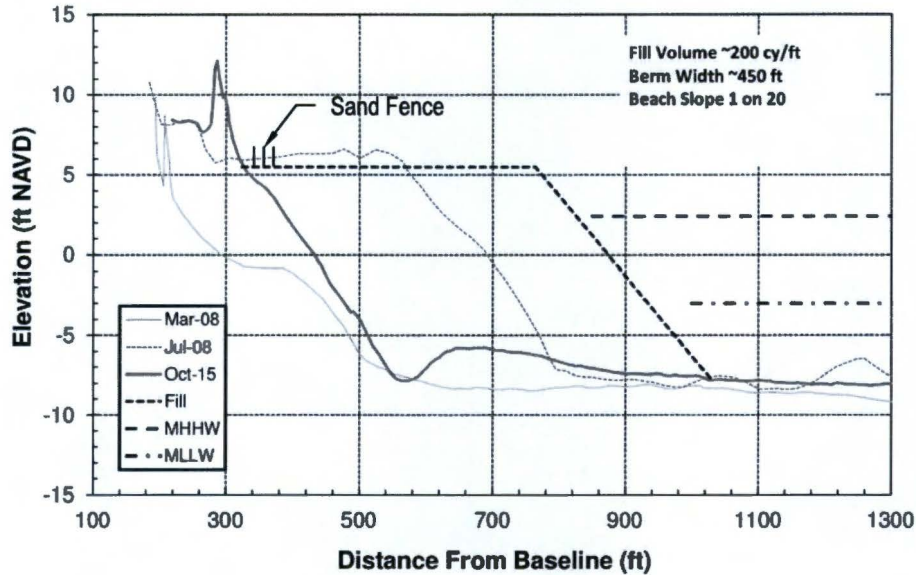
AGENT:
 COASTAL SCIENCE & ENGINEERING
 PO BOX 8056
 COLUMBIA, SC 29202

SCALE: AS SHOWN SHEET #:
 DATE: NOV 2016
 TMS#
 PROJECT #: 2453

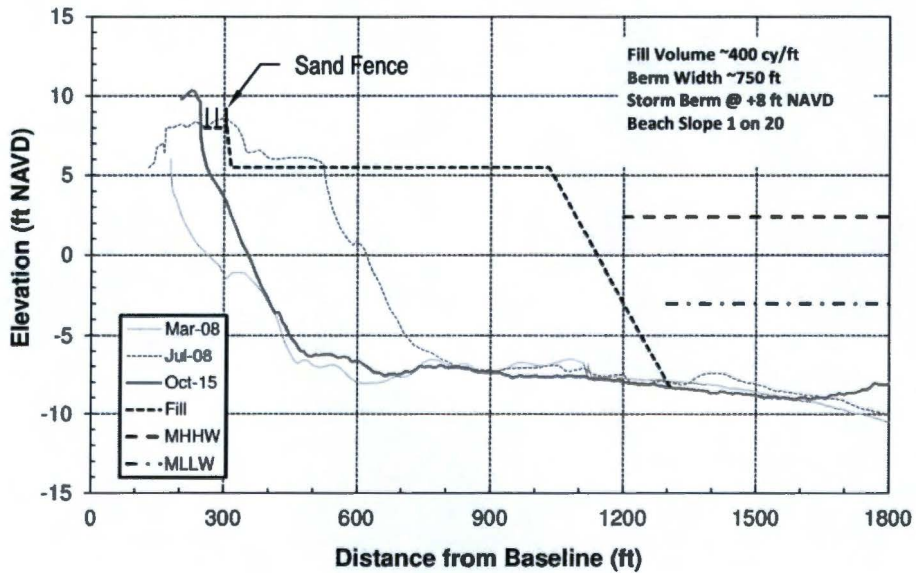
07



Station: 306+00



Station: 316+00



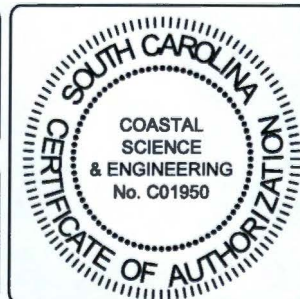
APPLICANT:
 CITY OF ISLE OF PALMS
 PO DRAWER 508
 ISLE OF PALMS SC 29451

DRAWING TITLE:
 FILL SECTIONS
 REACH 2

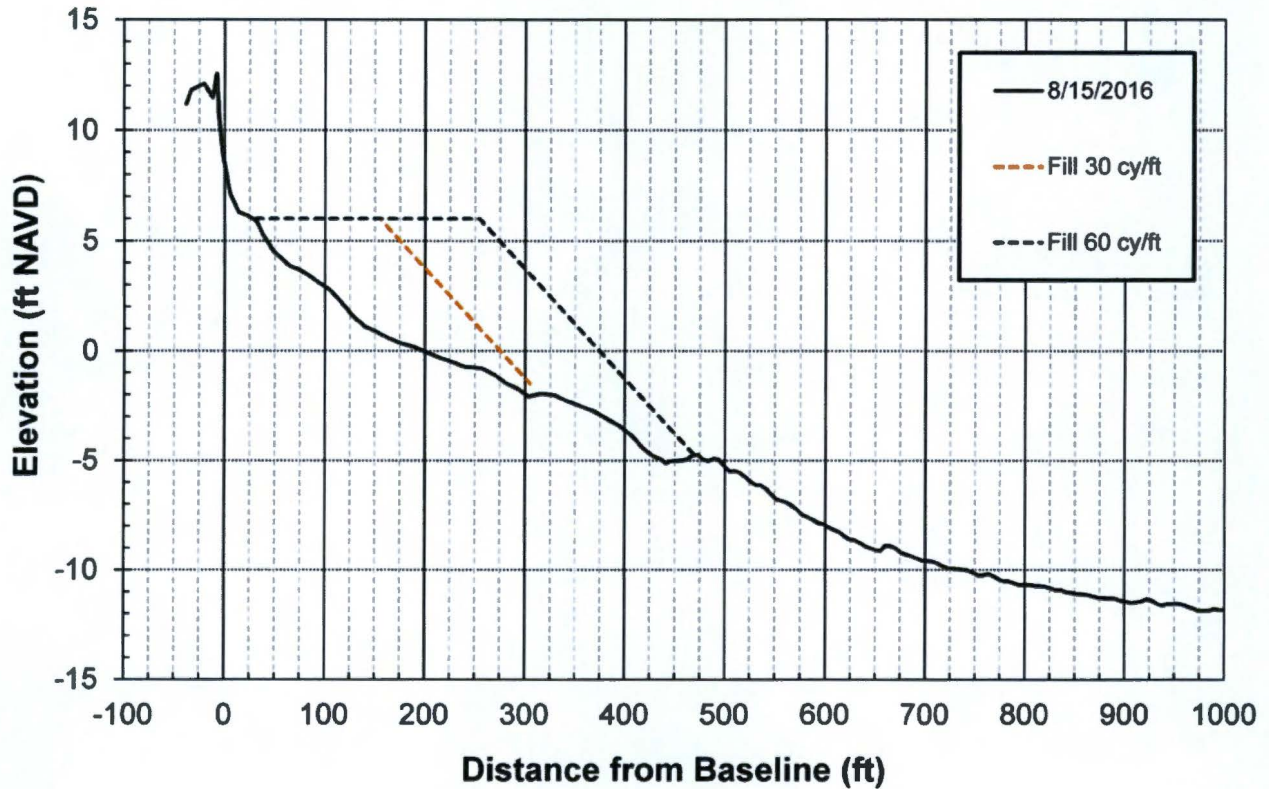
AGENT:
 COASTAL SCIENCE & ENGINEERING
 PO BOX 8056
 COLUMBIA, SC 29202

SCALE: AS SHOWN SHEET #:
 DATE: NOV 2016
 TMS#
 PROJECT #: 2453

08



Station: 60+00 (8th Ave)



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

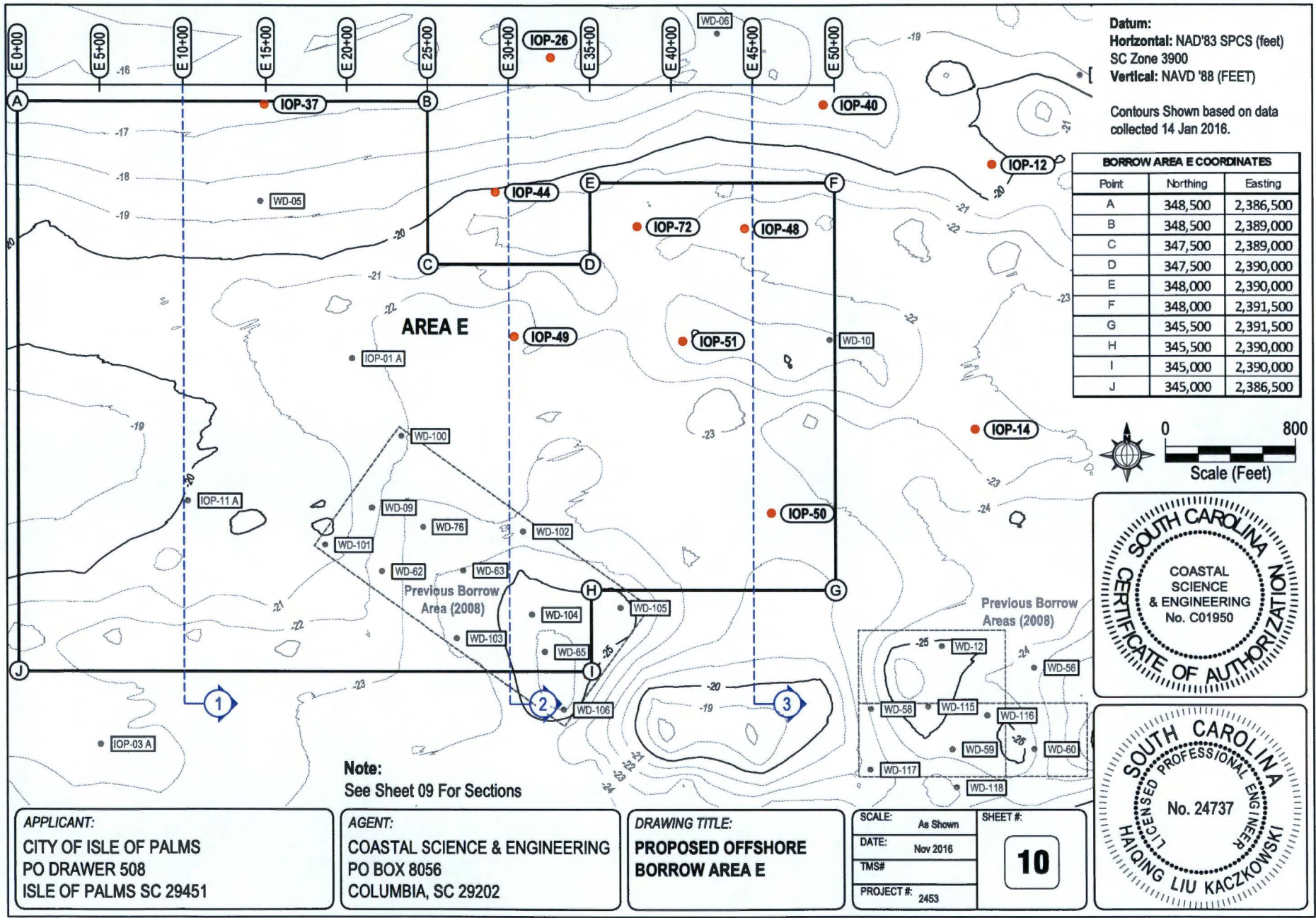
DRAWING TITLE:
**FILL SECTION
 REACH 3**

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

SCALE: AS SHOWN SHEET #:
 DATE: NOV 2016
 TMS#
 PROJECT #: 2453

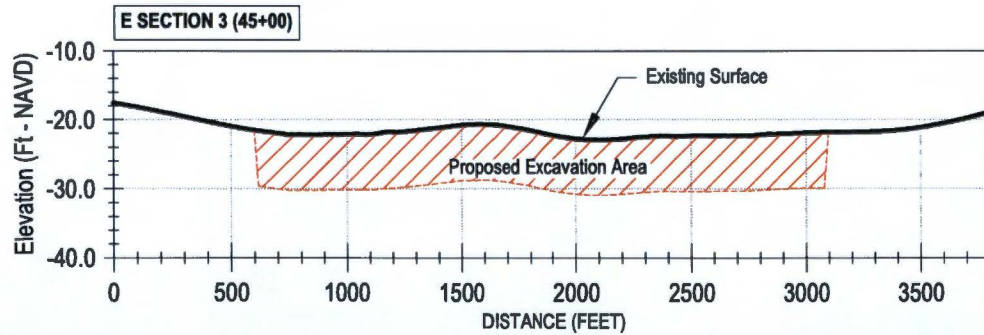
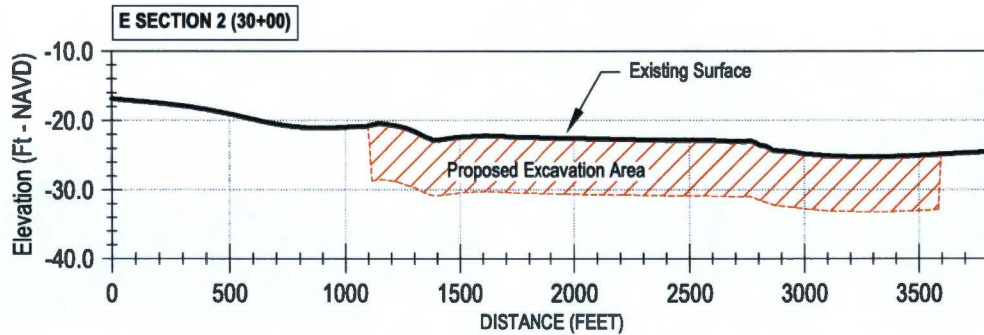
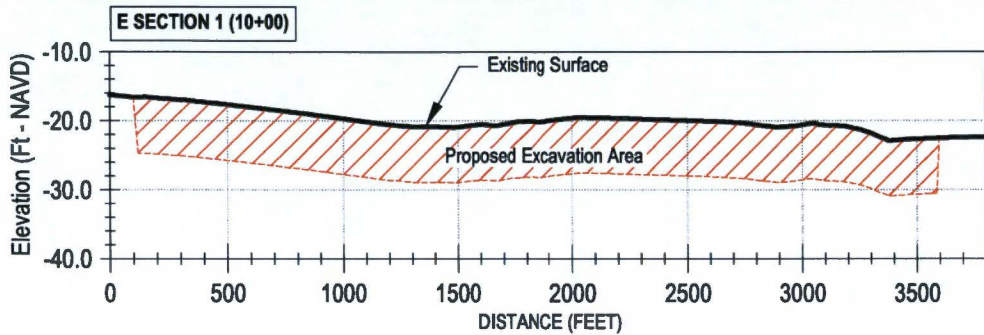
09





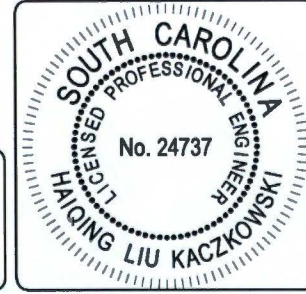
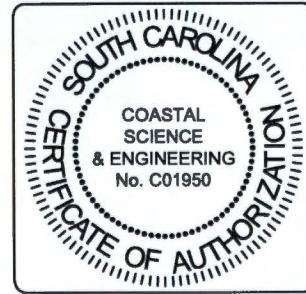
SURVEY DATUM:
HORIZONTAL:
 SPCS NAD 83 FEET
 SC ZONE 3900
VERTICAL:
 NAVD 1988 FEET
EXAGGERATION: 30

Elevations Shown based on
 data collected 14 Jan 2016.



— Existing Condition (Jan 2016)
 ▨ Proposed Excavation Area
 - - - Excavation Limit

Note:
 Proposed dredge depth shall
 be 8 ft below existing surface.
 (7ft + 1 ft overdredge)



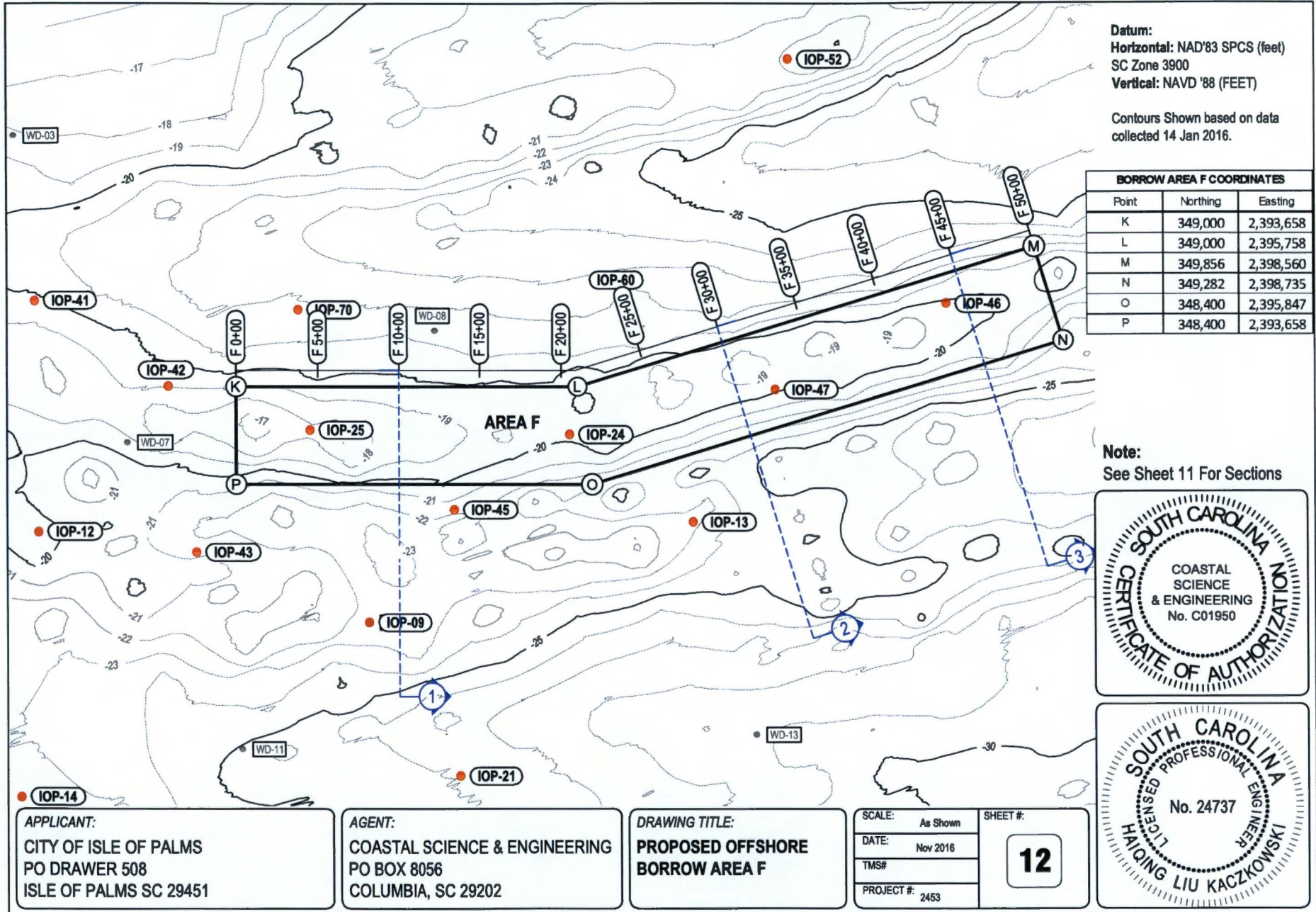
APPLICANT:
 CITY OF ISLE OF PALMS
 PO DRAWER 508
 ISLE OF PALMS SC 29451

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

DRAWING TITLE:
 OFFSHORE
 BORROW AREA E
 SECTIONS 1-3

SCALE: AS SHOWN SHEET #:
 DATE: Nov 2016
 TMS#
 PROJECT #: 2453

11

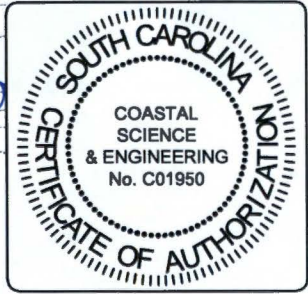


Datum:
 Horizontal: NAD'83 SPCS (feet)
 SC Zone 3900
 Vertical: NAVD '88 (FEET)

Contours Shown based on data
 collected 14 Jan 2016.

BORROW AREA F COORDINATES		
Point	Northing	Easting
K	349,000	2,393,658
L	349,000	2,395,758
M	349,856	2,398,560
N	349,282	2,398,735
O	348,400	2,395,847
P	348,400	2,393,658

Note:
 See Sheet 11 For Sections



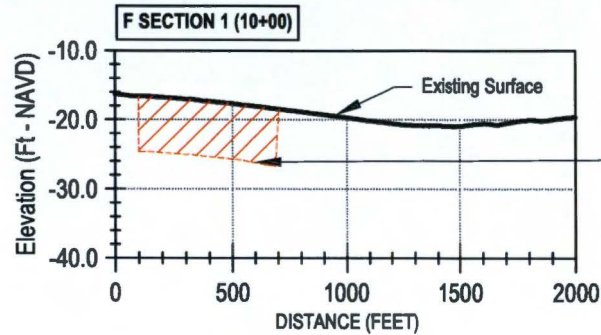
APPLICANT:
 CITY OF ISLE OF PALMS
 PO DRAWER 508
 ISLE OF PALMS SC 29451

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

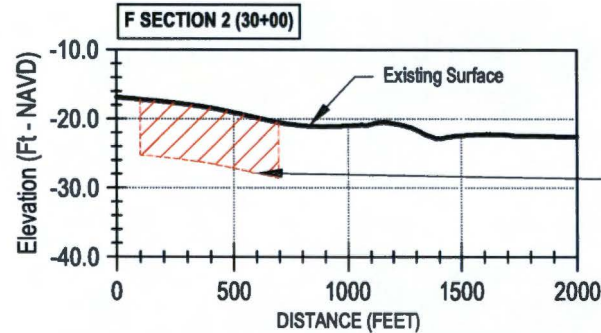
DRAWING TITLE:
**PROPOSED OFFSHORE
 BORROW AREA F**

SCALE: As Shown
 DATE: Nov 2016
 TMS#
 PROJECT #: 2453

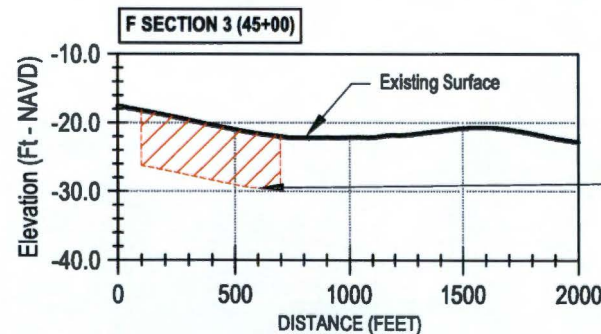
SHEET #:
12



Proposed Dredge Depth
 @ 8 ft below existing.



Proposed Dredge Depth
 @ 8 ft below existing.



Proposed Dredge Depth
 @ 8 ft below existing.

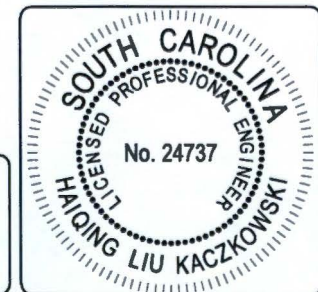
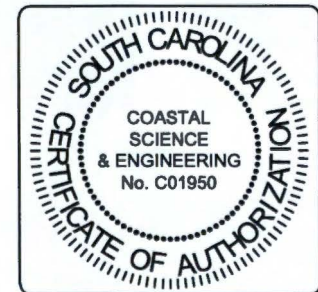
- Existing Condition (Jan 2016)
- ▨ Proposed Excavation Area
- - - Excavation Limit

Note:
 Proposed dredge depth shall
 be 8 ft below existing surface.
 (7ft + 1 ft overdredge)

SURVEY DATUM:
HORIZONTAL:
 SPCS NAD 83 FEET
 SC ZONE 3900

VERTICAL:
 NAVD 1988 FEET
 EXAGGERATION: 30

Elevations Shown based on
 data collected 14 Jan 2016.



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

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

DRAWING TITLE:
 OFFSHORE
 BORROW AREA E
 SECTIONS 1-3

SCALE: AS SHOWN	SHEET #:
DATE: Nov 2016	13
TMS#	
PROJECT #: 2453	

Border Corners for Borrow Areas E and F

	Latitude	Longitude
E	32.78319	-79.731
F	32.78314	-79.7261
C	32.78185	-79.7342
A	32.78468	-79.7423
B	32.7846	-79.7342
D	32.78182	-79.731
G	32.77627	-79.7262
H	32.77632	-79.7311
I	32.77494	-79.7311
J	32.77506	-79.7425
K	32.78581	-79.719
L	32.78574	-79.7122
M	32.788	-79.703
N	32.78642	-79.7025
O	32.78409	-79.7119
P	32.78417	-79.719