

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-2013-01038-21R

June 26, 2015

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

BERKELEY COUNTY
C/O: THOMAS HUTTO
GEL ENGINEERING, LLC.
PO BOX 30712
CHARLESTON, SOUTH CAROLINA 29417

for a permit to dredge in the

COOPER RIVER

at Berkeley County's Bushy Park Boat Landing in Goose Creek, Berkeley County, South Carolina. (Latitude: 32.967119, Longitude: -79.937091).

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 dredging at Bushy Park Boat Landing. In detail the applicant proposes to dredge a channel that is 100-feet wide and approximately 1,750-feet long (approximately 4.6 acres). The proposed dredge depth is -8.0 feet MLW with an overdepth allowance of 1-foot for a total dredge depth of -9.0 feet MLW. The anticipated dredge volume will

be approximately 61,000 cubic yards for the initial dredge event. They do not anticipate future dredge events would exceed approximately 30,000 cubic yards every 10 years. The dredging will be performed by hydraulic cutterhead dredge and will be transported via pipeline to Yellow House Creek Confined Disposal Facility (CDF). The applicant has not proposed to mitigate because they have taken measures to avoid all impacts to marsh vegetation and the project is limited to maintaining a boat landing and channel. The project purpose is to maintain safe operating depths at all tidal stages for recreation vessels using the boat landing.

NOTE: This public notice and associated plans are available on the Corps' website at: <http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> . For those unable to access the website, a copy of this notice and the associated plans will be provided, upon receipt of a written request. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided. Your request 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 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 4.6 acres of estuarine substrates utilized by various life stages of species comprising the 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.

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 that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species 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.

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 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 initially determined that no historic properties, nor properties eligible for inclusion in the National Register, are present; therefore, there will be no effect on 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.

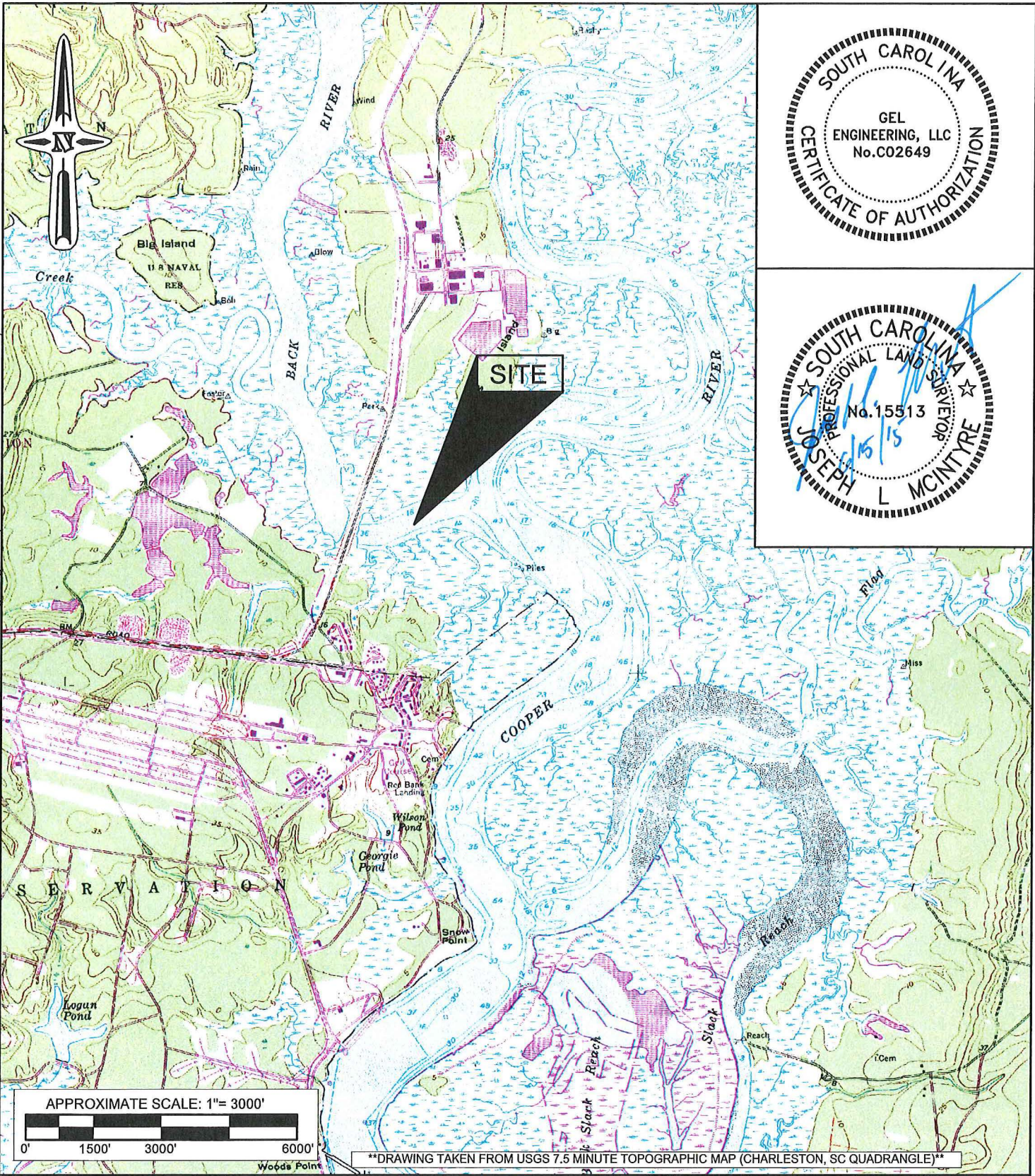
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

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 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 **Ms. Chelsea Bowman** at 843-329-8044 or toll free at 1-866-329-8187.

h:\cadfiles\la-d\l\berk\berk00113-bushy park hydro\berk00113-permit.dwg\cad\berk00113-bushy park hydro permit 3-4-15.dwg : Figure 1 (Plotted: 4/27/2015 12:33:35 PM)



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS

COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

**FIGURE 1
LOCATION MAP**

(SCALE)
APPROXIMATE SCALE: 1" = 3000'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING

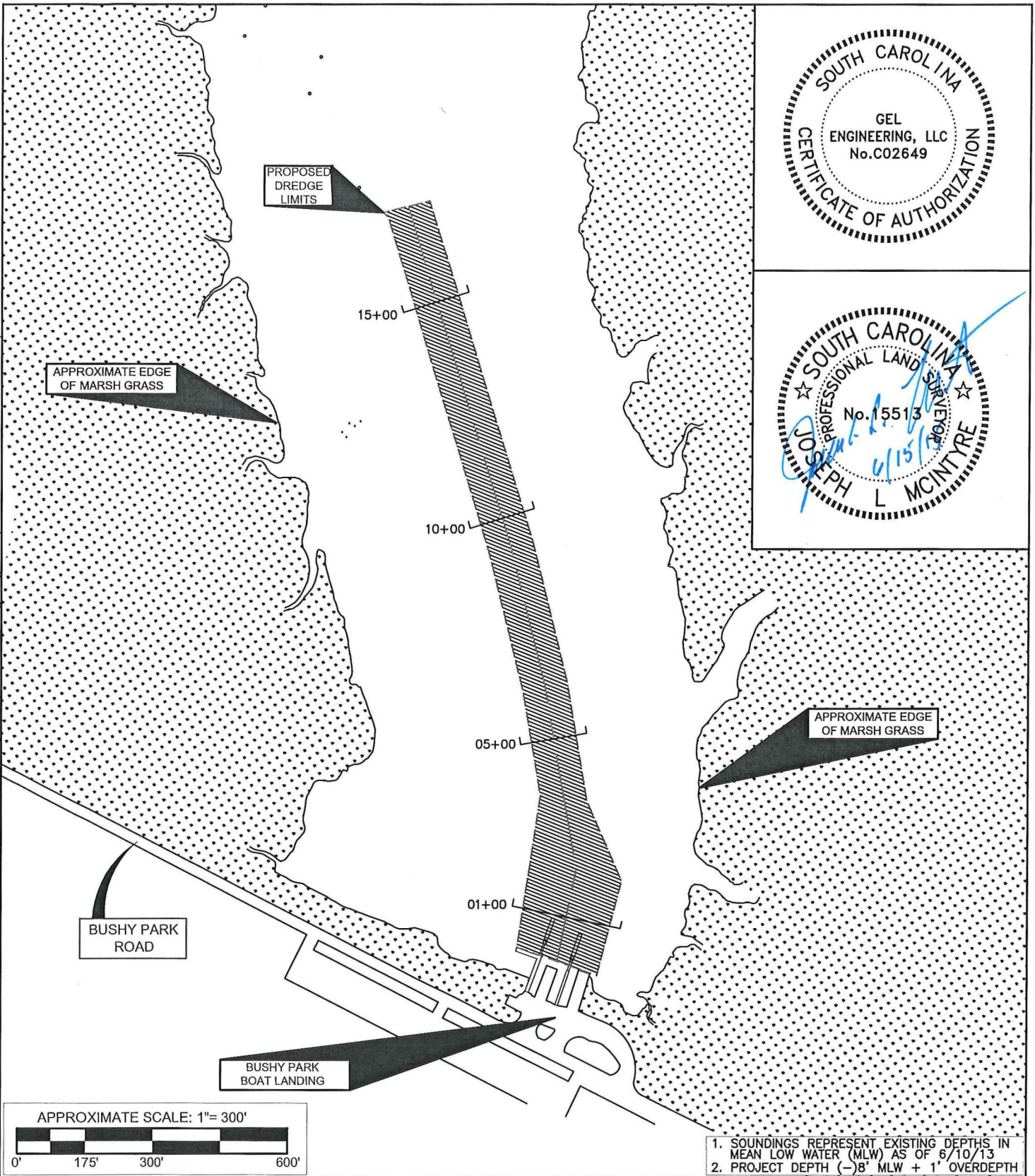
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 1 OF 10 3/14/15

h:\cadfiles\la-d\berk\berk00113-bushy park hydro\berk00113-permit.dwg\berk00113-bushy park hydro permit 3-4-15.dwg : Figure 2 (Plotted: 4/27/2015 12:33:38 PM)



1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 6/10/13
2. PROJECT DEPTH (-)8' MLW + 1' OVERDEPTH

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS

COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FOR PERMITTING PURPOSES ONLY.
NOT FOR CONSTRUCTION.

FIGURE 2
PLAN VIEW

(SCALE)
APPROXIMATE SCALE: 1"= 300'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 2 OF 10 3/14/15

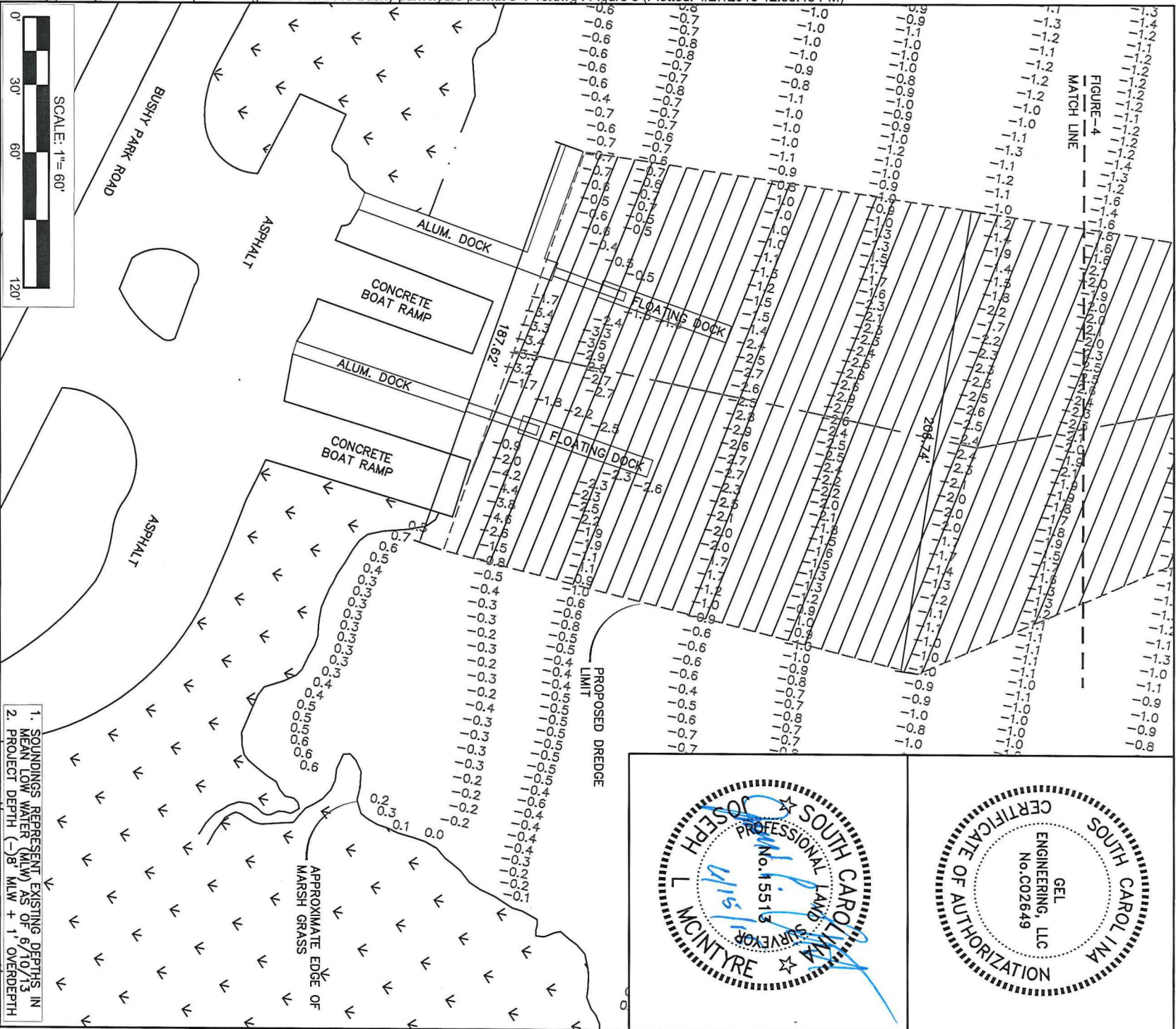


FIGURE-4
MATCH LINE

FIGURE 3
DETAILED PLAN VIEW

SCALE: 1" = 60'

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 6/10/13
2. PROJECT DEPTH (-) 3' MLW + 1' OVERDEPTH

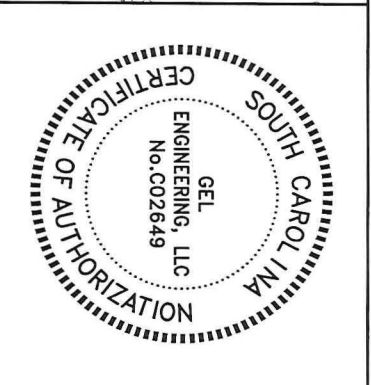
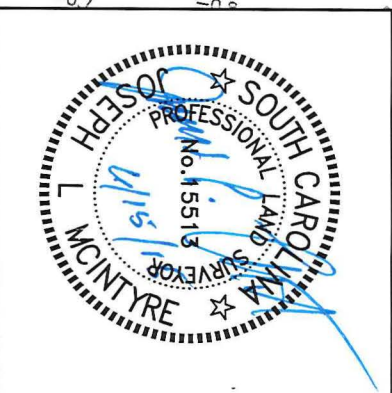
PROPOSED: MAINTENANCE DREDGING

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

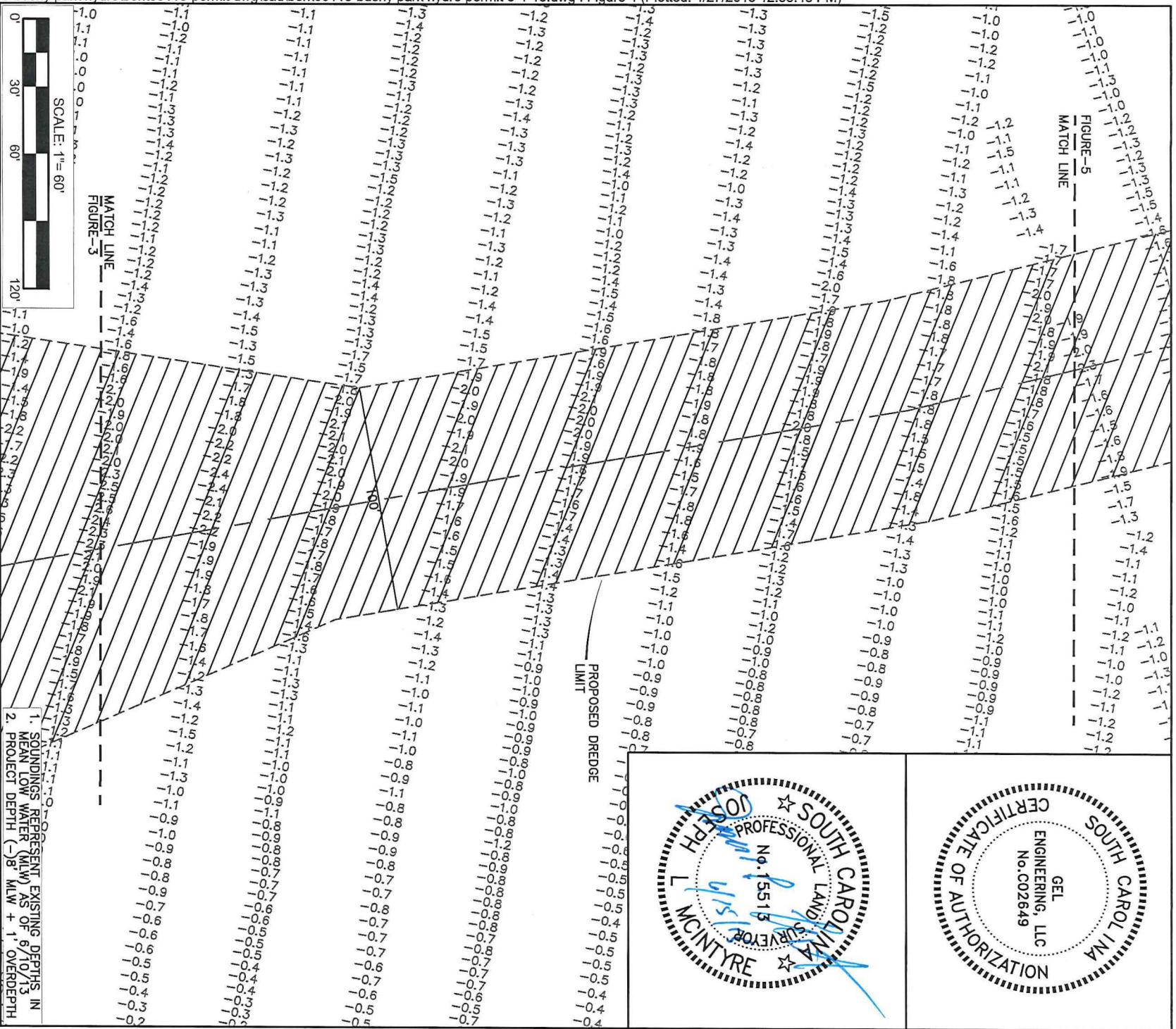
SHEET: 3 OF 10 3/14/15



BERK00113

GEL ENGINEERING, INC.

a Member of THE GEL GROUP, INC.



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS
 ADJACENT PROPERTY OWNERS
 COOPER RIVER PARTNERS
 UNITED STATES OF AMERICA
 REFERENCE: MLW

FIGURE 4
 DETAILED PLAN VIEW

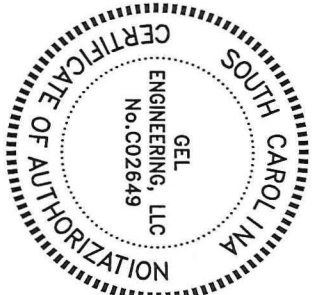
SCALE: 1" = 60'

1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 6/10/13
 2. PROJECT DEPTH (-) 8' MLW + 1' OVERDEPTH

BERKELEY COUNTY
 BUSHY PARK BOAT LANDING
 GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING
 AT: BUSHY PARK BOAT LANDING
 IN: COOPER RIVER
 COUNTY OF: BERKELEY
 SOUTH CAROLINA

SHEET: 4 OF 10
 3/14/15

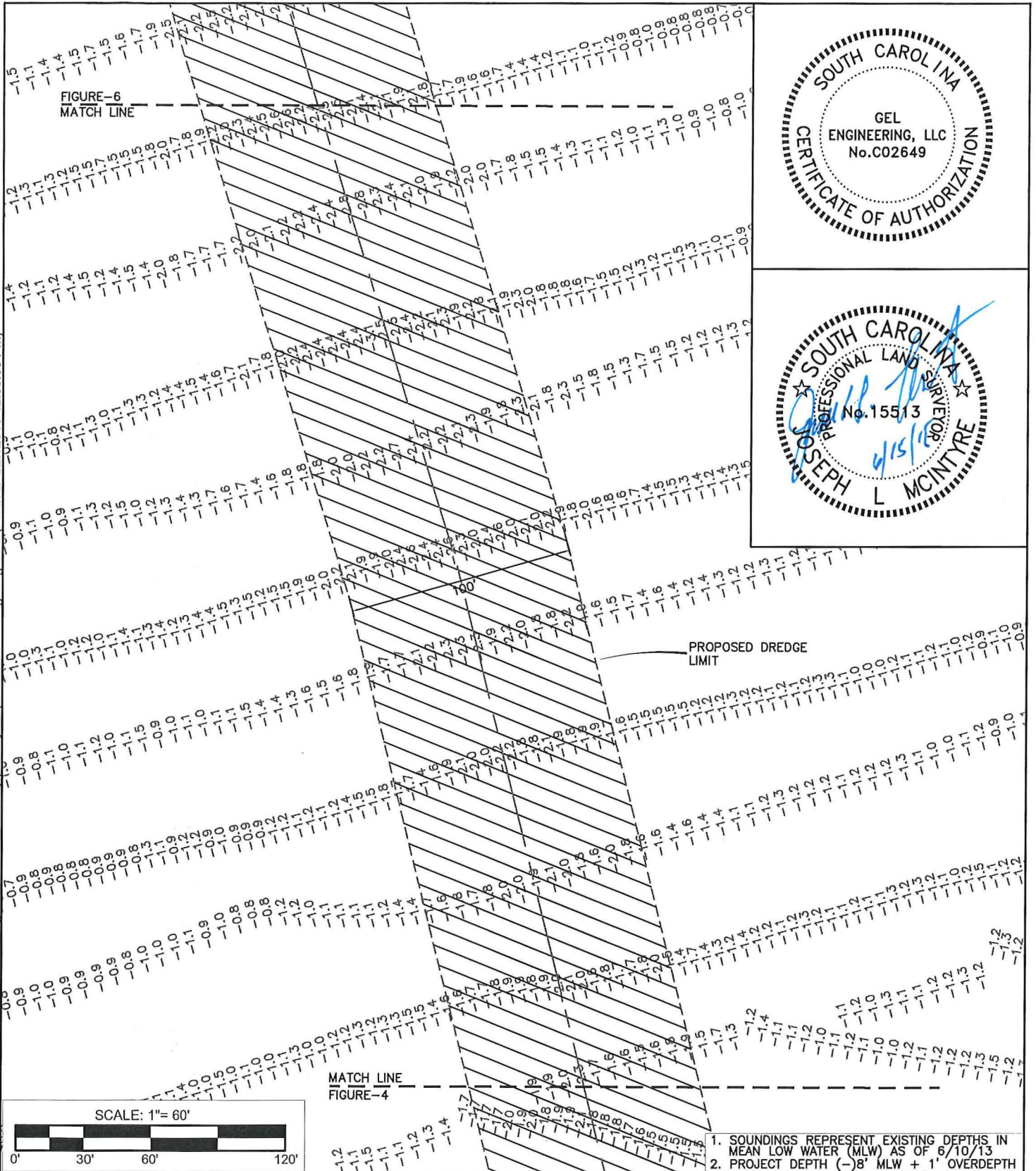


BERK00113

GEL ENGINEERING, INC.

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1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 6/10/13
2. PROJECT DEPTH (-)8' MLW + 1' OVERDEPTH

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS

COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FOR PERMITTING PURPOSES ONLY.
NOT FOR CONSTRUCTION.

FIGURE 5
DETAILED PLAN VIEW

SCALE: 1" = 60'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

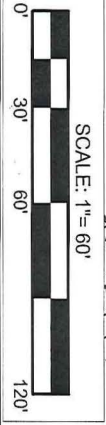
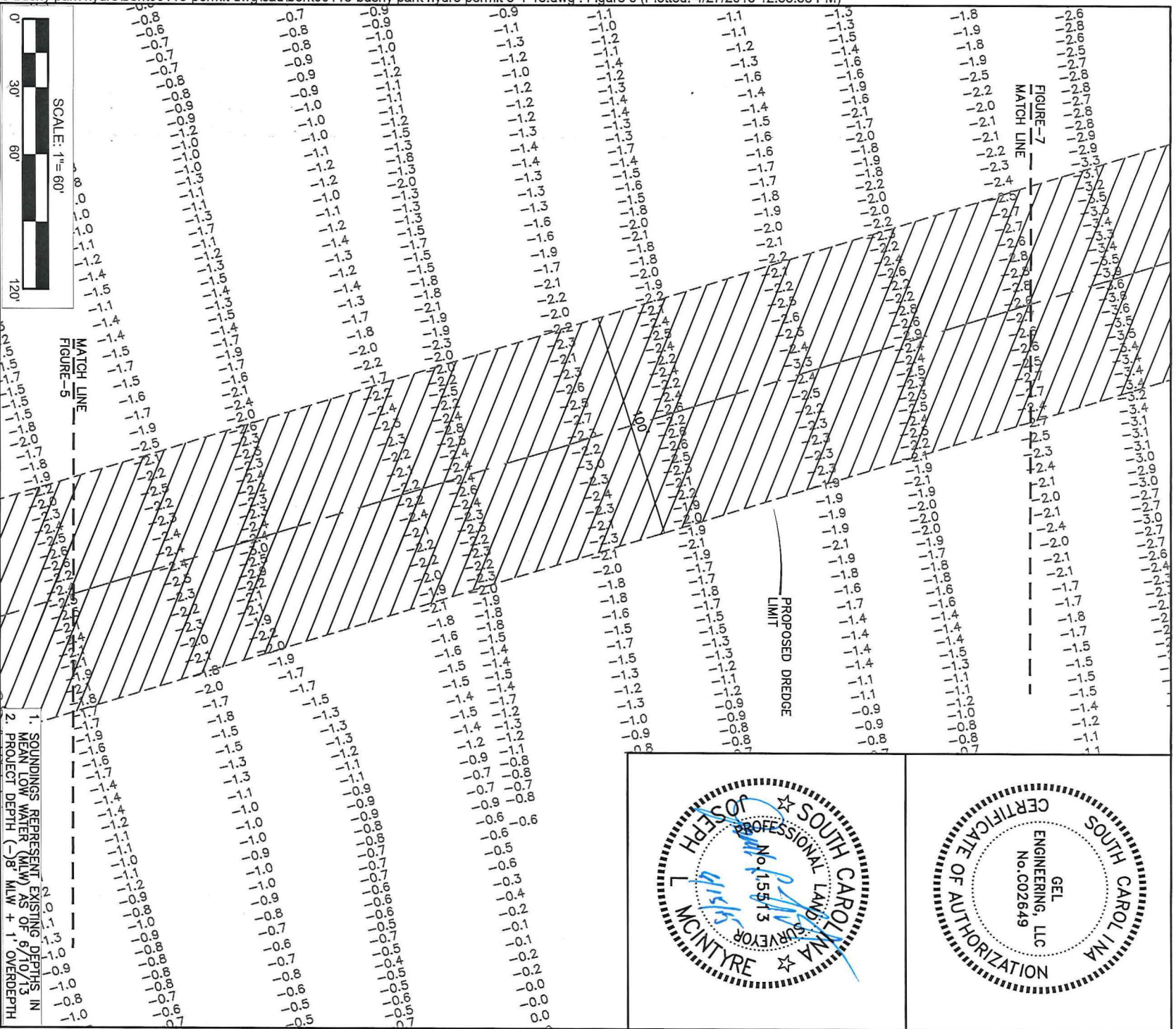
PROPOSED: MAINTENANCE DREDGING

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 5 OF 10 3/14/15



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS
 COOPER RIVER PARTNERS
 UNITED STATES OF AMERICA
 REFERENCE: MLW

FOR PERMITTING PURPOSES ONLY.
 NOT FOR CONSTRUCTION.

FIGURE 6
 DETAILED PLAN VIEW

SCALE: 1" = 60'

BERKELEY COUNTY
 BUSHY PARK BOAT LANDING
 GOOSE CREEK, SOUTH CAROLINA

BERK00113

GEL ENGINEERING, INC.

1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 6/10/13
2. PROJECT DEPTH (-) 8' MLW + 1' OVERDEPTH

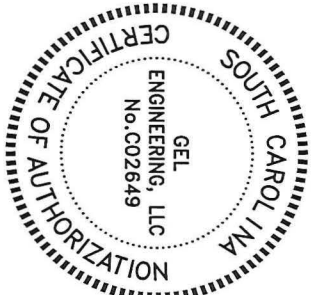
PROPOSED: MAINTENANCE DREDGING

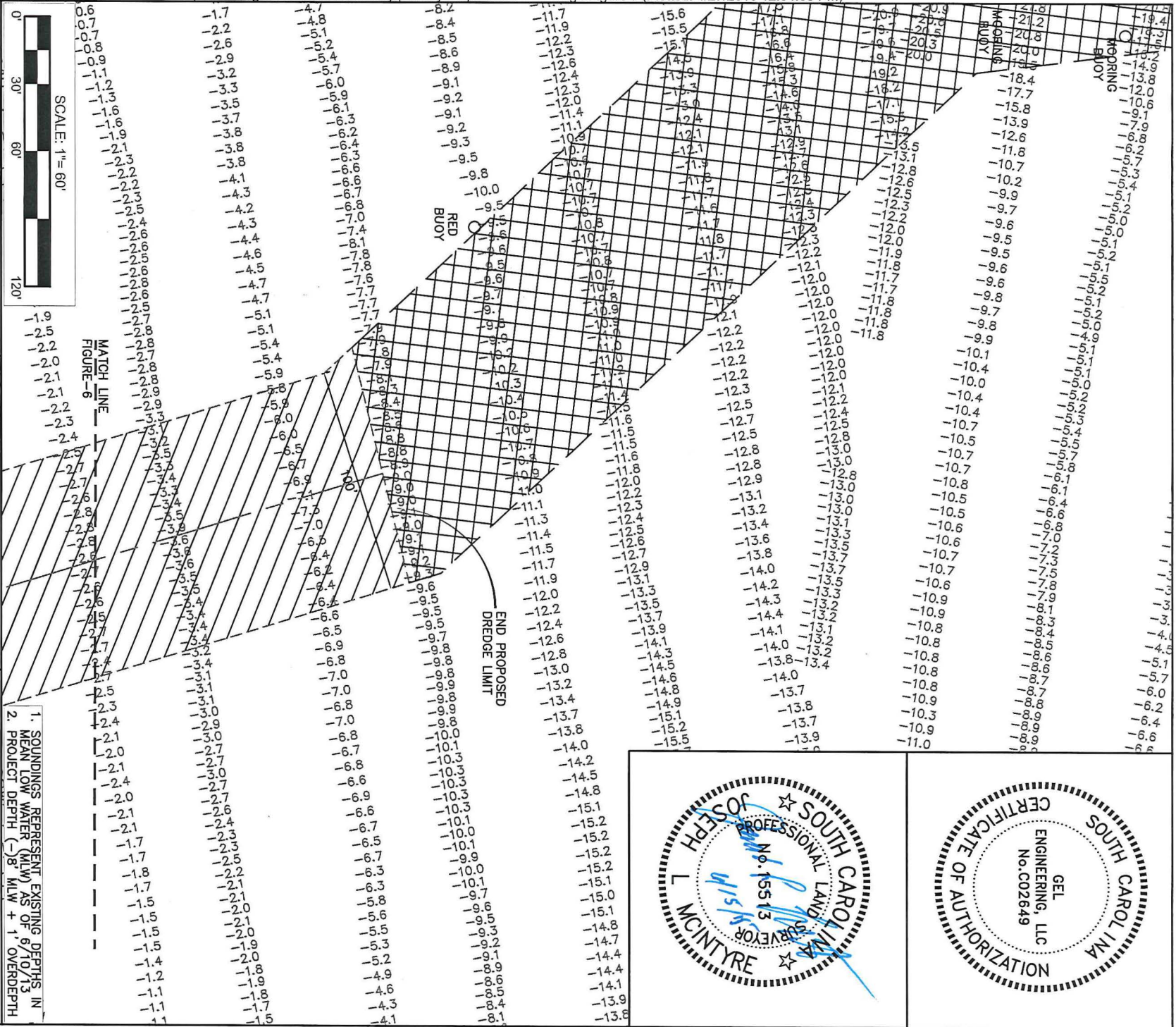
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
 SOUTH CAROLINA

SHEET: 6 OF 10
 3/14/15





SCALE: 1" = 60'
 0' 30' 60' 120'

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS
 ADJACENT PROPERTY OWNERS
 COOPER RIVER PARTNERS
 UNITED STATES OF AMERICA
 REFERENCE: MLW

FIGURE 7
 DETAILED PLAN VIEW

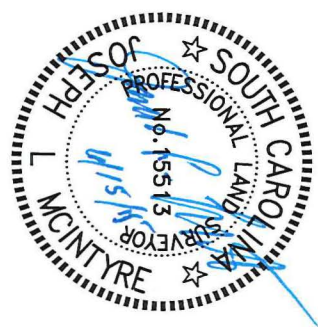
SCALE: 1" = 60'

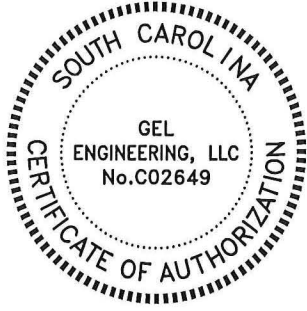
BERKELEY COUNTY
 BUSHY PARK BOAT LANDING
 GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING
 AT: BUSHY PARK BOAT LANDING
 IN: COOPER RIVER
 COUNTY OF: BERKELEY
 SOUTH CAROLINA

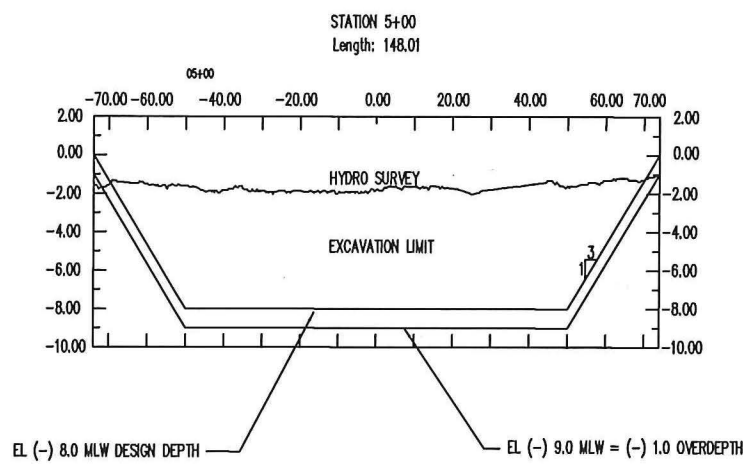
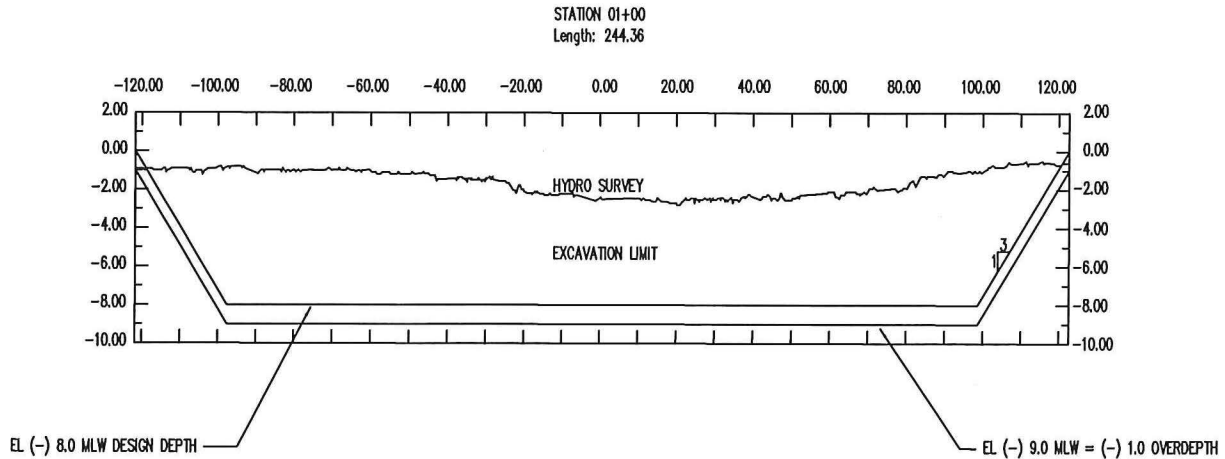
SHEET: 7 OF 10 3/14/15

1. SOUNDINGS REPRESENT EXISTING DEPTHS IN MEAN LOW WATER (MLW) AS OF 8/10/13
 2. PROJECT DEPTH (-) 8' MLW + 1' OVERDEPTH

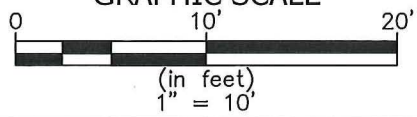




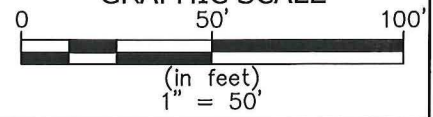
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VERTICAL GRAPHIC SCALE



HORIZONTAL GRAPHIC SCALE



**FIGURE 8
CROSS SECTIONS**

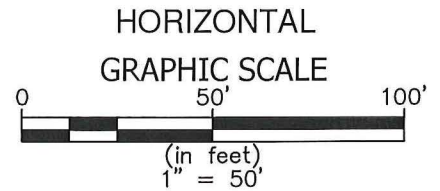
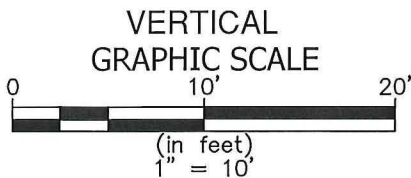
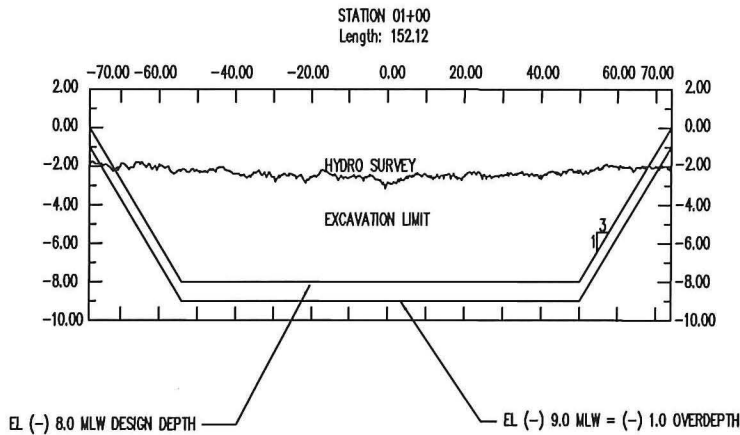
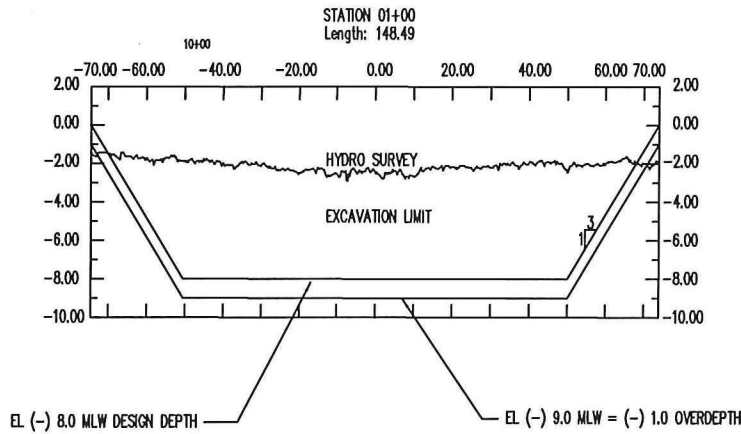
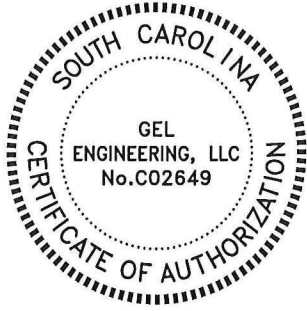
(SCALE)
SHOWN

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING
AT: BUSHY PARK BOAT LANDING
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA
SHEET: 8 OF 10 3/14/15

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS
ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA
REFERENCE: MLW

FOR PERMITTING PURPOSES ONLY.
NOT FOR CONSTRUCTION.



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS

COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FOR PERMITTING PURPOSES ONLY.
NOT FOR CONSTRUCTION.

FIGURE 9
CROSS SECTIONS

(SCALE)
SHOWN

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

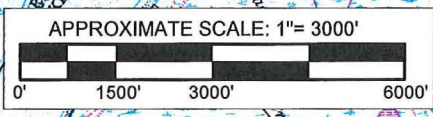
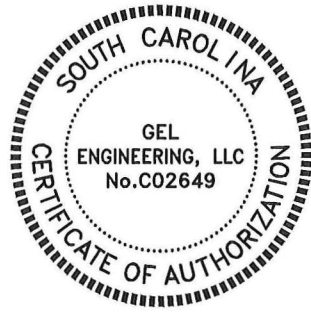
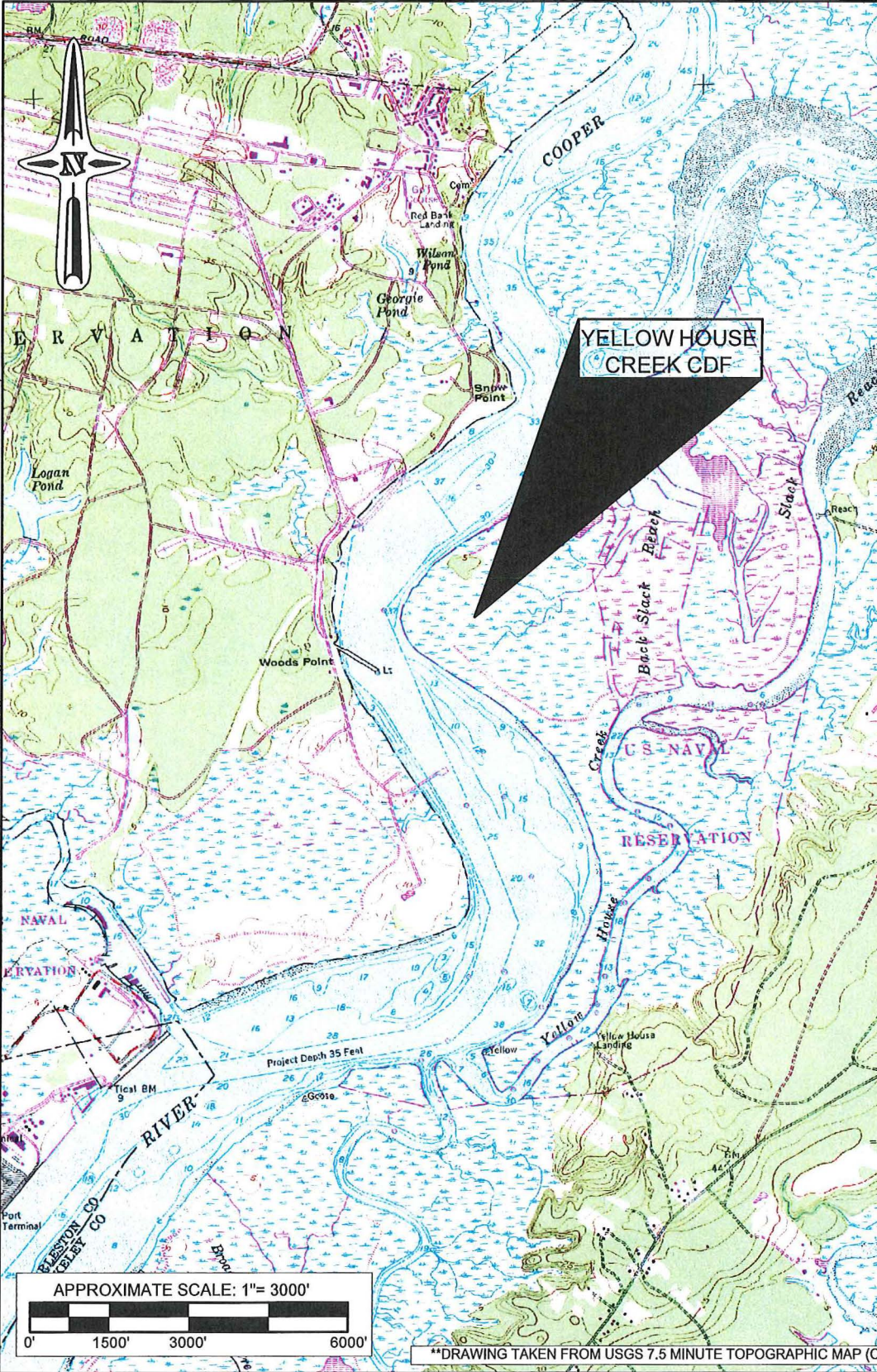
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 9 OF 10

3/14/15

I:\cadfiles\13-bushy park hydro\berk00113-permit.dwg\berk00113-bushy park hydro permit 3-4-15.dwg : Figure 9 (Plotted: 4/27/2015 12:34:13 PM)

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DRAWING TAKEN FROM USGS 7.5 MINUTE TOPOGRAPHIC MAP (CHARLESTON, SC QUADRANGLE)

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS
ADJACENT PROPERTY OWNERS
 COOPER RIVER PARTNERS
 UNITED STATES OF AMERICA

 REFERENCE: MLW

FIGURE 10
 YELLOW HOUSE CREEK
 CDF

 (SCALE)
 APPROXIMATE SCALE: 1"= 3000'

 BERKELEY COUNTY
 BUSHY PARK BOAT LANDING
 GOOSE CREEK, SOUTH CAROLINA

PROPOSED: MAINTENANCE DREDGING
 AT: BUSHY PARK BOAT LANDING
 IN: COOPER RIVER
 COUNTY OF: BERKELEY
 SOUTH CAROLINA
 SHEET: 10 OF 10 3/14/15