

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403
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-2018-00865

December 17, 2018

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), Section 103 of the Marine Protection, Research, and Sanctuaries Act (33 U.S.C. 1413), 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. WALTER LAGARENNE
SOUTH CAROLINA PORTS AUTHORITY
POST OFFICE BOX 22287
CHARLESTON, SOUTH CAROLINA 29413

for a permit to dredge, install structures, and place fill material in the

WANDO RIVER

at the existing Wando Welch Terminal (WWT) at 400 Longpoint Road in Mount Pleasant, Charleston County, South Carolina (Latitude: 32.83269 °N, Longitude: -79.89218 °W), Charleston and Fort Moultrie, South Carolina USGS Quadrangle maps.

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 and SCDHEC 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 extending the existing pile supported wharf, conducting new work and maintenance dredging, and installing additional shoreline protection in order to establish a container barge operation (an alternate method of transporting containerized cargo between WWT and local rail yards). In detail, the applicant has proposed to construct a 700-foot long by 208-foot wide extension to the existing wharf, to dredge approximately 1,110,000 cubic yards of

new work material to construct an access channel and to extend the existing berth, and to place approximately 25,000 cubic yards of rip-rap and armor stone to protect the proposed pile supported wharf and the adjacent shoreline from future erosion.

The proposed access channel would be dredged to the same depth as the adjacent Charleston Harbor Post-45 navigation channel (-52 feet Mean Lower Low Water (MLLW) +2 feet of advanced maintenance + 2 feet of allowable overdepth), and the proposed berth would be dredged to the same depth as the existing berth (-52 feet MLLW +2 feet of advanced maintenance + 2 feet of extreme low tidal variation + 2 feet of allowable overdepth). The proposed dredging would be conducted using either a hydraulic cutterhead or a mechanical dredge, and dredged material would be hydraulically pumped to an existing Dredged Material Containment Area (DMCA) on Clouter Island, Daniel Island, and/or Drum Island, or placed in scows and transported to the Charleston Ocean Dredged Material Disposal Site (ODMDS) for the purpose of ocean disposal.

The ODMDS is located approximately 9 nautical miles southeast of Charleston and is identified as "Dump Site (dredged material)" on NOAA Nautical Chart 11521, Charleston Harbor and Approaches. The ODMDS was designated by the U.S. Environmental Protection Agency (EPA) for the long-term placement of dredged material associated with the Charleston Harbor Federal navigation channel and other dredging projects near Charleston, South Carolina. Over the past 20 years, approximately 22 million cubic yards of new work material and an additional 1 million cubic yards per year of maintenance material has been placed within the ODMDS (a total of more than 42 million cubic yards). Since the proposed access channel and berth are located adjacent to the Federal navigation channel, the SCPA believes there may be opportunities for contractors to use the same dredging equipment to conduct work associated with both projects.

As shown on drawing sheet 2 of 7, the SCPA already has one barge berth and is authorized to construct two more barge berths adjacent to the existing wharf at WWT. The proposed project would increase the overall length of the existing wharf from 3,800 linear feet to 4,500 linear feet in order to accommodate a dedicated container barge operation (two barge berths) and three Neo-Panamax container ships at the same time. The proposed access channel and berth would be deep enough and the proposed wharf would be strong enough to handle Neo-Panamax container ships (similar to the existing pile supported wharf). From an operational standpoint, this provides the flexibility necessary to load and unload barges (and container ships) at multiple locations along the length of the wharf.

According to the SCPA, approximately 210,000 containers were transported between WWT and local rail yards in 2016 as part of their Rapid Rail program. Over the next 30 years this volume is projected to grow to almost 350,000 containers per year. The proposed project would enable some of these containers to be transported between WWT and the Hugh K. Leatherman, Sr. Terminal (HLT) by water, and between HLT and the new Navy Base Intermodal Container Transfer Facility using a private drayage road. The SCPA estimates the proposed barge operation would be able to transport almost 200,000 containers each year, which would reduce the total number of truck trips (on public roadways) required to transport containerized cargo between WWT and local rail yards.

As shown on drawing sheets 4 and 6 of 7, the proposed container barge operation is located at the upstream end of the existing wharf at WWT. Although sediment testing has been conducted for the existing berth and the adjacent Federal navigation channel, additional testing will be required to help determine whether dredged material associated with the proposed project is suitable for placement in an upland DMCA and/or the Charleston ODMDS. In addition, the footprint of the proposed project would impact 12.4 acres of open water, 9.75 acres of shallow sub-

tidal habitat, and 0.5 acres of mud flats. The SCPA has not proposed compensatory mitigation to offset potential impacts to aquatic resources on the project site. However, the proposed project is expected to reduce truck traffic on local roadways, the potential for roadway accidents, and air quality emissions associated with transporting containerized cargo between WWT and local rail yards. According to the applicant, the purpose of the proposed project is to provide the berthing, mooring, and cargo handling infrastructure that is needed to simultaneously handle three Neo-Panamax container ships and two container barges at WWT. The proposed project would make use of the area's new Marine Highway Designation in order to remove containerized cargo and trucks from local roads and interstate highways.

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). 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 modification would result in impacts to 22.65 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 (i.e., the transportation of dredged material to a designated ODMDS) 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 District Engineer has consulted the most recently available information and has determined that the Federally endangered shortnose sturgeon (*Acipenser brevirostrum*), Atlantic sturgeon (*Acipenser oxyrinchus*), and the West Indian manatee (*Trichechus manatus*) may be present in the Wando River near the project site. In addition, the scows that would be used to transport dredged material to the Charleston ODMDS would pass through open waters used by the Federally endangered North Atlantic right whale (*Eubalaena glacialis*), designated critical habitat for the Atlantic sturgeon, and designated critical habitat for the North Atlantic right whale. The District Engineer has made no determination of effect on any Federally endangered, threatened, or proposed species because additional information is required to evaluate the potential impacts of the proposed project (e.g., pile driving noise). This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any Federally listed or proposed to be listed endangered or threatened species and/or designated or proposed critical habitat may be present in the area which would be affected by the activity.

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 historic properties may be present; moreover, if historic properties are present they may be affected by the undertaking. This public notice serves to notify the State Historic Preservation Office that the Corps plans to initiate Section 106 consultation on these historic properties. Individuals or groups who would like to be consulting parties for the purposes of the NHPA should make such a request to the Corps in writing within 30 days of this public notice. 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 other interested parties to provide any information they may have with regard to historic properties.

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.

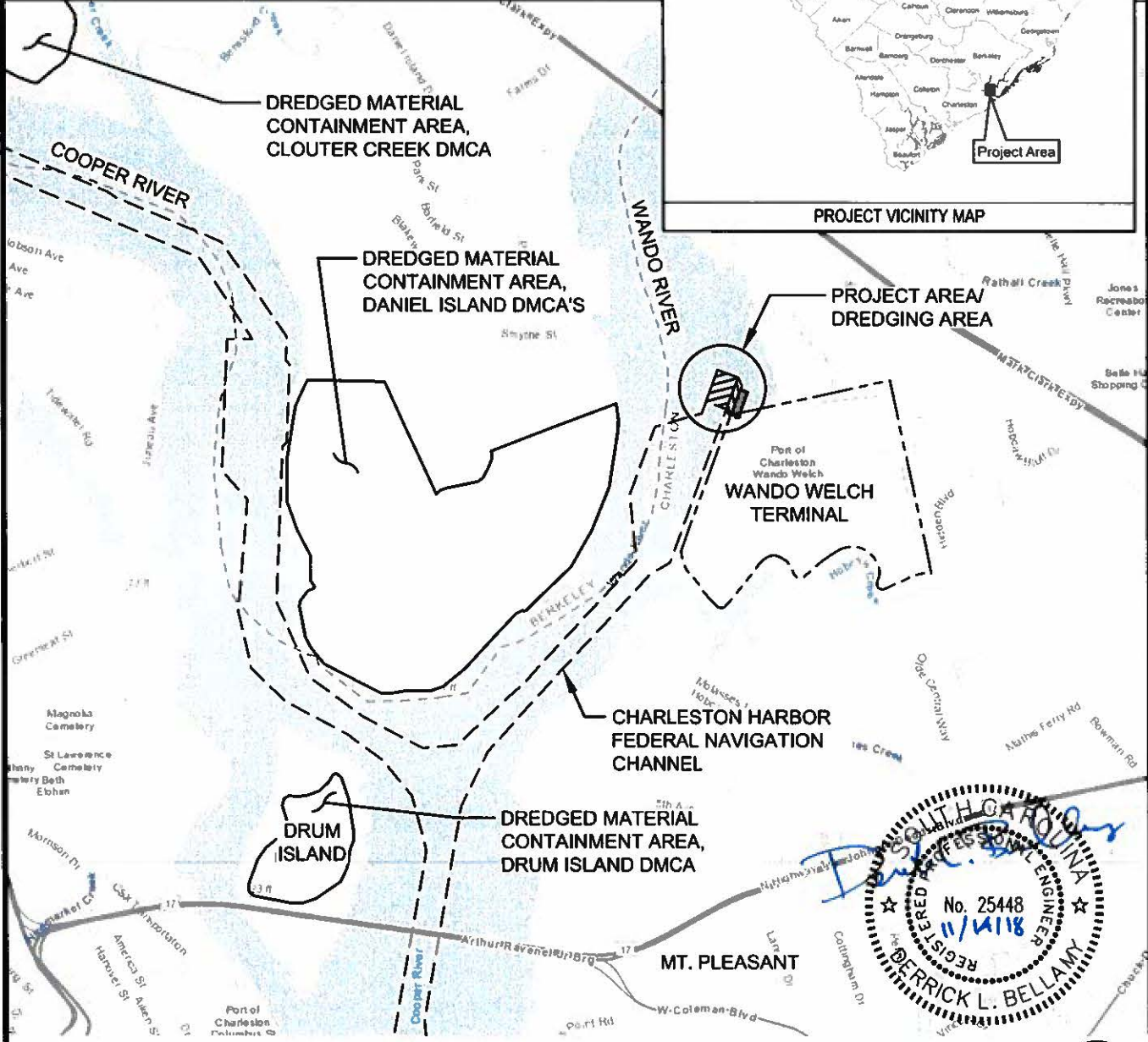
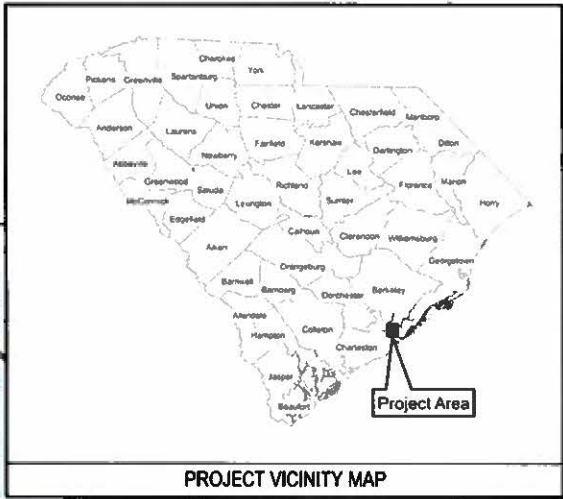
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 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 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 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, South Carolina 29403**

If there are any questions concerning this public notice, please contact Nat Ball, Project Manager, at (843) 329-8047 or toll free at 1-866-329-8187.



- NOTES:**
1. DMCA - DREDGED MATERIAL CONTAINMENT AREA
 2. THE CHARLESTON OCEAN DREDGED MATERIAL DISPOSAL SITE MAY ALSO BE UTILIZED FOR DREDGED DISPOSAL

REFERENCE:
 • United States Geological Survey (USGS) topographic maps.
 Copyright © 2011 National Geographic Society, Inc.

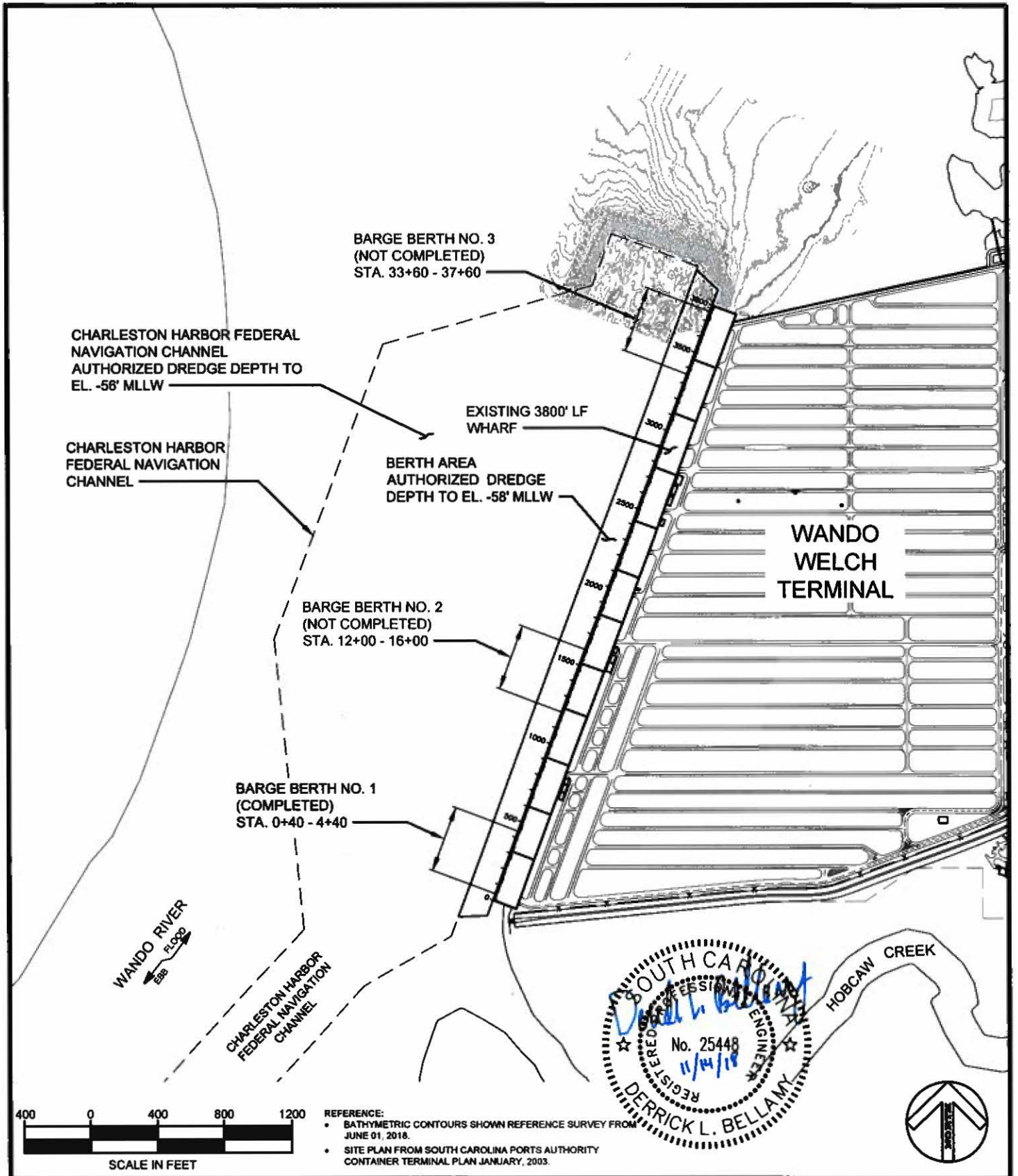
VERTICAL DATUM: MLLW (FEET)
COORDINATE SYSTEM: S.C. STATE PLANE (NAD83 in US FEET)

P/N # -

PROJECT LOCATION & DREDGED MATERIAL PLACEMENT AREAS MAP
SOUTH CAROLINA PORTS AUTHORITY
 176 CONCORD STREET
 P.O. BOX 22287
 CHARLESTON, S.C. 29413-2287

PROPOSED:
 WANDO WELCH TERMINAL WHARF AND CHANNEL IMPROVEMENTS

IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 1 OF 7 **DATE:** NOVEMBER 09, 2018



- REFERENCE:
- BATHYMETRIC CONTOURS SHOWN REFERENCE SURVEY FROM JUNE 01, 2018.
 - SITE PLAN FROM SOUTH CAROLINA PORTS AUTHORITY CONTAINER TERMINAL PLAN JANUARY, 2003.

VERTICAL DATUM: MLLW (FEET)

COORDINATE SYSTEM: S.C. STATE PLANE (NAD83 in US FEET)

P/N # -

**EXISTING CONDITIONS
PLAN VIEW**

SOUTH CAROLINA PORTS AUTHORITY
176 CONCORD STREET
P.O. BOX 22287
CHARLESTON, S.C. 29413-2287

PROPOSED: WANDO WELCH TERMINAL
WHARF AND CHANNEL IMPROVEMENTS

IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 2 OF 7 DATE: NOVEMBER 09, 2018

ADJACENT PROPERTY OWNERS

- ① TMS 514-00-00-050 REDFISH LAKE HOLDINGS, LLC
- ② TMS 537-00-00-042 SOUTH CAROLINA PORTS AUTHORITY

SEE SHEET 4

PROPOSED 700' WHARF EXTENSION

PROPOSED BERTH AREA DREDGING TO -58' MLLW (SEE NOTE 2)

PROPOSED ACCESS AREA DREDGING TO EL. -56' MLLW (SEE NOTE 1)

CHARLESTON HARBOR FEDERAL NAVIGATION CHANNEL AUTHORIZED DREDGE DEPTH TO EL. -56' MLLW

CHARLESTON HARBOR FEDERAL NAVIGATION CHANNEL

EXISTING 3800' LF WHARF

BERTH AREA AUTHORIZED DREDGE DEPTH TO EL. -58' MLLW

WANDO WELCH TERMINAL

NOTES:

1. ACCESS AREA DREDGE DEPTH ENTAILS DREDGING TO EL. -52 FEET MLLW, PLUS 2 FEET ADVANCED MAINTENANCE DREDGING, PLUS 2 FEET ALLOWABLE OVERDREDGE.
2. BERTH AREA DREDGE DEPTH ENTAILS DREDGING TO EL. -52 FEET MLLW, PLUS 2 FEET ADVANCED MAINTENANCE DREDGING, PLUS 2 FEET EXTREME LOW TIDAL VARIATION, PLUS 2 FEET ALLOWABLE OVERDREDGE.

WANDO RIVER
Ebb
F.L. 992

CHARLESTON HARBOR FEDERAL NAVIGATION CHANNEL



HOBCAW CREEK
①



- REFERENCE:**
- BATHYMETRIC CONTOURS SHOWN REFERENCE SURVEY FROM JUNE 01, 2018.
 - SITE PLAN FROM SOUTH CAROLINA PORTS AUTHORITY CONTAINER TERMINAL PLAN JANUARY, 2003.

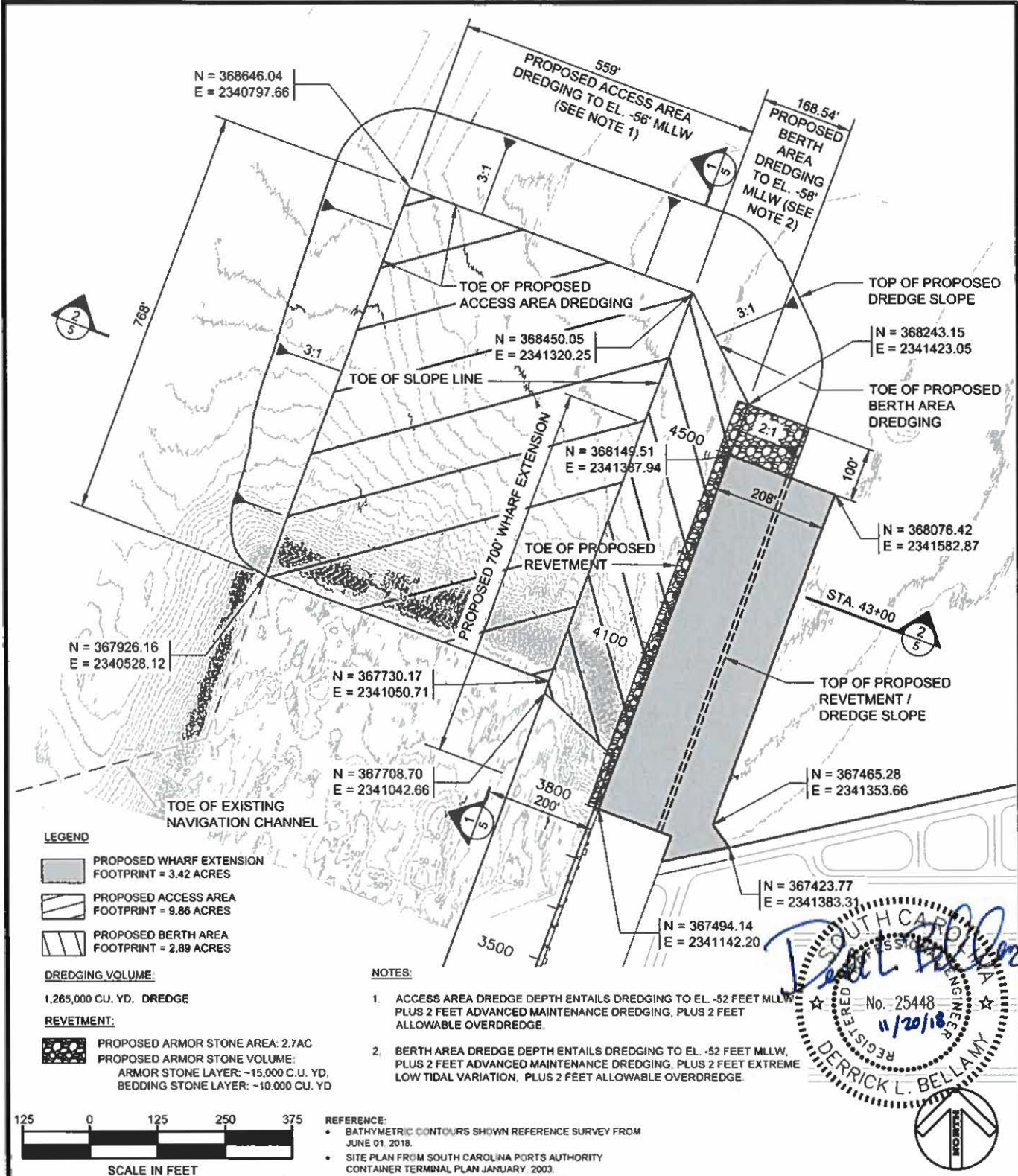
VERTICAL DATUM: MLLW (FEET)

COORDINATE SYSTEM: S.C. STATE PLANE (NAD83 in US FEET)

P/N # -

PROPOSED WHARF EXTENSION AND DREDGING PLAN VIEW
SOUTH CAROLINA PORTS AUTHORITY
 176 CONCORD STREET
 P.O. BOX 22287
 CHARLESTON, S.C. 29413-2287

PROPOSED: WANDO WELCH TERMINAL WHARF AND CHANNEL IMPROVEMENTS
IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 3 OF 7 **DATE:** NOVEMBER 09, 2018



LEGEND

- PROPOSED WHARF EXTENSION
FOOTPRINT = 3.42 ACRES
- PROPOSED ACCESS AREA
FOOTPRINT = 9.86 ACRES
- PROPOSED BERTH AREA
FOOTPRINT = 2.89 ACRES

DREDGING VOLUME:

1,265,000 CU. YD. DREDGE

REVETMENT:

- PROPOSED ARMOR STONE AREA: 2.7AC
- PROPOSED ARMOR STONE VOLUME:
ARMOR STONE LAYER: ~15,000 C.U. YD.
BEDDING STONE LAYER: ~10,000 C.U. YD.

NOTES:

1. ACCESS AREA DREDGE DEPTH ENTAILS DREDGING TO EL. -52 FEET MLLW, PLUS 2 FEET ADVANCED MAINTENANCE DREDGING, PLUS 2 FEET ALLOWABLE OVERDREDGE.
2. BERTH AREA DREDGE DEPTH ENTAILS DREDGING TO EL. -52 FEET MLLW, PLUS 2 FEET ADVANCED MAINTENANCE DREDGING, PLUS 2 FEET EXTREME LOW TIDAL VARIATION, PLUS 2 FEET ALLOWABLE OVERDREDGE.

REFERENCE:

- BATHYMETRIC CONTOURS SHOWN REFERENCE SURVEY FROM JUNE 01, 2018.
- SITE PLAN FROM SOUTH CAROLINA PORTS AUTHORITY CONTAINER TERMINAL PLAN JANUARY, 2003.



VERTICAL DATUM: MLLW (FEET)

COORDINATE SYSTEM: S.C. STATE PLANE (NAD83 in US FEET)

P/N # -

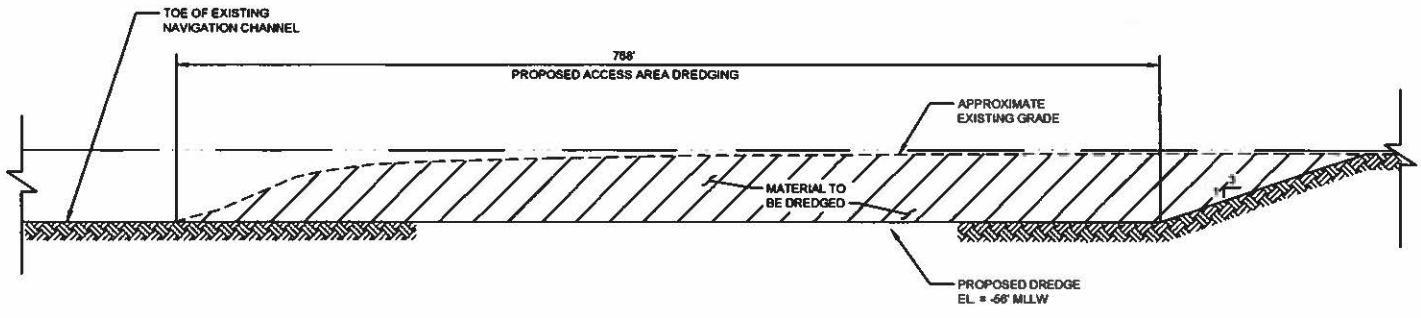
**PROPOSED WHARF
EXTENSION AND DREDGING
DETAILED PLAN VIEW**

SOUTH CAROLINA PORTS AUTHORITY

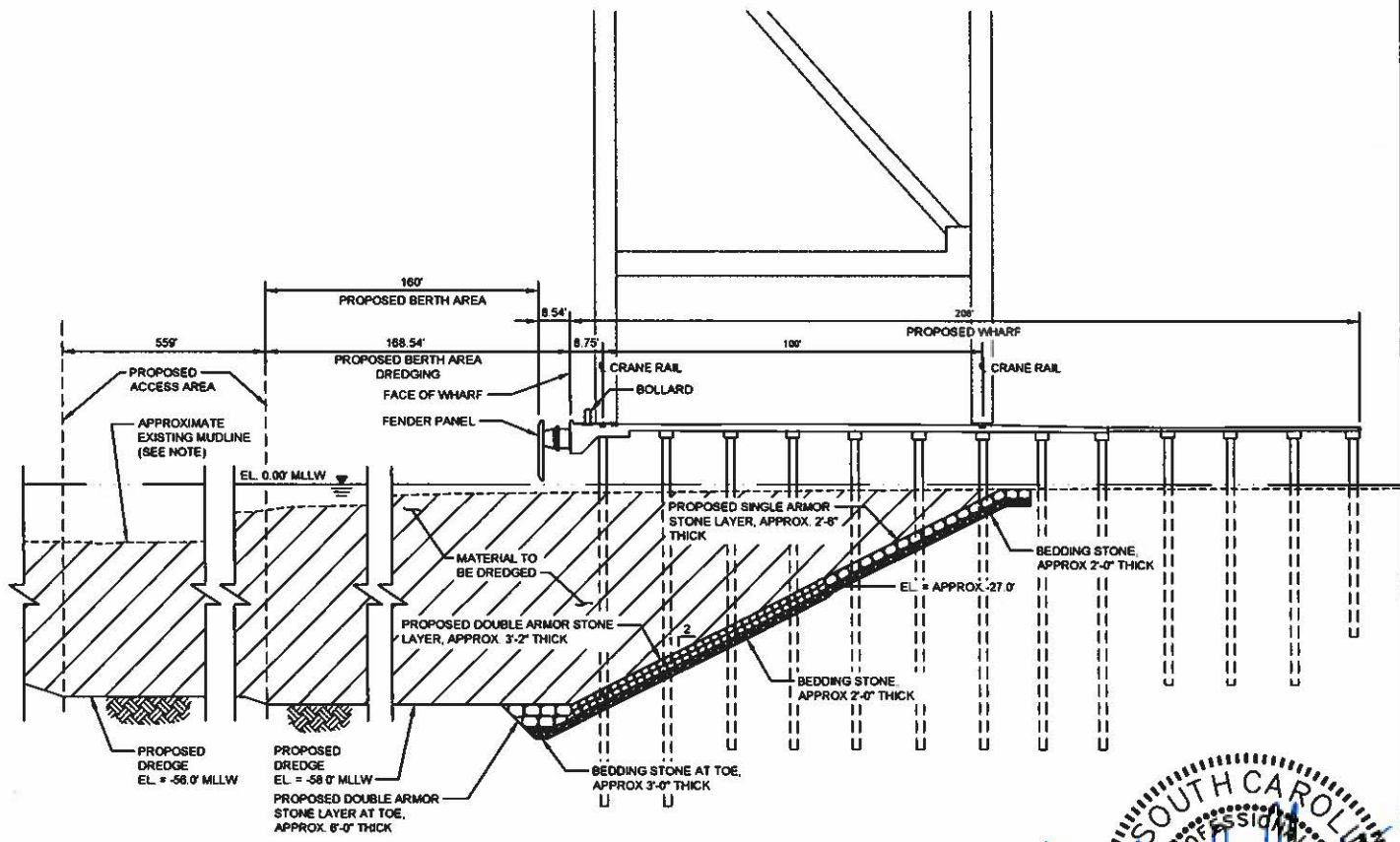
176 CONCORD STREET
P.O. BOX 22287
CHARLESTON, S.C. 29413-2287

PROPOSED: WANDO WELCH TERMINAL
WHARF AND CHANNEL IMPROVEMENTS

IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 4 OF 7 **DATE:** NOVEMBER 09, 2018

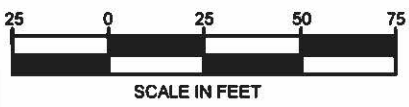


1
5 ACCESS AREA DREDGE PROFILE

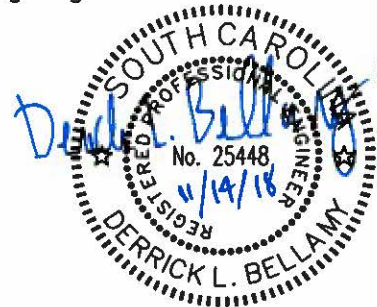


NOTE:
1 PROFILE AT STA. 43+00 SHOWN

2
5 TYPICAL WHARF SECTION
STA. 38+00 TO 45+00



- LEGEND
- PROPOSED DREDGE AREA
 - PROPOSED ARMOR STONE LAYER
 - PROPOSED BEDDING STONE LAYER

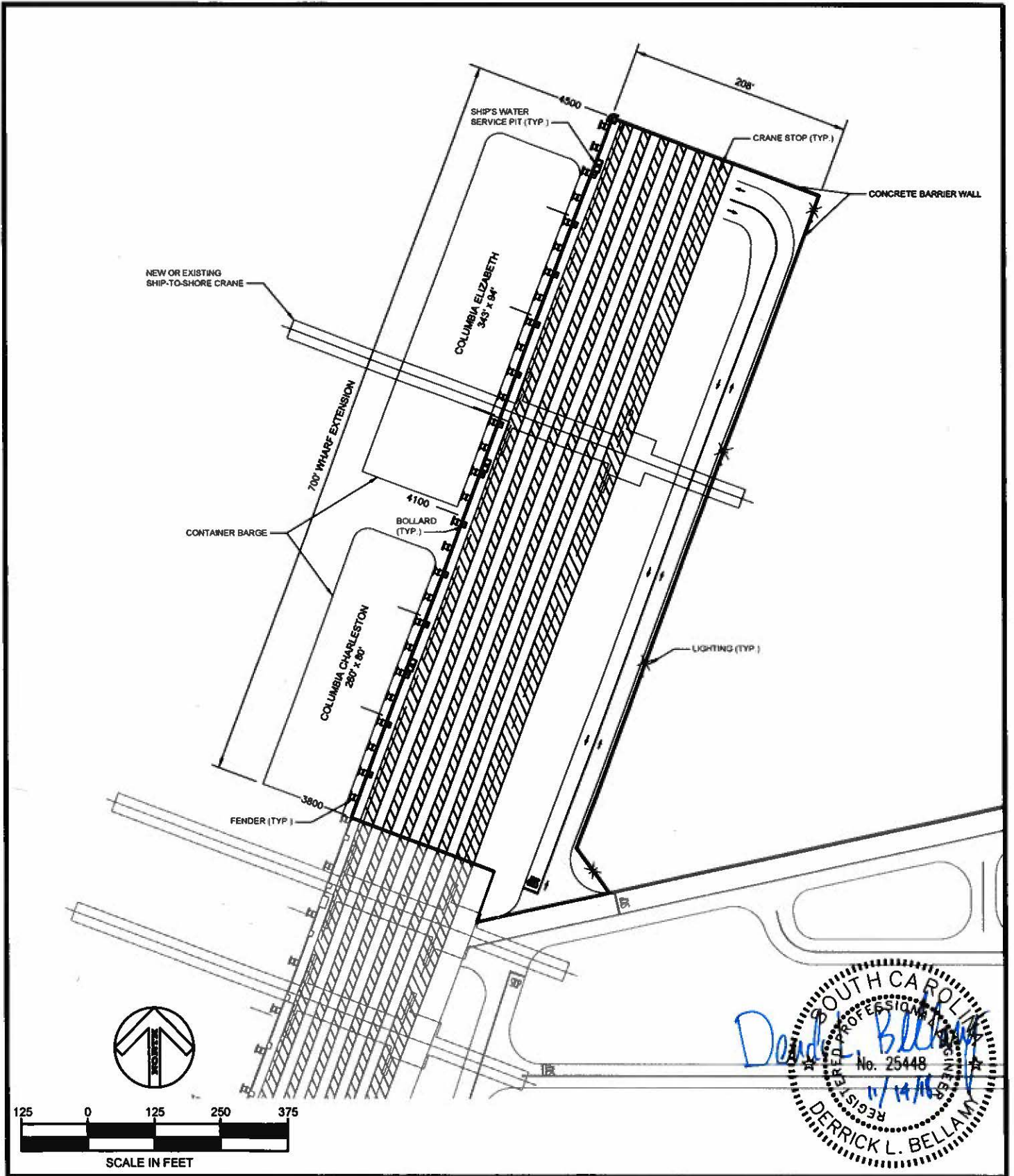


VERTICAL DATUM: MLLW (FEET)
COORDINATE SYSTEM: S.C. STATE PLANE
(NAD83 in US FEET)

**PROPOSED CONDITIONS
PROFILE VIEW**
SOUTH CAROLINA PORTS AUTHORITY
176 CONCORD STREET
P.O. BOX 22287
CHARLESTON, S.C. 29413-2287

PROPOSED: WANDO WELCH TERMINAL
WHARF AND CHANNEL IMPROVEMENTS
IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 5 OF 7 **DATE:** NOVEMBER 09, 2018

P/N # -

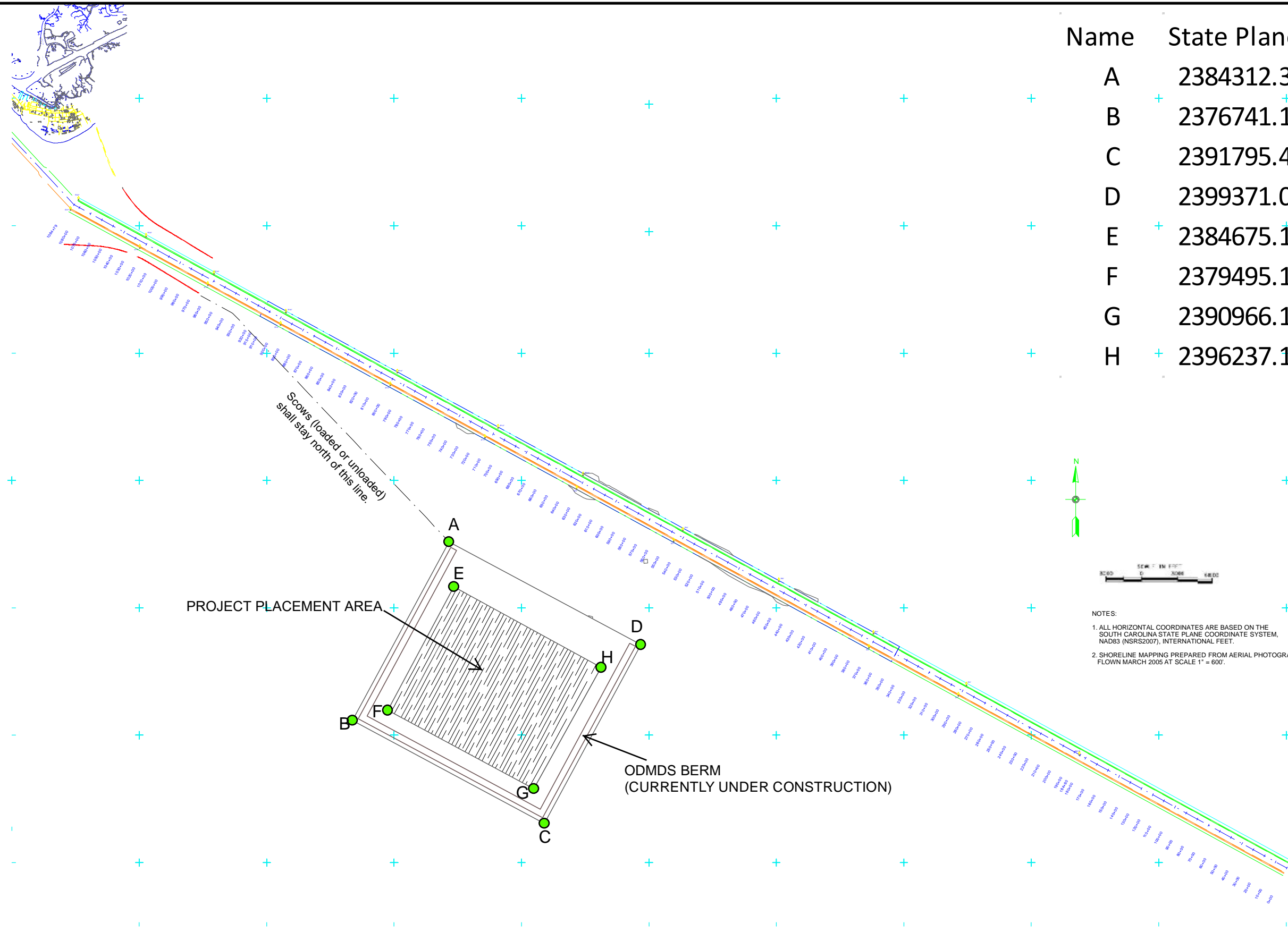


VERTICAL DATUM: MLLW (FEET)
 COORDINATE SYSTEM: S.C. STATE PLANE
 (NAD83 in US FEET)

P/N # -

**PROPOSED DETAILED
 WHARF PLAN**
SOUTH CAROLINA PORTS AUTHORITY
 176 CONCORD STREET
 P.O. BOX 22287
 CHARLESTON, S.C. 29413-2287

PROPOSED: WANDO WELCH TERMINAL
 WHARF AND CHANNEL IMPROVEMENTS
IN: MOUNT PLEASANT
AT: CHARLESTON COUNTY, SOUTH CAROLINA
APPLICATION BY: SC PORTS AUTHORITY
SHEET: 6 OF 7 **DATE:** NOVEMBER 09, 2018



Name	State Plane X	State Plane Y
A	2384312.304	305185.821
B	2376741.168	291170.826
C	2391795.475	283067.786
D	2399371.043	297104.717
E	2384675.135	301659.432
F	2379495.145	291963.45
G	2390966.182	285797.391
H	2396237.184	295312.397

NOTES:
 1. ALL HORIZONTAL COORDINATES ARE BASED ON THE SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD83 (NSRS2007), INTERNATIONAL FEET.
 2. SHORELINE MAPPING PREPARED FROM AERIAL PHOTOGRAPHY FLOWN MARCH 2005 AT SCALE 1" = 600'.

VERTICAL DATUM: MLLW (FEET)
 0 FEET (MLLW) = -3.18 FEET (NAVD88)
 COORDINATE SYSTEM: S.C. STATE PLANE (NAD83 in US FEET)

OCEAN DISPOSAL SITE LOCATION - CHARLESTON ODMDS
SOUTH CAROLINA PORTS AUTHORITY
 176 CONCORD STREET
 P.O. BOX 22287
 CHARLESTON, S.C. 29413-2187

PROPOSED: WANDO WELCH TERMINAL WHARF TOE WALL AND BERTH DEEPENING
 IN: MOUNT PLEASANT
 AT: CHARLESTON COUNTY, SOUTH CAROLINA
 APPLICATION BY: SC PORTS AUTHORITY
 Sheet 7 of 7 Date: November 9, 2018