

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
Water Quality Certification and Wetlands Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION
Refer to: P/N SAC-2020-01236

April 1, 2021

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

Mr. Johnny Cribb
Berkeley County
P.O. Box 6122
Berkeley County, South Carolina 29461

for a permit to dredge an existing boat ramp and entrance channel and construct a new Disposal Material Placement Facility (DMPF) in the

Cooper River

at the existing Bushy Park Boat Landing off of Bushy Park Road in Goose Creek, Berkeley County, South Carolina (Latitude: 32.9725 °, Longitude: -79.9329 °), North Charleston Quad Sheet.

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

N O T I C E

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 the Bushy Park Boat Ramp and entrance channel and disposing of the material in a proposed Disposal Material Placement Facility. In detail, the applicant proposes to hydraulically dredge a 200-foot wide by 1,750-foot long channel

(approximately 8 acres) to -8.0 feet MLW with allowable 1' overdepth. The anticipated dredge volume for the initial dredge event is approximately 120,000 cubic yards of dredged material, with future events not anticipated to exceed 60,000 cubic yards every ten years given that dredging has not been required since the channel was initially formed 60 years ago. The applicant proposes to dispose of the dredged material by pumping it via pipeline to the proposed Dredged Material Disposal Facility (DMPF). The DMPF is proposed on an 18.3-acre tract north of the dredge channel and will require filling of 7.52 acres of freshwater wetlands. In 2014, the applicant had requested permission to use the Yellow House Creek DMPF, the closest DMPF, for sediment disposal. However, in 2017, the Corps restricted use of Corps owned DMPFs or on DMPFs which it has an easement. Therefore, the applicant has been required to identify another option for sediment disposal. The applicant is not proposing mitigation for the proposed dredging as no vegetated wetlands will be impacted by the dredging. However, the applicant has proposed to mitigate for impacts to wetlands and/or waters of the United States by purchasing 86.84 mitigation credits from either Palmetto Umbrella Mitigation Bank- Big Run Site or Caton Creek Mitigation Bank. Please note, the applicant is also considering purchase a tract of land along the Bushy Park Reservoir with the intent of permanently protecting wetlands adjacent to the region's drinking water source. If a suitable tract of land is identified, the applicant will provide supplemental information. According to the applicant, the project purpose is to establish and maintain safe operating depths at the Bushy Park Boat Landing during all tidal phases.

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 8 acres of estuarine substrates and emergent wetlands 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 will have no effect on the frosted flatwood salamander, American wood stork, American

chaffsheed, Canby's dropwort or pondberry and will not result in the destruction or adverse modification of designated or proposed critical habitat. In addition, the District Engineer has determined that the project may affect, but is not likely to adversely affect (MANLAA) the red-cockaded woodpecker, Northern long-eared bat, Atlantic sturgeon, shortnose sturgeon, and West Indian manatee and will not result in the destruction or adverse modification of designated or proposed critical habitat. A biological assessment (or other similar document) detailing our analysis of the potential effects of the action, and proposed conservation measures 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)(f)(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. 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

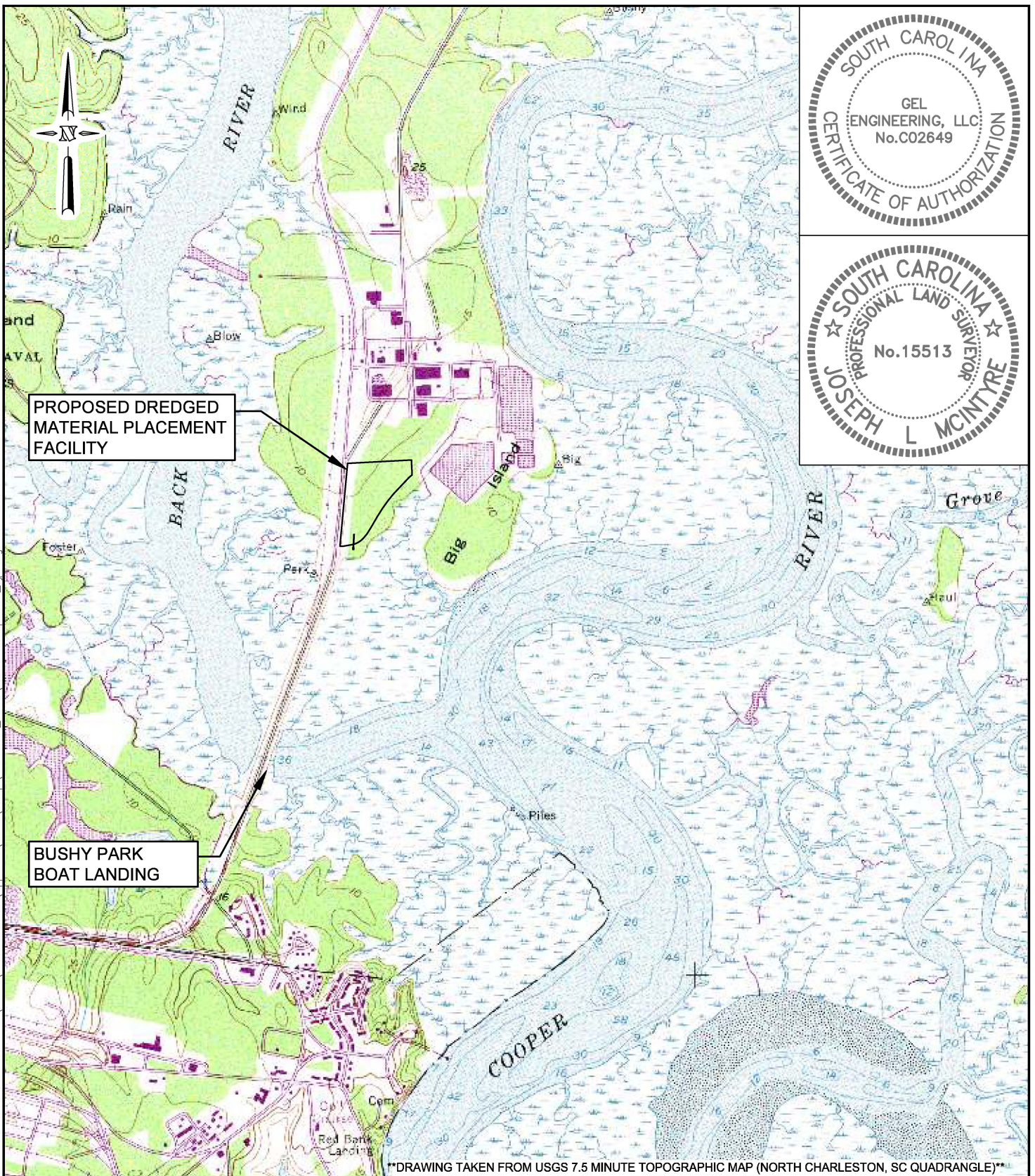
April 1, 2021

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 Chelsea B. Fannin, Project Manager, at (843) 329-8038, toll free at 1-866-329-8187, or by email at Chelsea.B.Fannin@usace.army.mil.

BY: Thomas Patton LOCATION: C:\Users\ThomasPatton\AppData\Local\Temp\AcPublish_3352\berk00720-permit-tp.dwg LAYOUT: 1 PLOTTED: 1/26/2021 4:12 PM



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 1
LOCATION MAP

APPROXIMATE SCALE: 1"= 2000'
0' 1000' 2000' 4000'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

AT: BUSHY PARK BOAT LANDING

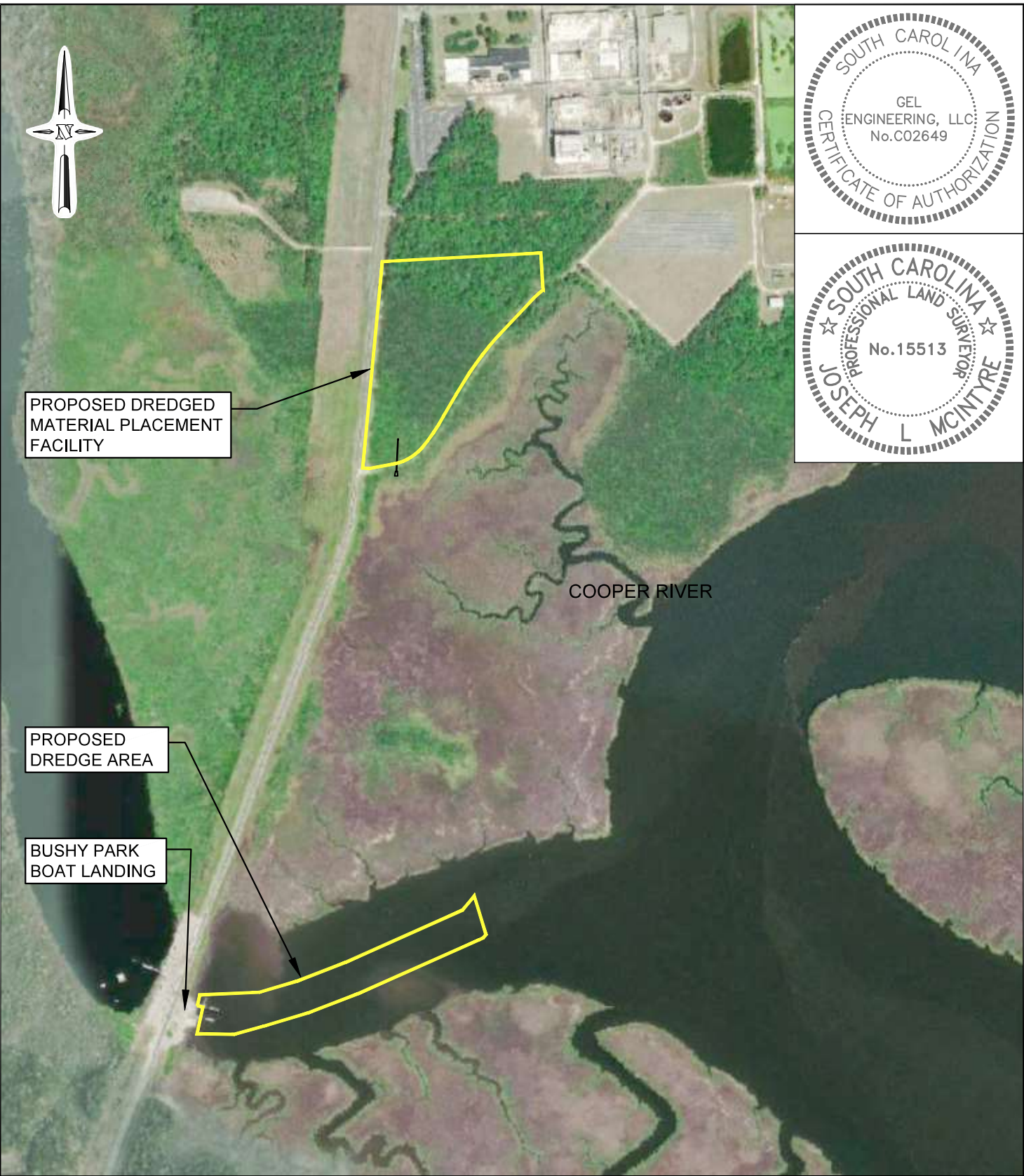
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 1 OF 14

DATE: 01/26/2021

BY: ThomasPatton LOCATION: C:\Users\ThomasPatton\AppData\Local\Temp\AcPublish_3352\berk00720-permit_tlp.dwg LAYOUT: 2
PLOTTED: 1/26/2021 4:12 PM



PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 2
SITE MAP



BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

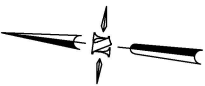
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

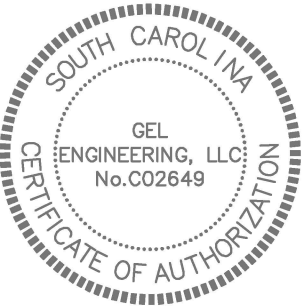
SHEET: 2 OF 14

DATE: 01/26/2021



PROPOSED
DREDGE LIMITS

APPROXIMATE EDGE
OF MARSH GRASS



APPROXIMATE EDGE
OF MARSH GRASS

BUSHY PARK
BOAT LANDING

BUSHY PARK ROAD

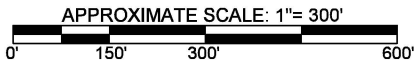
- 1. SOUNDINGS REPRESENT EXISTING DEPTHS
IN MEAN LOW WATER (MLW) AS OF 6/10/13
- 2. PROJECT DEPTH (-)8' MLW + 1' OVERDEPTH

PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 3
DREDGE AREA PLAN VIEW



APPROXIMATE SCALE: 1"= 300'
BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL
AT: BUSHY PARK BOAT LANDING
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA
SHEET: 3 OF 14
DATE: 01/26/2021

BY: Thomas Patton LOCATION: C:\Users\ThomasPatton\AppData\Local\Temp\AcPublish_3352\berk00720-permit-1.pdwg LAYOUT: 3
PLOTTED: 1/26/2021 4:12 PM



FIGURE 4
DETAILED DREDGE AREA
PLAN VIEW

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

PROPOSED: DREDGING & DISPOSAL
AT: BUSHY PARK BOAT LANDING
IN: COOPER RIVER

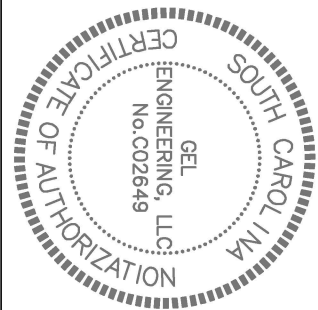
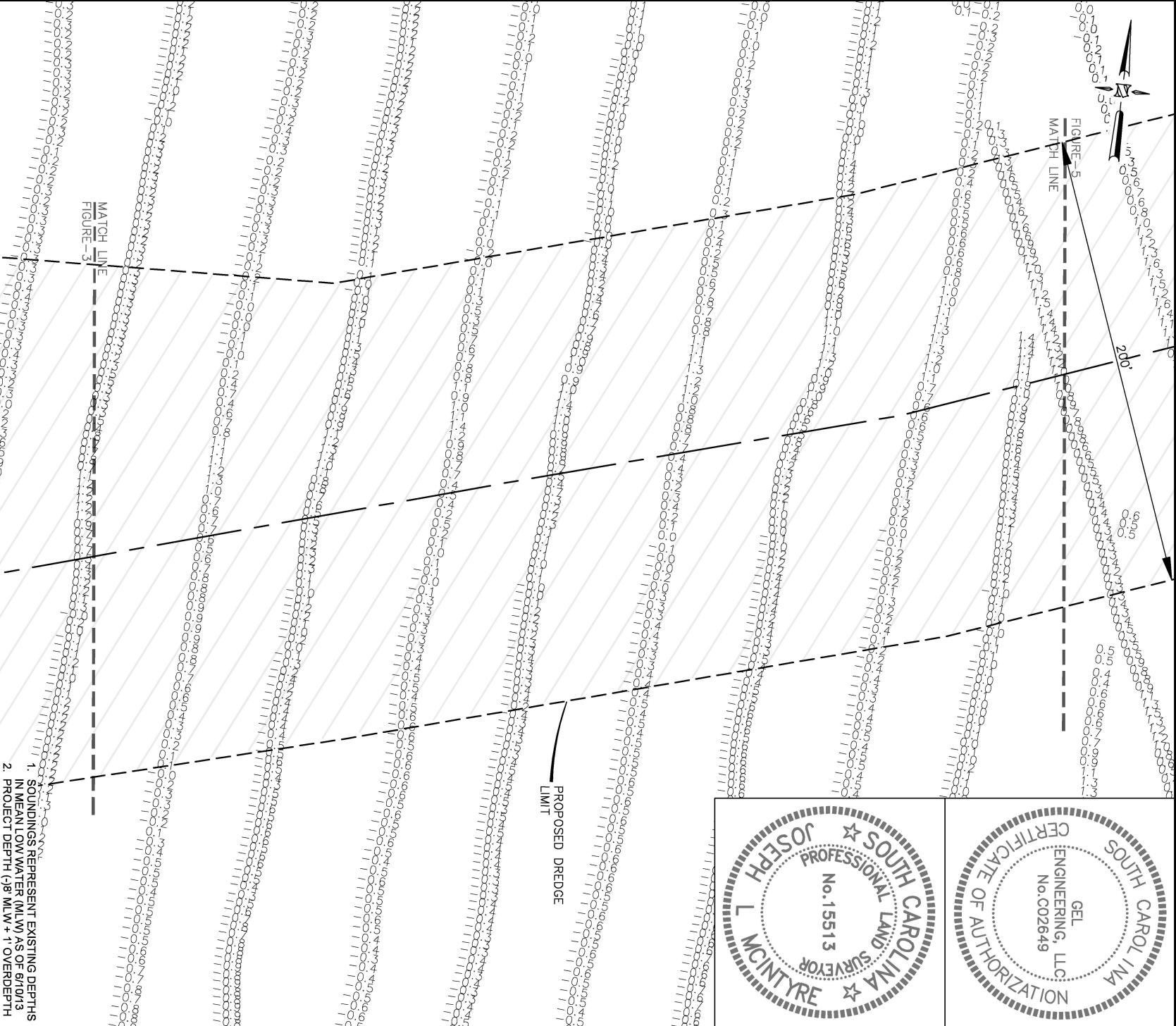
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 4 OF 14 DATE:

SHEET: 4 OF 14

DATE: 01/26/2021

a Member of THE GEL GROUP, INC.



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS	FIGURE 5 DETAILED DREDGE AREA PLAN VIEW	PROPOSED: DREDGING & DISPOSAL
ADJACENT PROPERTY OWNERS COOPER RIVER PARTNERS UNITED STATES OF AMERICA	APPROXIMATE SCALE: 1"= 60' 0 30 60 120 BERKELEY COUNTY BUSHY PARK BOAT LANDING GOOSE CREEK, SOUTH CAROLINA	AT: BUSHY PARK BOAT LANDING
REFERENCE: MLW		IN: COOPER RIVER
		COUNTY OF: BERKELEY SOUTH CAROLINA
		SHEET: 5 OF 14
		DATE: 01/26/2021

berk00720

PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 6
DETAILED DREDGE AREA
PLAN VIEW

APPROXIMATE SCALE: 1"= 60'

0 30 60 120

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

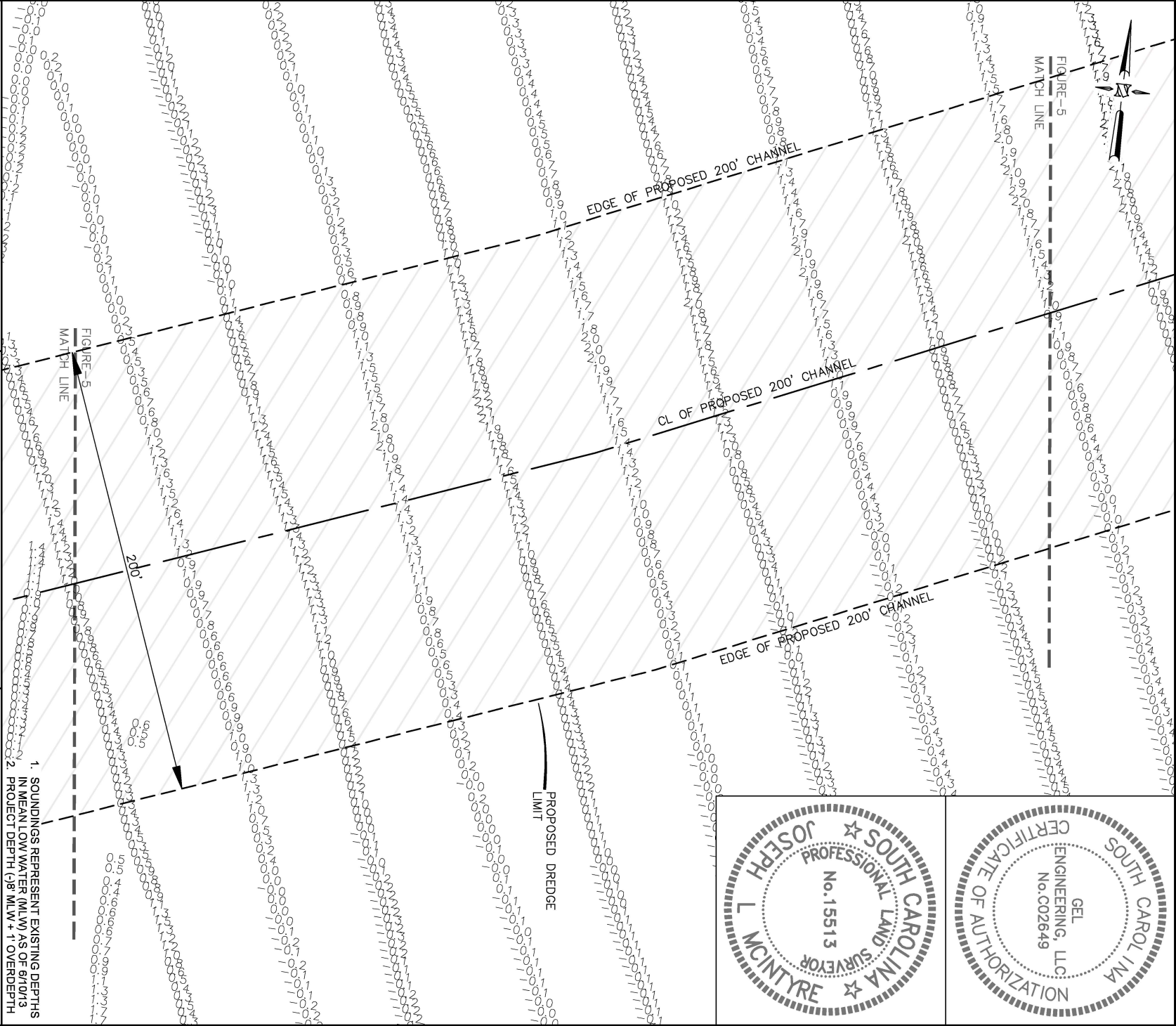
PROPOSED: DREDGING & DISPOSAL

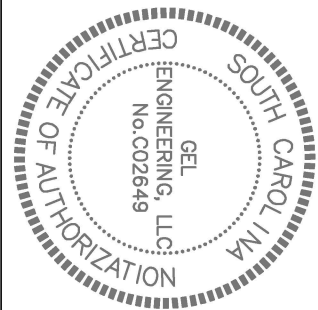
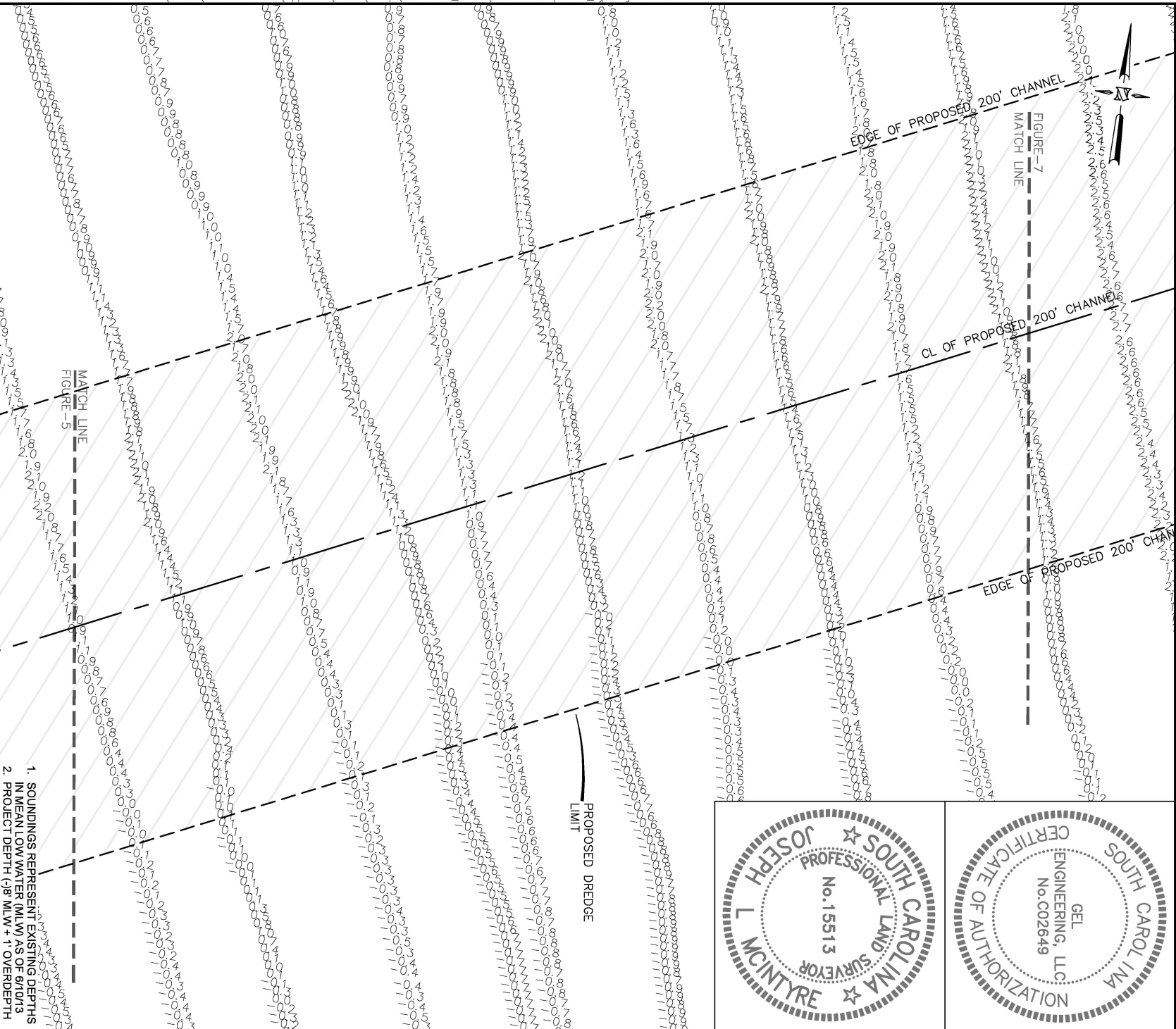
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 6 OF 14 DATE: 01/26/2021





PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 7
DETAILED DREDGE AREA
PLAN VIEW

APPROXIMATE SCALE: 1"= 60'

0 30 60 120

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

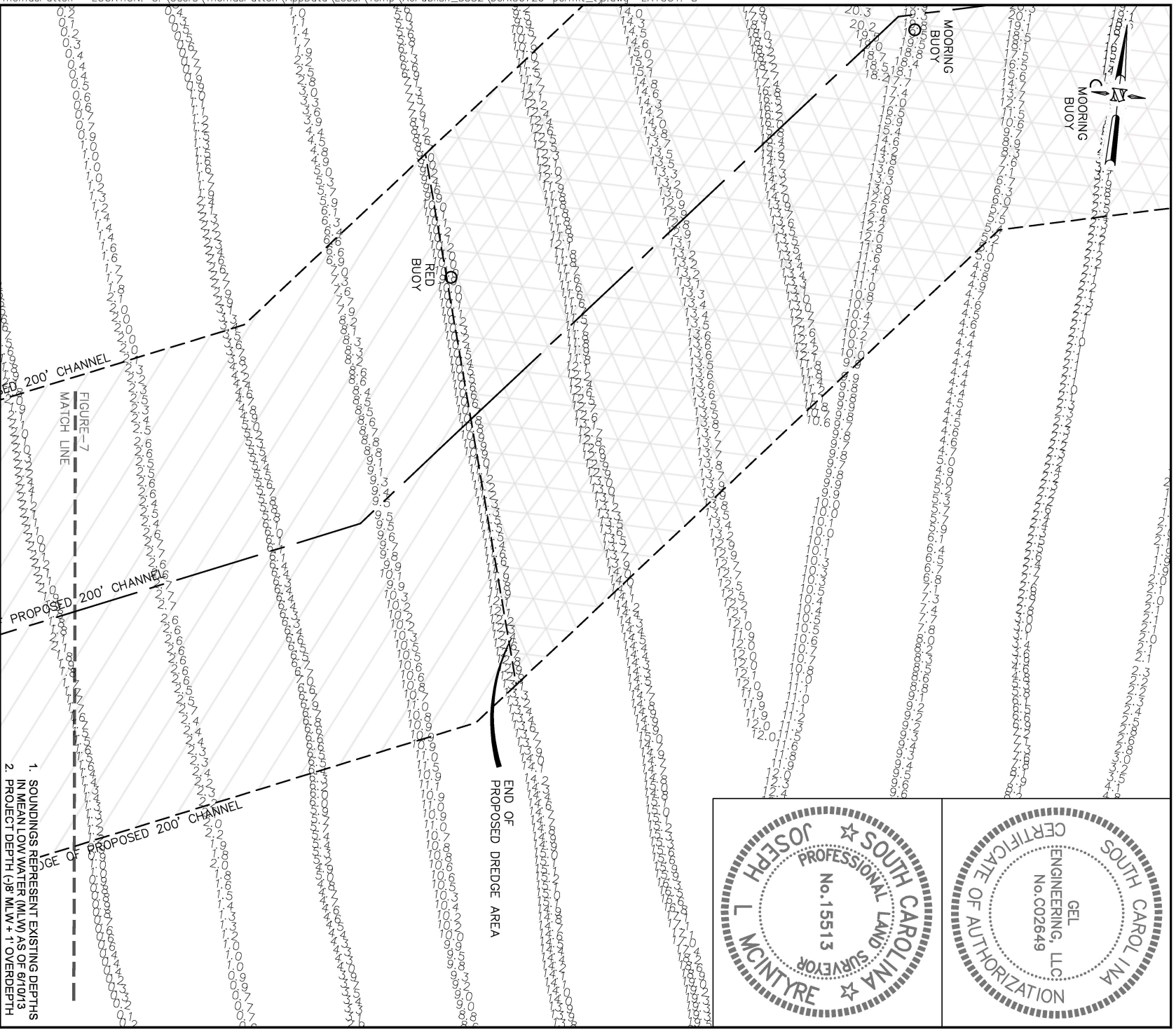
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 7 OF 14 DATE: 01/26/2021

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



A circular professional engineer seal for the State of South Carolina. The outer ring contains the text "SOUTH CAROLINA" at the top and "CERTIFICATE OF AUTHORIZATION" at the bottom. Inside this ring, the text "GEL ENGINEERING, LLC" and "No. C02649" are displayed in the center.

A circular professional seal for Joseph L. McIntyre, a Professional Land Surveyor in the State of South Carolina. The seal features the text "JOSEPH L. MCINTYRE" around the top inner edge and "SOUTH CAROLINA SURVEYOR" around the bottom inner edge, separated by two stars. In the center, it reads "PROFESSIONAL LAND" and "No. 15513". The seal is surrounded by a decorative border of small dots.

**PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS**

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 8
DETAILED DREDGE AREA
PLAN VIEW

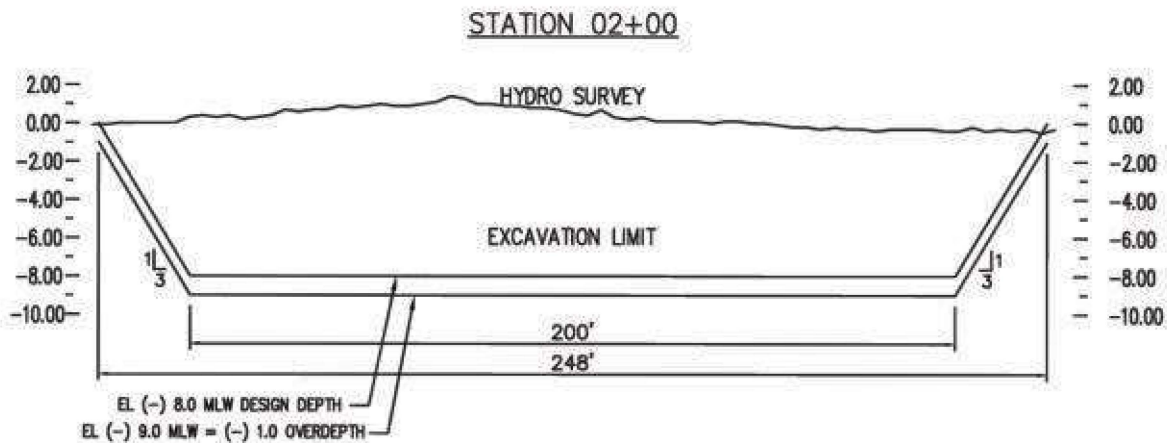
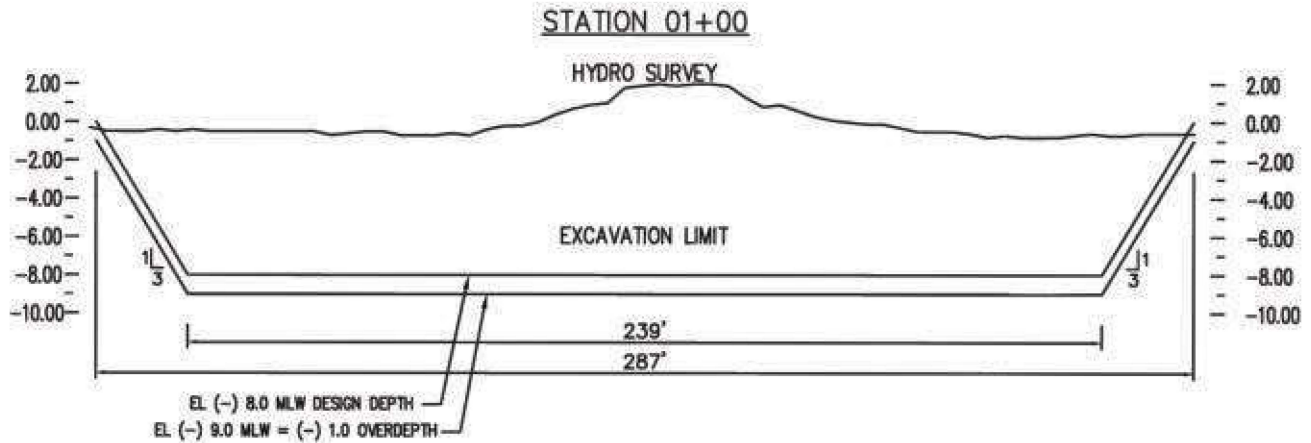
**PROPOSED: DREDGING & DISPOSAL**

AT: BUSHY PARK BOAT LANDING

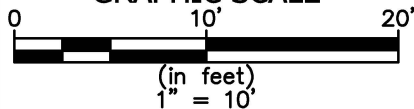
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

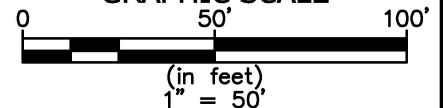
SHEET: 8 OF 14 DATE: 01/26/2021



**VERTICAL
GRAPHIC SCALE**



**HORIZONTAL
GRAPHIC SCALE**



PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 9
DREDGE AREA
CROSS SECTIONS

SCALE AS SHOWN

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

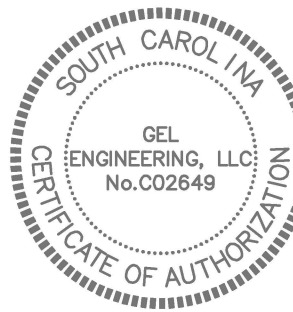
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

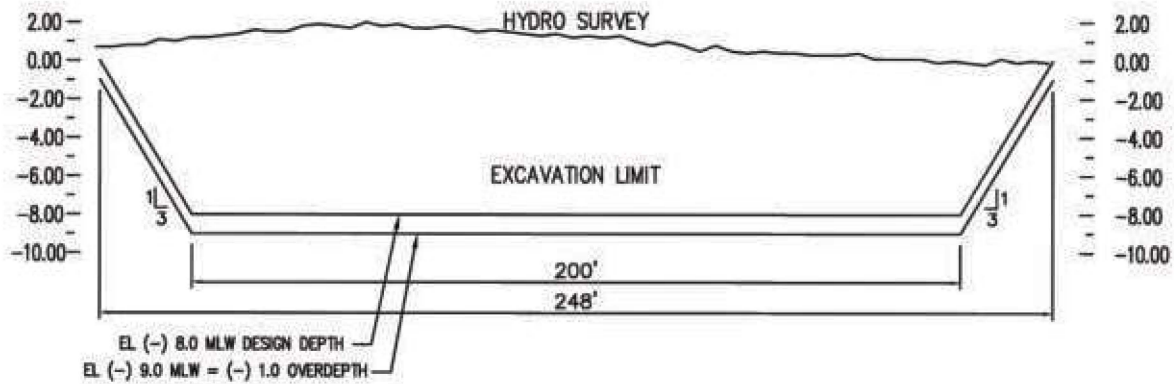
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 9 OF 14

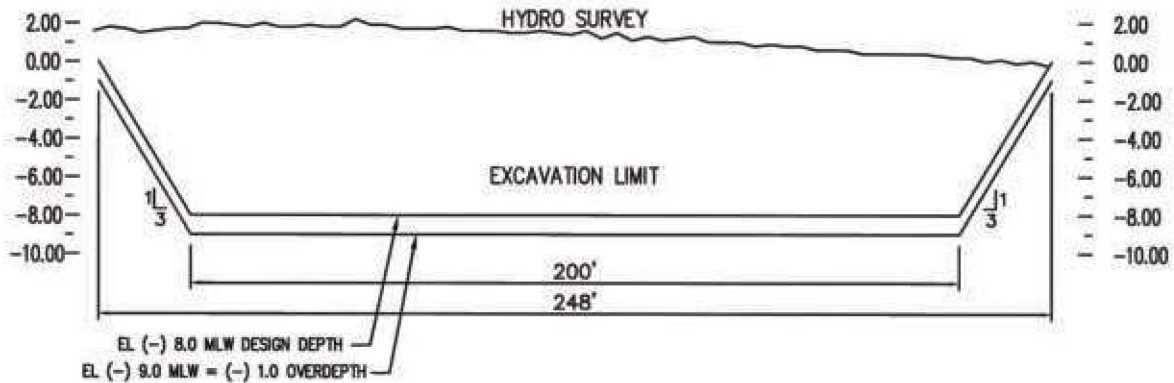
DATE: 01/26/2021



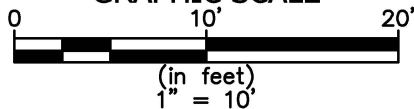
STATION 03+00



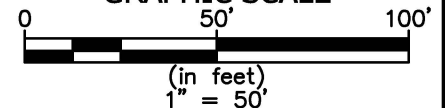
STATION 04+00



VERTICAL GRAPHIC SCALE



HORIZONTAL GRAPHIC SCALE



PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 10 DREDGE AREA CROSS SECTIONS

SCALE AS SHOWN

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

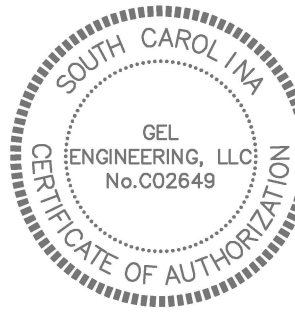
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 10 OF 14

DATE: 01/26/2021



WETLAND AREA Z-2
1.73 ACRES

WETLAND AREA Z
10.204 ACRES

DMPF PROJECT
AREA

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PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 11
DMPF SITE MAP

APPROXIMATE SCALE: 1"= 300'
0' 150' 300' 600'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

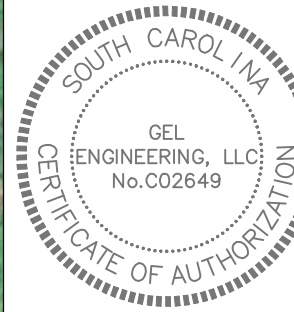
AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 11 OF 14

DATE: 01/26/2021



BUSHY PARK RD

WETLAND AREA Z-2
1.40 ACRES TO BE
FILLED

DIKE

DMPF PROJECT
BOUNDARY

PROPOSED
DMPF

GATED DIRT ENTRANCE ROAD

MARSHES OF THE COOPER RIVER

WETLAND AREA Z
6.12 ACRES TO BE
FILLED

PROPOSED OUTFALL
STRUCTURE

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PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 12
PROPOSED DMPF

APPROXIMATE SCALE: 1"= 200'
0' 100' 200' 400'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 12 OF 14

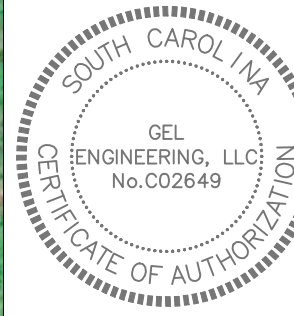
DATE: 01/26/2021

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berk00720

GEL Engineering LLC

a Member of THE GEL GROUP, INC.



BUSHY PARK RD

WETLAND AREA Z-2
1.40 ACRES TO BE
FILLED

DIKE

DMPF PROJECT
BOUNDARY

PROPOSED
DMPF

GATED DIRT ENTRANCE ROAD

MARSHES OF THE COOPER RIVER

WETLAND AREA Z
6.12 ACRES TO BE
FILLED

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PURPOSE: MAINTAIN SAFE OPERATING DEPTH
FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 13
PROPOSED DMPF

APPROXIMATE SCALE: 1"= 200'

BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

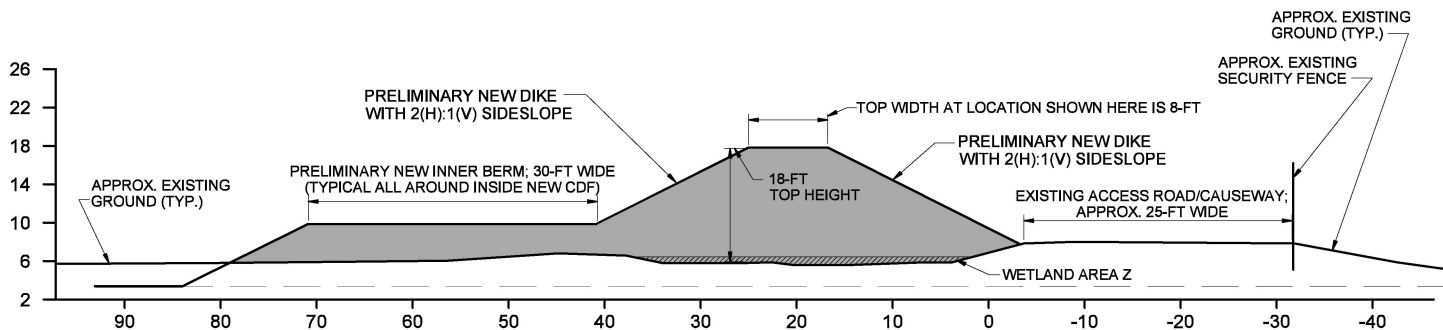
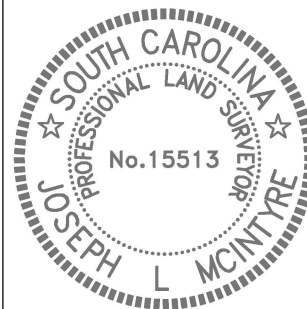
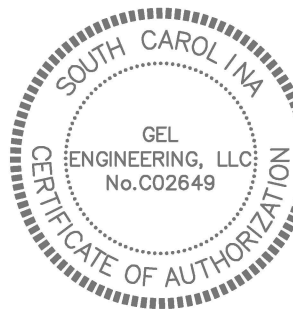
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 13 OF 14

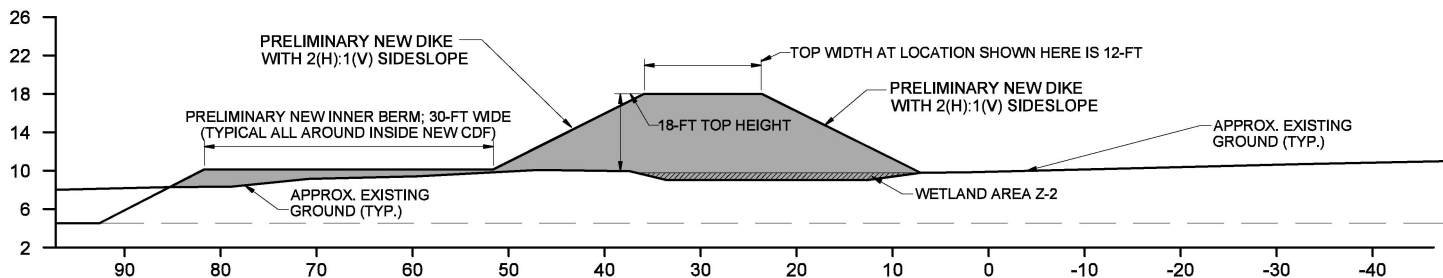
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SECTION D-D'



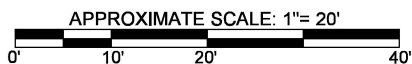
SECTION E-E'

PURPOSE: MAINTAIN SAFE OPERATING DEPTH FOR VESSELS

ADJACENT PROPERTY OWNERS
COOPER RIVER PARTNERS
UNITED STATES OF AMERICA

REFERENCE: MLW

FIGURE 14
PROPOSED DMPF



BERKELEY COUNTY
BUSHY PARK BOAT LANDING
GOOSE CREEK, SOUTH CAROLINA

PROPOSED: DREDGING & DISPOSAL

AT: BUSHY PARK BOAT LANDING

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 14 OF 14

DATE: 02/16/2021