

JOINT
PUBLIC NOTICE

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

REGULATORY DIVISION

Refer to: P/N #SAC-2012-237-2IG

21 SEPTEMBER 2012

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

CHARLESTON COUNTY PARK & RECREATION COMISSION
C/O STEVEN TRAYNUM
COASTAL SCIENCE & ENGINEERING, INC.
POST OFFICE BOX 8056
COLUMBIA, SOUTH CAROLINA 29202-8056

for a permit to perform dredging of an existing shoal in

WATERS OF THE FOLLY RIVER

At a location in an area adjacent to the federal channel between Buoy 15 and Buoy 19 as shown on the attached plans (approx. Latitude 32.464820° Longitude -79.970266° to Latitude 32.650897° Longitude -79.961139°);

and perform beach nourishment and construct a terminal groin in

WATERS OF THE ATLANTIC OCEAN

at a location along the beachfront of the south spit of Folly Beach at the Folly Beach County Park, in Folly Beach, Charleston County, South Carolina as shown on the attached plans (approx. Latitude 32.640821° Longitude -79.969509° to Latitude 32.643919° Longitude -79.962493°);

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

21 SEPTEMBER 2012

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

NOTE: The Corps issued a permit for the groin portion of this work in July 2003, however the work was not performed and that federal permit has expired (2002-1W-125).

The proposed work consists of dredging for sand for beach nourishment, beach nourishment, and construction of a terminal sheet pile groin. In detail the proposed work consists of dredging up to 415,000 cubic yards of predominantly fine sand by cutterhead suction dredge from a borrow area up to 35 acres in size from an existing shoal in the Folly River. The dredged sandy material will be piped from the borrow area across the marsh in an easement established by the federal Folly River Navigation Project. Groin construction will take place coinciding with beach nourishment so that the groin may be constructed on the newly constructed berm. The applicant states that sand will be placed to fill the groin beyond trapping capacity in an area up to 60 acres along approximately 2,500 feet of beach, and the groin structure is expected to maintain the fill on its north (upcoast) side. The applicant states that by providing sufficient sand to fill the trapping capacity of the groin, southerly moving sand will continue to bypass the groin structure. The applicant proposes to construct the groin from either steel or concrete sheet pile with a protective cap and armor stone toe protection. The groin will extend approximately 745 feet from the base of the existing dune, with section lengths of up to 400 feet (berm), 245 feet (beach face), and 100 feet (low tide terrace). The landward end of the groin has been lengthened a minimal distance to reach existing high ground and account for recession of the shoreline since 2006. The purpose of the proposed work as stated by the applicant is "to restore and protect the recreational and economic resources of Folly Beach County Park from erosion and storm events with a secondary benefit of providing additional beach and dune area that will facilitate sea turtle nesting and shorebird use."

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

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

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

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact up to 95 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) with the inclusion of special conditions in the federal permit. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the District Engineer has consulted the most recently available information and has determined that the project is not likely to adversely affect the Piping Plover (*Charadrius melodus*), the Green Sea Turtle (*Chelonia mydas*) and the Manatee (*Trichechus manatus*) or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

The District Engineer has consulted the most recently available information and has determined that the project is likely to adversely affect the Loggerhead Sea turtle (*Caretta caretta*) and the Leatherback Sea Turtle (*Dermochelys coriacea*). This public notice serves as a request to the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service to initiate formal consultation on these species and/or critical habitat that may be present in the area which would be affected, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended). A biological assessment (or other similar document) detailing our analysis of the effects of the action has been provided.

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.

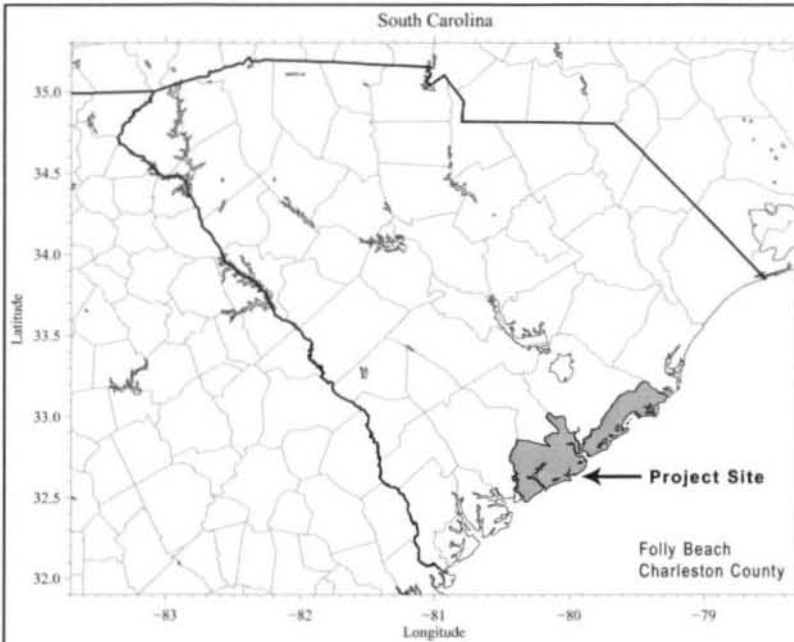
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

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.

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

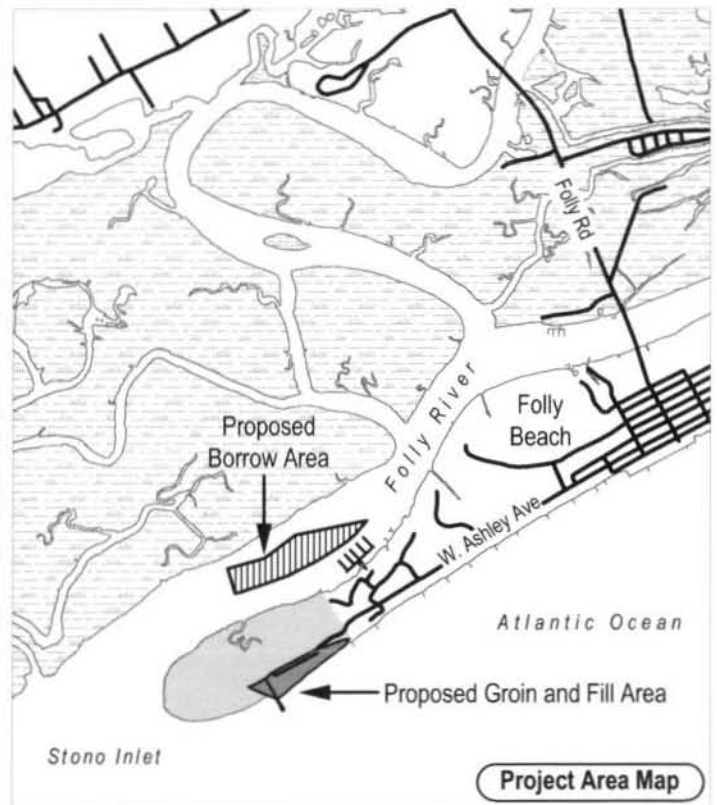


DIRECTIONS:

From US-17 turn onto Folly Road (SC-171 South). Follow Folly Road approximately 8.0 miles and continue onto Folly Beach Road. Continue onto Center Street. Turn right onto West Ashley Avenue and continue approximately 1.5 miles. W. Ashley Ave turns slightly left and becomes Folly Beach County Park. Continue through the park entrance gate. Project begins near an existing groin on beach (inside the park) and extends southwest along the beach front approximately 2,500 ft.

Project Site Coordinates

Latitude: 32° 38' 28" N
Longitude: 79° 58' 05" W



APPLICANT:

Charleston County Park & Recreation Comm.
861 Riverland Drive
Charleston SC 29412

DRAWING TITLE:

VICINITY MAP
PROJECT: Folly Beach County Park
Stabilization Project

AGENT:

COASTAL SCIENCE & ENGINEERING
PO BOX 8056
COLUMBIA, SC 29202

Scale: As Shown

Date: Aug 2012

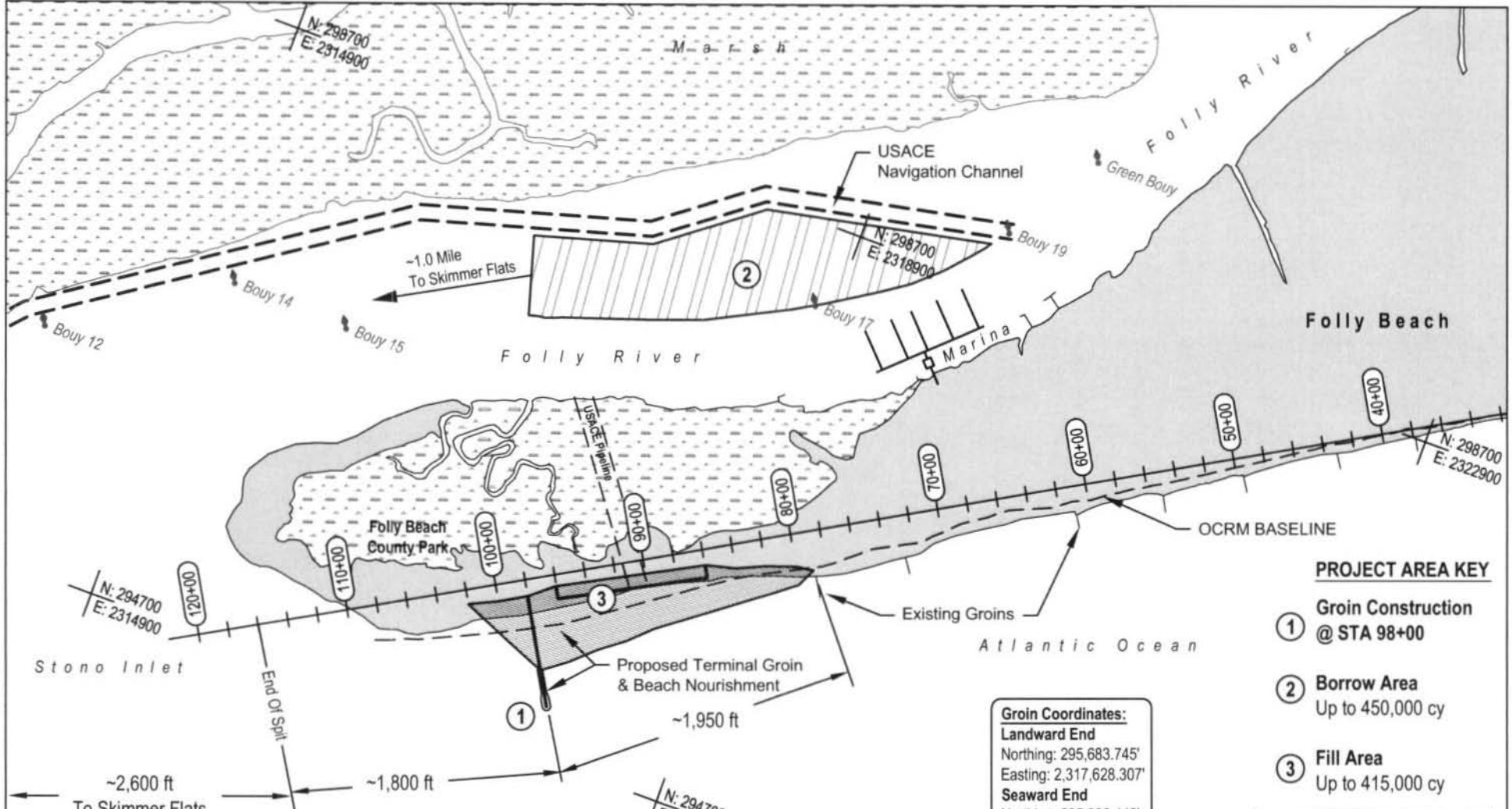
Permit # SAC-2012-237-2IG

Project #: 2388

Sheet #:

01



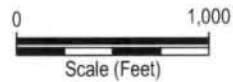


PROJECT AREA KEY

- ① Groin Construction @ STA 98+00
- ② Borrow Area Up to 450,000 cy
- ③ Fill Area Up to 415,000 cy

Groin Coordinates:
Landward End
 Northing: 295,683.745'
 Easting: 2,317,628.307'
Seaward End
 Northing: 295,036.442'
 Easting: 2,317,997.121'

Notes:
 OCRM Baseline Adopted 1994
USACE Data source:
 Charleston District
 Folly River Drawing #9438-S1



Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: Mar-May 2012 **Bathymetry data:**
 Coastal Science & Engineering, Inc via RTK GPS

APPLICANT:
 Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

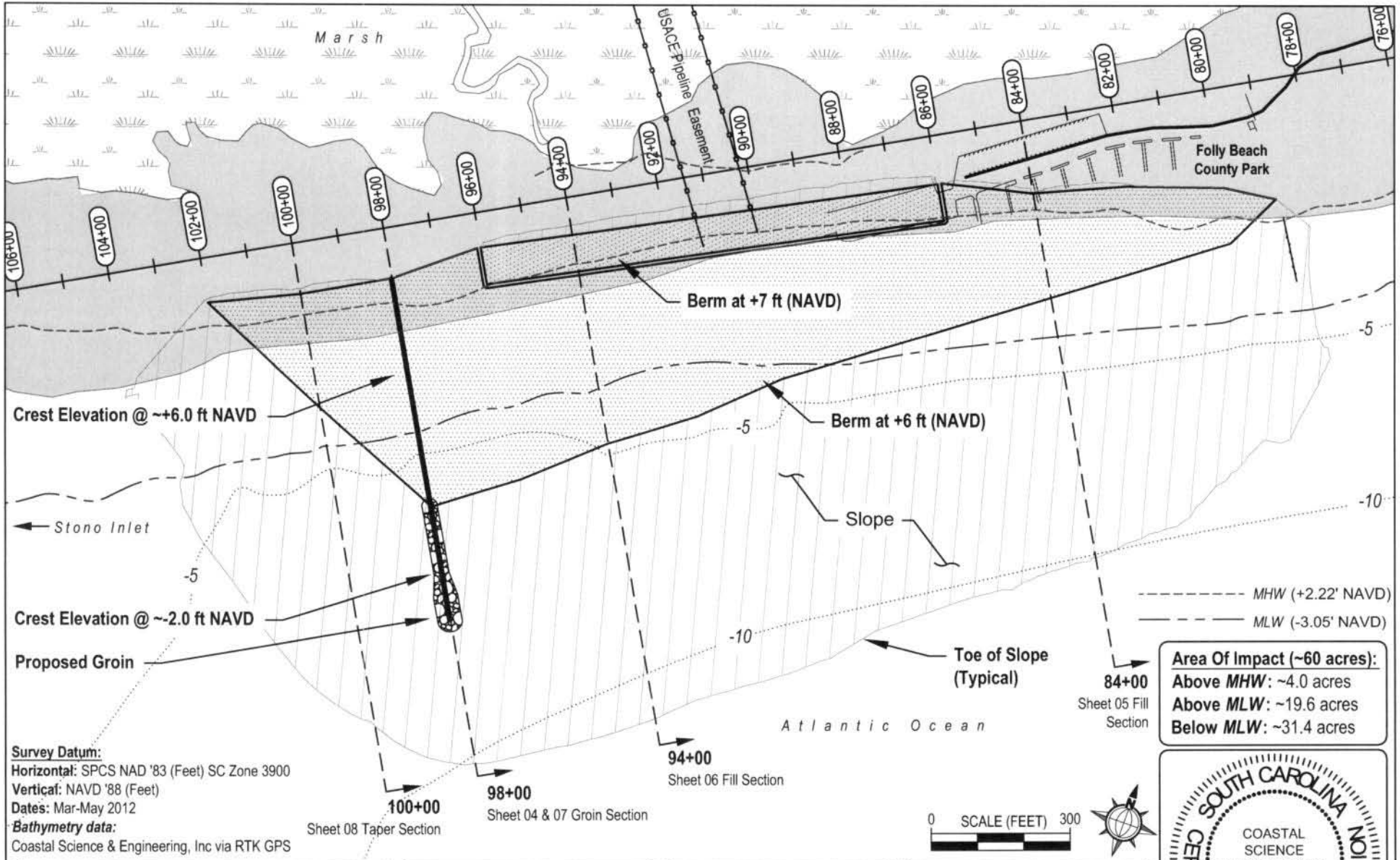
AGENT:
 Coastal Science & Engineering
 PO Box 8056
 Columbia, SC 29202

DRAWING TITLE:
 OVERALL PROJECT PLAN

Scale: As Shown
 Date: Aug 2012
 Permit # SAC-2012-237-2IG
 Project #: 2388

Sheet #: **02**





Crest Elevation @ ~+6.0 ft NAVD

Crest Elevation @ ~-2.0 ft NAVD

Proposed Groin

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: Mar-May 2012
Bathymetry data:
 Coastal Science & Engineering, Inc via RTK GPS

Berm at +7 ft (NAVD)

Berm at +6 ft (NAVD)

Slope

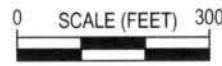
Toe of Slope (Typical)

----- MHW (+2.22' NAVD)
 - - - - - MLW (-3.05' NAVD)

Area Of Impact (~60 acres):
 Above MHW: ~4.0 acres
 Above MLW: ~19.6 acres
 Below MLW: ~31.4 acres

100+00 Sheet 08 Taper Section
 98+00 Sheet 04 & 07 Groin Section
 94+00 Sheet 06 Fill Section
 84+00 Sheet 05 Fill Section

Atlantic Ocean

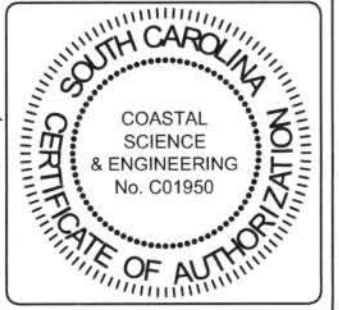


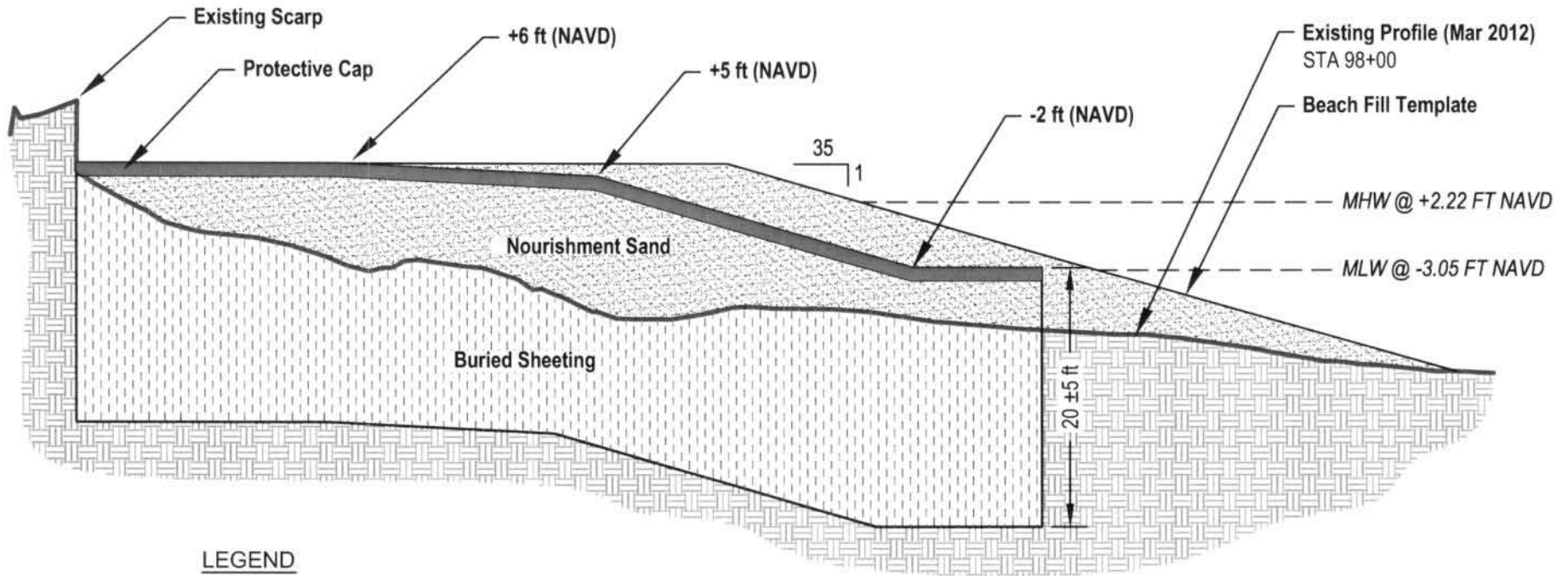
APPLICANT:
 Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

AGENT:
 Coastal Science & Engineering
 PO Box 8056
 Columbia, SC 29202

DRAWING TITLE:
 PROPOSED FILL & GROIN PLAN

Scale:	As Shown	Sheet #:	03
Date:	Aug 2012		
Permit #	SAC-2012-237-2IG		
Project #:	2388		





LEGEND

- Groin Profile (Including Cap)
- Existing Profile (Mar 2012)
- Beach Fill Template

TABLE 1. MAXIMUM GROIN DIMENSIONS (FEET)

Berm 1.....	200
Berm 2.....	200
Beach Face.....	245
Toe.....	100 (Plus scour protection)
Total Length.....	745

Notes:

Vertical exaggeration is 10:1

Groin shall be constructed of steel or reinforced concrete sheetpile, with a protective cap.

Scour protection at the seaward end is included to control localized wave and current scour effects.

Groin shall be tied into the existing backshore.

APPLICANT:
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 861 Riverland Drive
 Charleston SC 29412

AGENT:
 Coastal Science & Engineering
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DRAWING TITLE:
**PROPOSED GROIN
 CROSS SECTION**
 STA 98+00

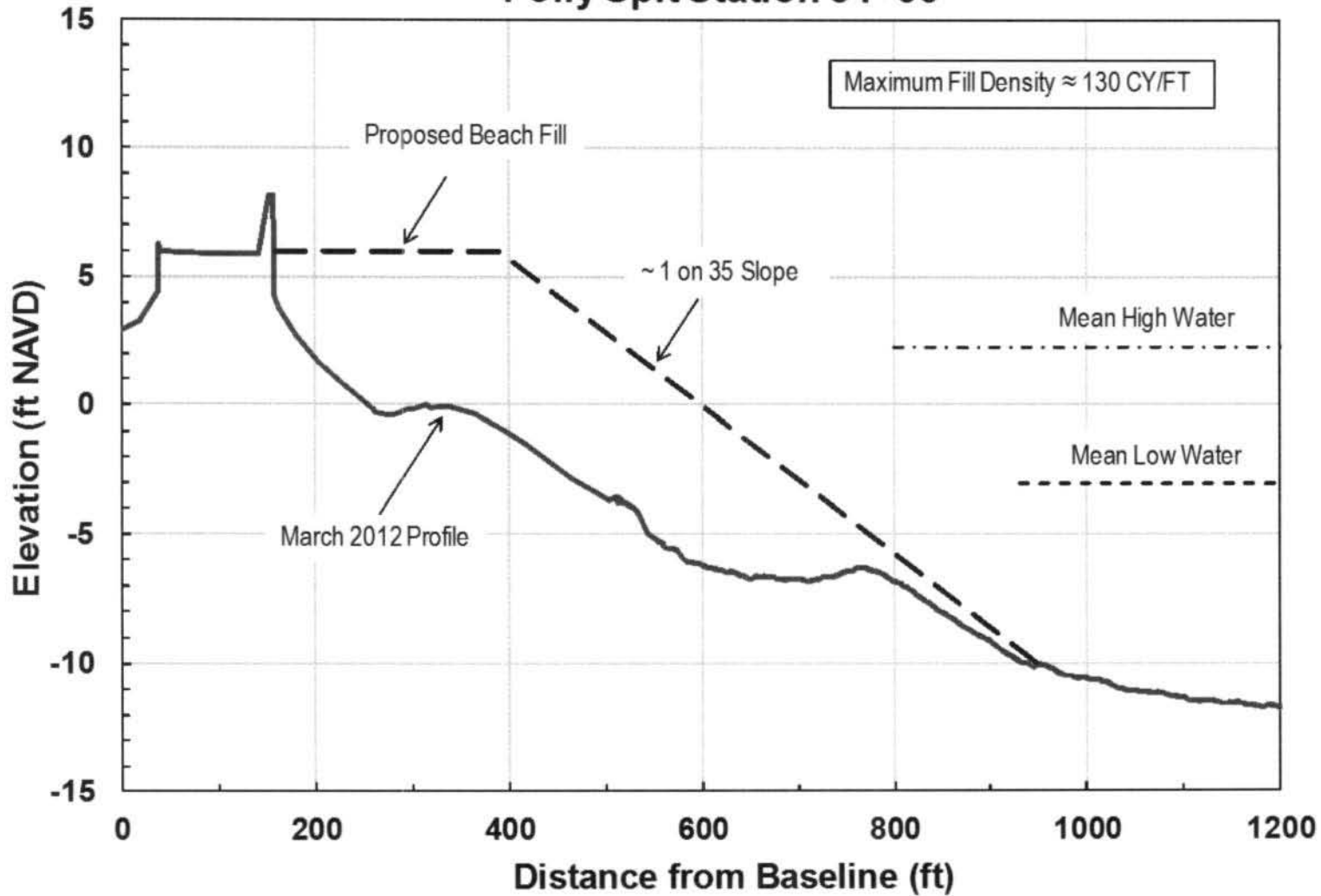
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 Date: Aug 2012
 Permit # SAC-2012-237-2IG
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04



Folly Spit Station 84+00

Maximum Fill Density \approx 130 CY/FT

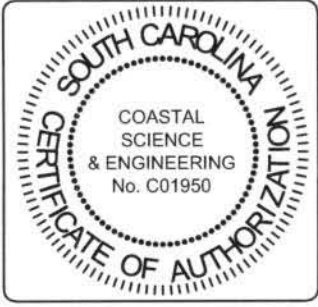


APPLICANT:
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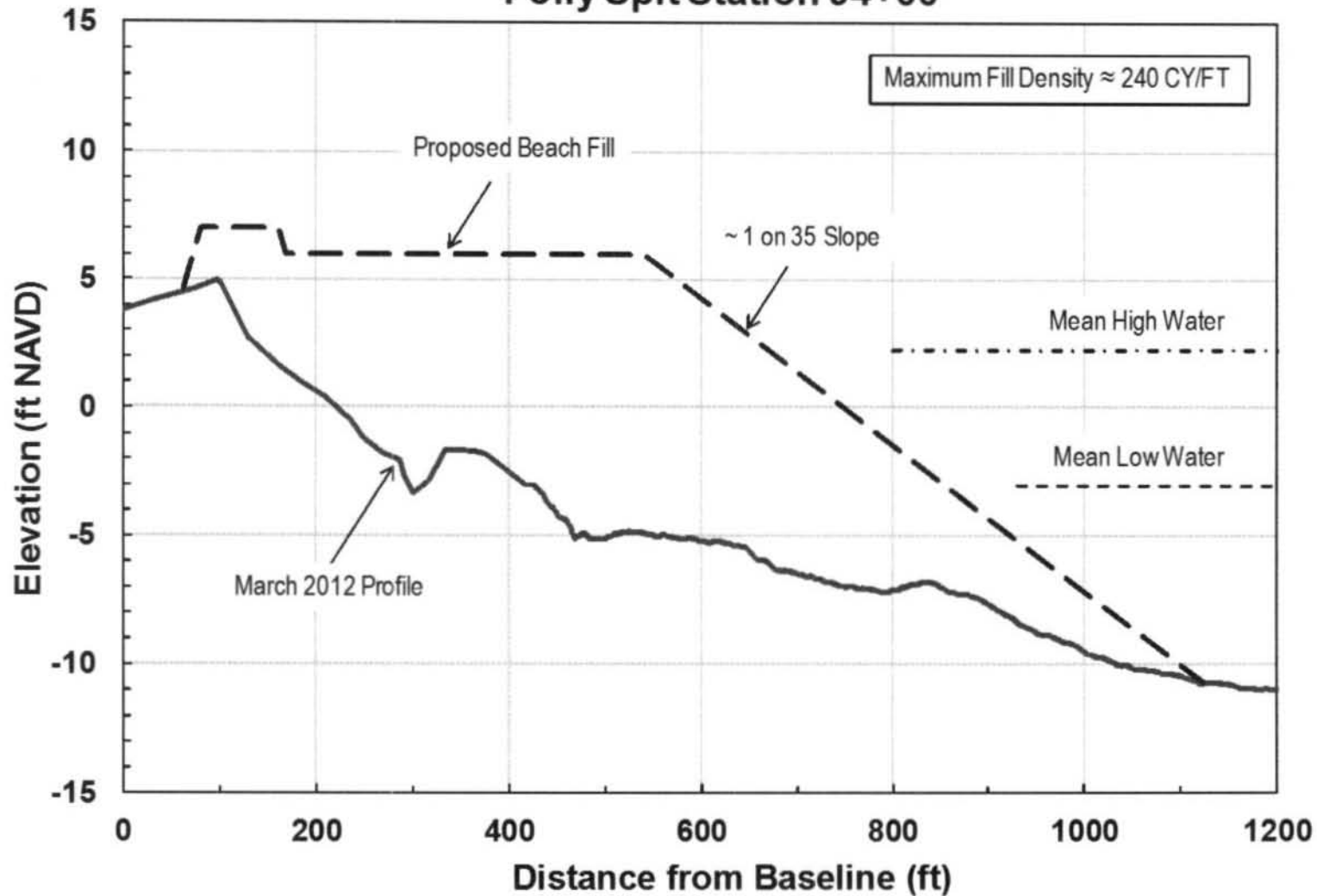
AGENT:
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 PO Box 8056
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DRAWING TITLE:
PROPOSED FILL SECTION
 STA 84+00

Scale:	As Shown	Sheet #:	05
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Permit #	SAC-2012-237-2/G		
Project #:	2388		



Folly Spit Station 94+00



APPLICANT:

Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

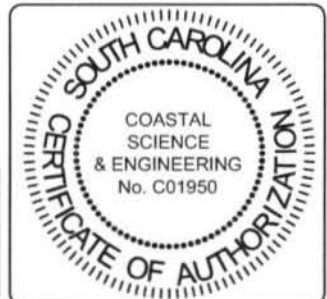
AGENT:

Coastal Science & Engineering
 PO Box 8056
 Columbia, SC 29202

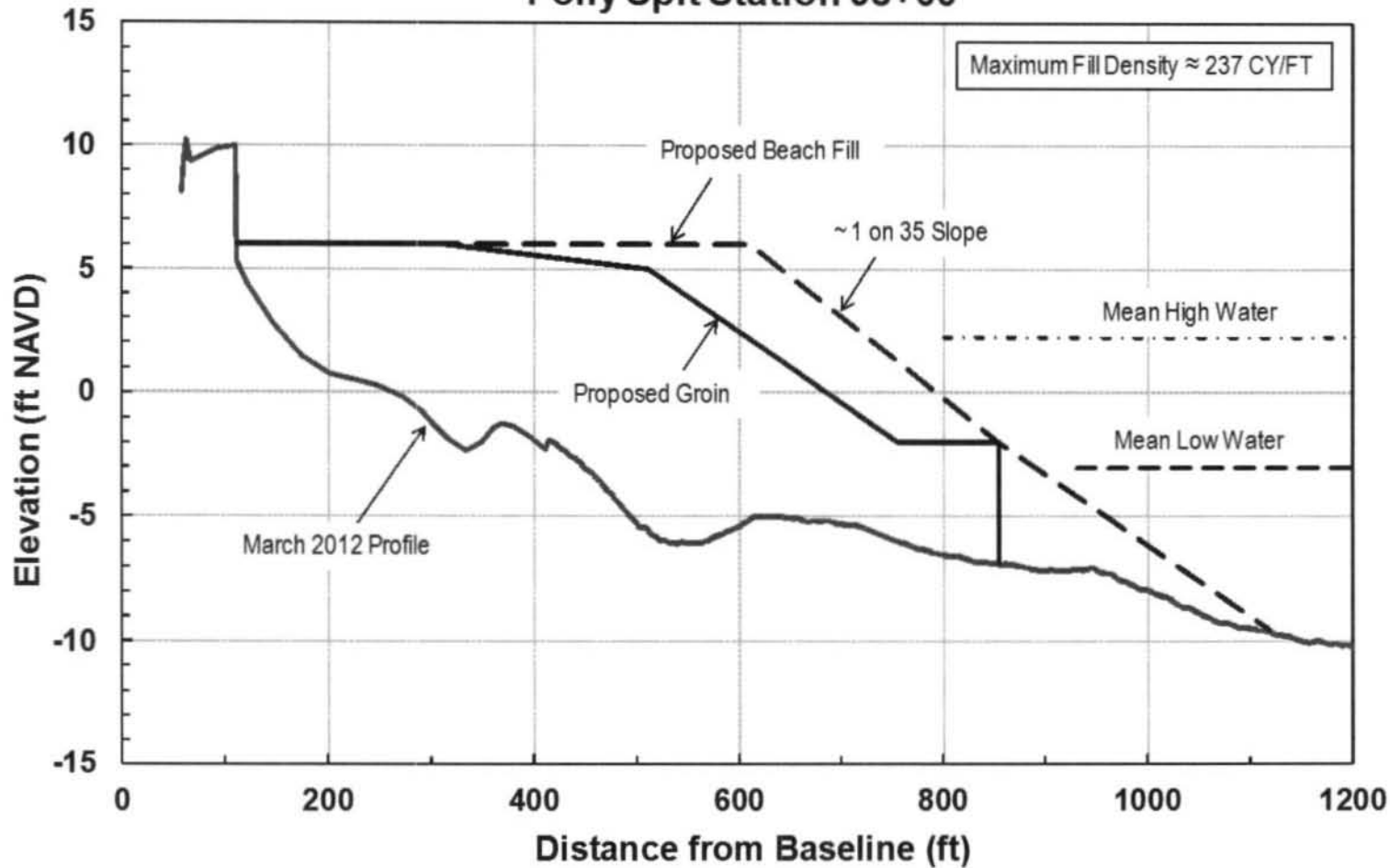
DRAWING TITLE:

**PROPOSED FILL SECTION
 STA 94+00**

Scale:	As Shown	Sheet #:
Date:	Aug 2012	06
Permit #	SAC-2012-237-2IG	
Project #:	2388	



Folly Spit Station 98+00



APPLICANT:

Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

AGENT:

Coastal Science & Engineering
 PO Box 8056
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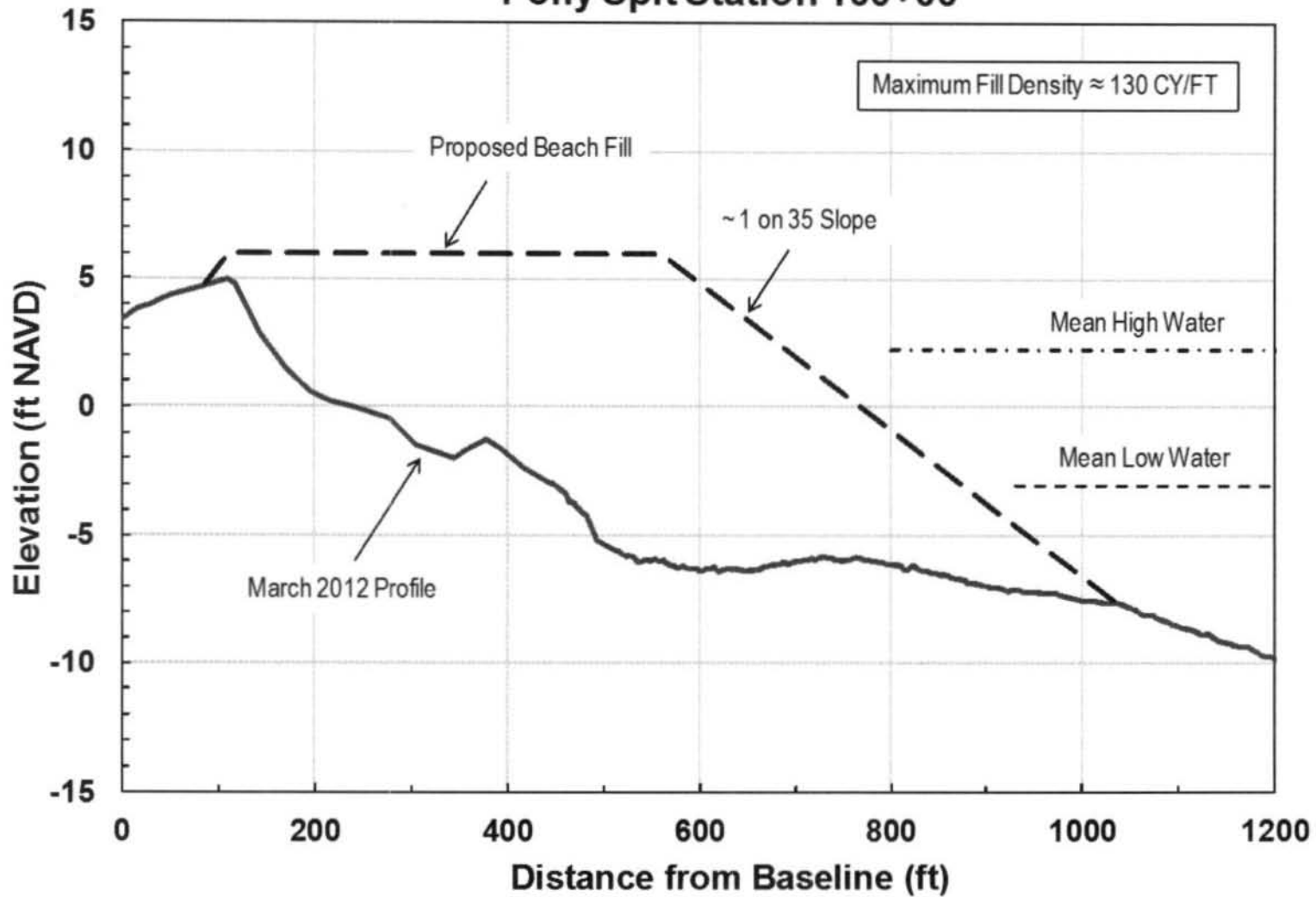
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PROPOSED GROIN SECTION
 STA 98+00

Scale:	As Shown	Sheet #:	07
Date:	Aug 2012		
Permit #	SAC-2012-237-2IG		
Project #:	2388		



Folly Spit Station 100+00



APPLICANT:

Charleston County Park & Recreation Commission
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AGENT:

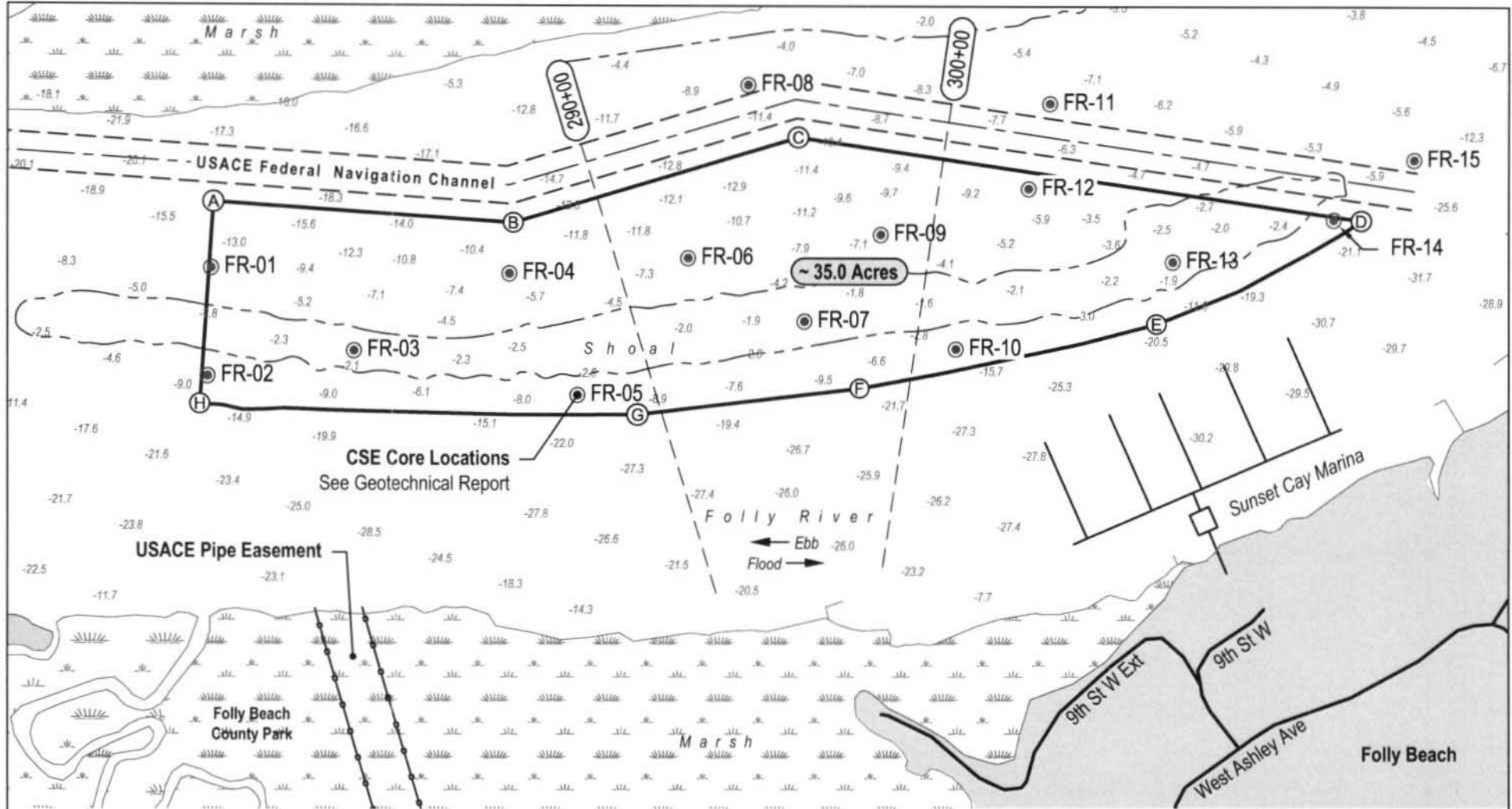
Coastal Science & Engineering
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DRAWING TITLE:

PROPOSED TAPER SECTION
 STA 100+00

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Date:	Aug 2012	08
Permit #	SAC-2012-237-2IG	
Project #:	2388	

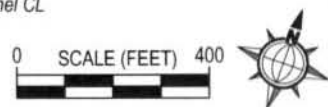




Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet) **Dates:** Mar-May 2012
Bathymetry data:
 Coastal Science & Engineering, Inc via RTK GPS

Notes:
 See sheets 09-10 for Borrow Area Sections
 290+00 and 300+00 (Federal Navigation Channel BL)
 BL Reference: USACE Folly River Drawing #9483-S1
Borrow Area Table Of Coordinates (A-H) In Permit Text

- USACE Navigational Channel CL
- USACE Pipeline Easment
- - - - - MLW (-3.05' NAVD)



APPLICANT:
 Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

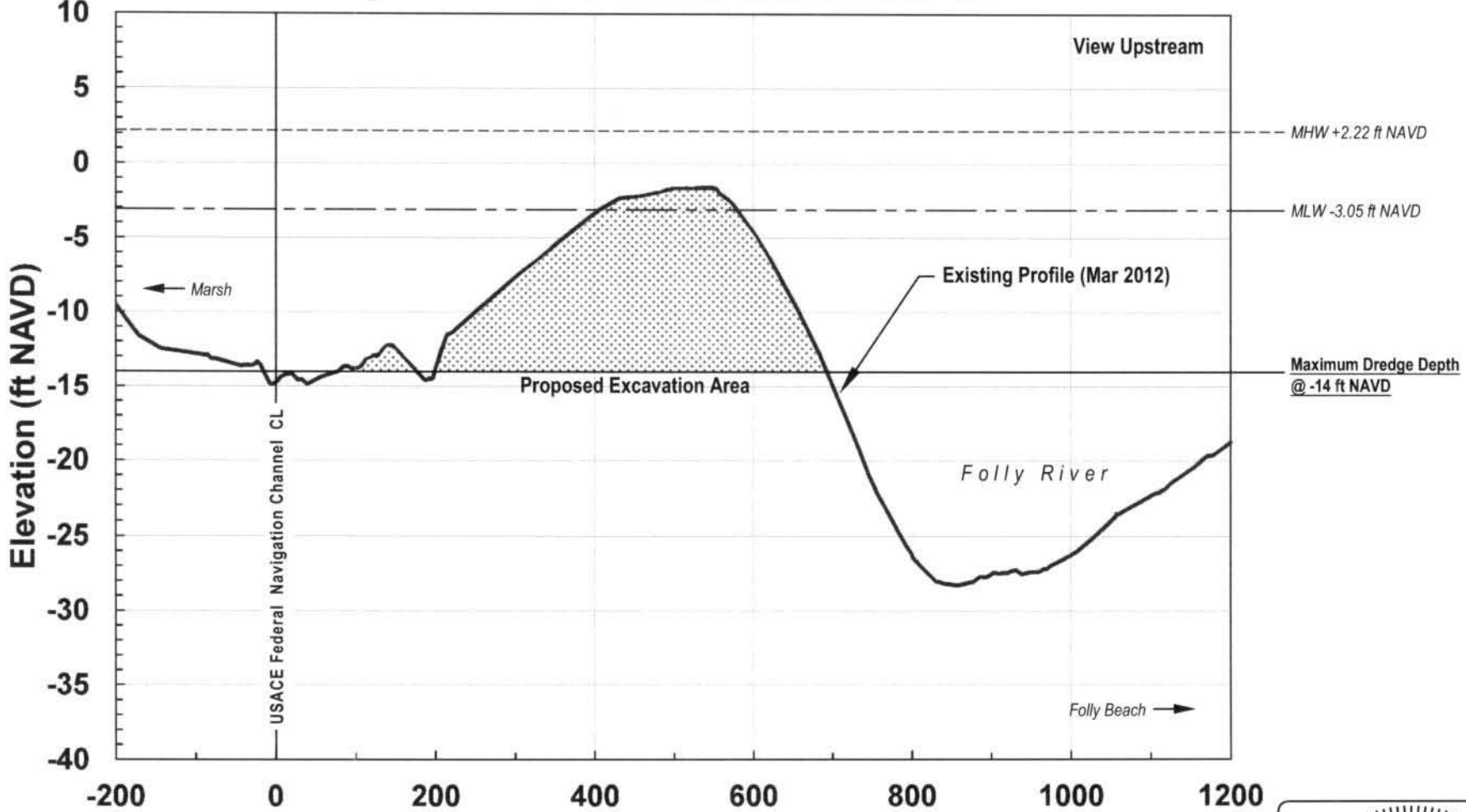
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 Columbia, SC 29202

DRAWING TITLE:
 PROPOSED BORROW AREA

Scale:	As Shown	Sheet #:	09
Date:	Aug 2012		
Permit #	SAC-2012-237-2IG		
Project #:	2388		



Folly River Borrow Area Station 290+00



Survey Datum:
 Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
 Vertical: NAVD '88 (Feet) Dates: Mar-May 2012
Bathymetry data:
 Coastal Science & Engineering, Inc via RTK GPS

Distance from USACE Channel Baseline (ft)

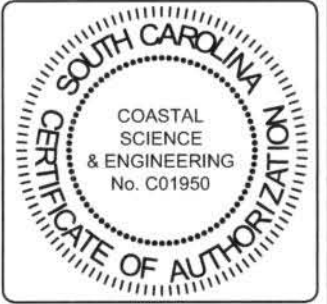
Notes:
 BL Reference: USACE Folly River Drawing #9483-S1

APPLICANT:
 Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

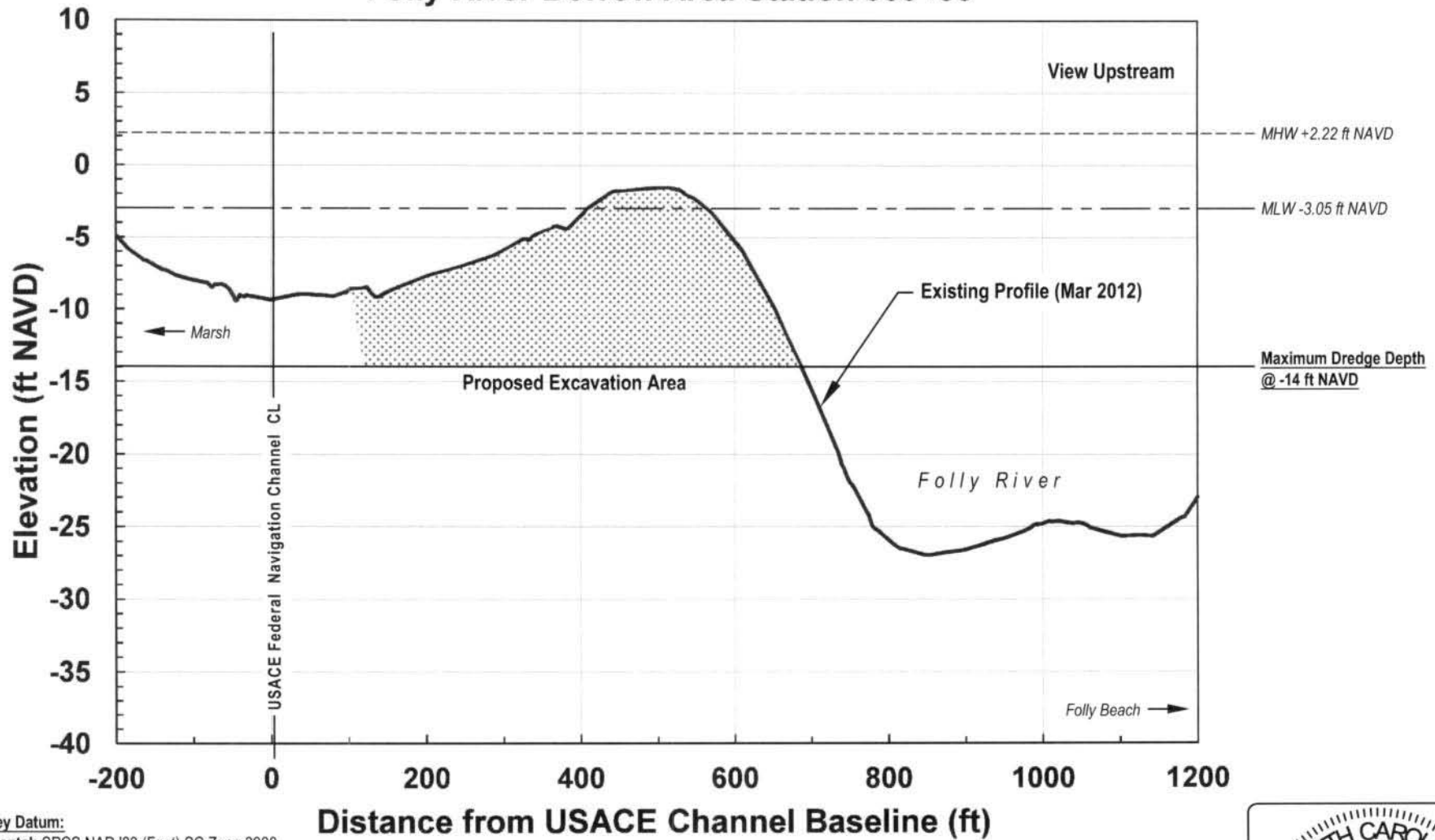
AGENT:
 Coastal Science & Engineering
 PO Box 8056
 Columbia, SC 29202

DRAWING TITLE:
BORROW AREA SECTION
 STA 290+00

Scale:	As Shown	Sheet #:	10
Date:	Aug 2012		
Permit #	SAC-2012-237-2IG		
Project #:	2388		



Folly River Borrow Area Station 300+00



Survey Datum:

Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
 Vertical: NAVD '88 (Feet) Dates: Mar-May 2012

Bathymetry data:

Coastal Science & Engineering, Inc via RTK GPS

Notes:

BL Reference: USACE Folly River Drawing #9483-S1

APPLICANT:

Charleston County Park & Recreation Commission
 861 Riverland Drive
 Charleston SC 29412

AGENT:

Coastal Science & Engineering
 PO Box 8056
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DRAWING TITLE:

BORROW AREA SECTION
 STA 300+00

Scale:	As Shown	Sheet #:
Date:	Aug 2012	11
Permit #	SAC-2012-237-2IG	
Project #:	2388	

